

**PRE-DEVELOPMENT ENVIRONMENTAL
INVESTIGATION AND GEOTECHNICAL STUDY
REPORT**

**151 MT. HOPE AVENUE
ROCHESTER, NEW YORK**

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TABLE OF CONTENTS

1.0	INTRODUCTION	1
1.1	Site Background and History	1
1.2	Summary of Previous Environmental Reports	2
1.3	Future Redevelopment Options	6
1.4	Objective of Study	6
1.5	Scope of Work	6
2.0	PRE-DEVELOPMENT ENVIRONMENTAL AND GEOTECHNICAL SCOPE OF WORK	7
2.1	Utility Identification and Capacity Assessment	7
2.2	Document Review	7
2.3	Subsurface Soil/Fill Evaluation	8
	2.3.1 Test Pits	8
	2.3.2 Rotary-Drilled Test Borings	9
	2.3.3 Analysis of Soil/Fill Samples	10
2.4	Groundwater Evaluation	11
	2.4.1 Monitoring Well Installation	11
	2.4.2 Well Development	11
	2.4.3 Groundwater Sampling and Analysis	12
2.5	Geotechnical Assessment	12
2.6	Study-Derived Wastes	13
3.0	FINDINGS	14
3.1	Subsurface Soil/Fill Environmental Evaluation	14
	3.1.1 Environmental Analytical Laboratory Test Results for Soil/Fill Samples	15
3.2	Groundwater Environmental Evaluation	18
	3.2.1 Environmental Analytical Laboratory Test Results for Groundwater Samples	18
3.3	Geotechnical Assessment	19
4.0	CONCLUSIONS AND RECOMMENDATIONS	21
4.1	Availability of Utilities to the Site	21
4.2	Environmental Considerations	21
4.3	Geotechnical Considerations	23
5.0	ACRONYMS	25

FIGURES

Figure 1	Project Locus Map
Figure 2	Test Location Plan
Figure 3	Test Location Plan with 1892 Sanborn Overlay
Figure 4	Test Location Plan with 1912 Sanborn Overlay
Figure 5	Test Location Plan with 1938 Sanborn Overlay
Figure 6	Test Location Plan with 1950 Sanborn Overlay
Figure 7	Test Location Plan with 1971 Sanborn Overlay
Figure 8	Previous Environmental Work Location Plan
Figure 9	Existing Utility Plan

- Figure 10** Existing Fill Material Thickness Isopach Map
- Figure 11** Isometric View of Existing Fill Material
- Figure 12** Existing Incinerator Waste Layer Thickness Isopach Map
- Figure 13** Isometric View of Existing Incinerator Waste Layer
- Figure 14** Test Locations with Soil/Fill Samples Exceeding NYSDEC Part 375 SCOs for SVOCs and/or Metals
- Figure 15** Potentiometric Groundwater Contour Map for June 4, 2010

TABLES

- Table 1** Analytical Laboratory Testing Program
- Table 2** Summary of Detected VOCs–Soil and Fill Samples
- Table 3** Summary of Detected SVOCs –Soil and Fill Samples
- Table 4** Summary of Metals – Soil and Fill Samples
- Table 5** Groundwater Elevation Data for June 4, 2010
- Table 6** Summary of VOCs– Groundwater Samples
- Table 7** Summary of Detected SVOCs– Groundwater Samples
- Table 8** Summary of Detected Metals – Groundwater Samples

APPENDICES

- Appendix A** City of Rochester New York Developer’s Guide
- Appendix B** Pre-Development Assessment Geotechnical Report
- Appendix C** Test Boring Logs and Well Construction Diagrams
- Appendix D** Well Development Logs and Monitoring Well Sampling Logs
- Appendix E** Study-Derived Wastes Disposal Documentation
- Appendix F** Environmental Analytical Laboratory Reports
- Appendix G** Table 5 from “Supplemental Groundwater and Background Surface Soil Sampling Report, Former APCO Property, 79 Woodstock Road, Rochester, New York” dated February 6, 1998 and prepared by the Sear-Brown Group

1.0 INTRODUCTION

Day Environmental, Inc. (DAY) prepared this Pre-Development Environmental Investigation and Geotechnical Study Report in support of the contemplated redevelopment of the subject property located at 151 Mt. Hope Avenue, Rochester, New York (Site). The work completed herein was completed in accordance with DAY's November 13, 2009 proposal to the City of Rochester.

1.1 Site Background and History

The Site consists of approximately 1.91 acres and it is currently an undeveloped lot landscaped with grass and several trees. A portion of a basketball court located on the adjoining property to the south (i.e., 171 Mt. Hope Ave.) extends onto the southwest corner of the Site. The Site, located near the western bank of the Genesee River, is bounded to the west by the City of Rochester Genesee Gateway Park, to the east by Mt. Hope Avenue, to the south by City of Rochester parkland, and to the north by the Time Warner Cable Operations Center. The Site is located in a mixed residential and commercial area. A Project Locus Map and Test Location Plan are included as Figure 1 and Figure 2, respectively.

Historical Sanborn maps dated 1892, 1912, 1938, 1950, and 1971, were reviewed as part of this project. Figures 3 through 7 attached to this report provide an overlay of the current Site boundary and project test locations in relation to the 1892 Sanborn map, 1912 Sanborn map, 1938 Sanborn map, 1950 Sanborn map, and the 1971 Sanborn map, respectively. The historical maps show that the Site was extensively developed for various uses over the years, which are summarized below:

- The 1892 Sanborn map overlay shows the Site was developed with two 3-story apartment houses and four two story dwellings located along Mt. Hope Avenue. Figure 3 also shows that a feeder canal existed to the east of the buildings trending north-south.
- The 1912 Sanborn map overlay shows development along Mt. Hope Avenue similar to the 1892 Sanborn map. Figure 4 also shows the feeder canal in a similar position as in the 1892 Sanborn map. Twelve sets of railroad tracks are shown on the central and western portions of the Site. One of the rail lines terminates near the southern edge of the Site, parallel to and west of the feeder canal. Two small structures are shown adjacent to railroad tracks near the center of the Site.
- The 1938 Sanborn map overlay shows the structures along Mt. Hope Avenue observed in the 1892 and 1912 Sanborn maps had been demolished and replaced. Figure 5 shows a building materials warehouse, two stores, and a gas station along the western edge of the Site adjacent to Mt. Hope Avenue. Two gas tanks (labeled as "GTs") are shown adjacent to the gas station on the southwest corner of the Site. Sand and gravel bins, associated with a concrete plant, are shown in the general area where the feeder canal was shown on the 1892 and 1912 Sanborn maps. The central and western portions of the Site are designated as 'full of tracks'. A tool house is shown on the southwest portion of the Site and is located between railroad lines.

- As shown on Figure 6, the 1950 Sanborn map overlay shows the same features as the 1938 Sanborn map overlay, except that the sand and gravel bins shown on the 1938 Sanborn map overlay are not shown on the 1950 Sanborn map.
- As shown on Figure 7, the 1971 Sanborn map overlay shows the same features as the 1950 Sanborn map overlay, except that the tool house shown on the 1950 Sanborn map overlay is not shown on the 1971 Sanborn map. The gas station shown on the 1950 Sanborn map overlay is labeled as auto sales on the 1971 Sanborn map.

1.2 Summary of Previous Environmental Reports

DAY completed a 2000 Phase I Environmental Site Assessment (Phase I ESA) of the Site and adjoining/nearby properties to the South. DAY subsequently completed a Phase II Environmental Site Assessment (Phase II ESA) on the properties in 2000. Additional subsurface investigations of the Site, the adjacent property to the south, and other near-by properties were completed by DAY in 2002. A subsequent environmental and geotechnical study was conducted by DAY and Foundation Design, P.C. (Foundation Design) in 2004. Activities associated with remediating petroleum contamination at the Site and the adjacent property to the south in 2007 are documented in a 2009 Soil and Groundwater Management Plan completed by Stantec consulting Services Inc. (Stantec). The results of these environmental studies are summarized below:

2000 Phase I ESA

The 2000 Phase I ESA identified the historic uses of the Site and adjoining/nearby properties as recognized environmental conditions. These historic uses of the Site and adjoining/nearby properties are documented on Figures 3 through 7. The Phase I ESA report described the recognized environmental conditions at the Site as follows:

- A gas station with two gasoline tanks that was present on the southeast portion of the Site from at least 1938 through 1950.
- A concrete plant that was present on the eastern portion of the Site from at least 1938 through 1950.
- An auto sales facility that was present on the southeast portion of the Site around 1971.

The Phase I ESA also identified that based on the historical data, fill material associated with the railroad beds could contain cinders, slag, and coal that have the potential to contain heavy metals. Additionally, materials used to fill the Erie Canal Feeder could be of environmental concern.

2000 Phase II ESA

As part of the 2000 Phase II ESA study, DAY completed eight test locations at the Site. Six test borings (designated TB-1, TB-2, TB-4, TB-5, TB-9 and TB-36) were advanced at locations across the Site through fill materials and native overburden to depths between approximately 18 and 20 feet below ground surface (bgs). These locations are shown on Figures 2 through 8. Two monitoring wells (designated MW-1 and MW-7) were installed at

locations near the southern edge of the Site to depths of 20 feet. Fill depths ranged from approximately 6 feet bgs near the southwest corner of the Site to 13 feet bgs near the southeast corner of the Site.

Soil and groundwater samples collected from the Site were analyzed for Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), Metals, Pesticides, and/or Total Petroleum Hydrocarbons (TPH). The test results are summarized below:

- VOCs, SVOCs, lube oil weight TPH, and gasoline weight TPH were detected at concentrations requiring further evaluation in a soil sample collected at a depth of approximately 12 feet bgs, from boring TB-4, located near the former gas station. Concentrations of several VOCs and SVOCs detected in the sample exceeded regulatory criteria. A water sample collected from monitoring well MW-1 at the same approximate location also contained VOCs at concentrations exceeding regulatory criteria, and gasoline weight TPH indicative of petroleum contamination.
- Concentrations of several SVOC constituents exceeding regulatory criteria were reported in a sample of fill material collected from TB-2 (located near the center of the Site) at depths between four and eight feet bgs.
- An elevated concentration of lube oil weight TPH was detected in a sample of fill material collected from TB-9 (located near the southwest corner of the Site) at depths between zero and four feet bgs.
- Concentrations of several metals (i.e., arsenic, mercury, and/or selenium) exceeding regulatory criteria were reported in samples of fill materials collected from depths between zero and eight feet at four locations across the Site (i.e., TB-1, TB-2, TB-9, and TB-36).

Based on the findings of the study, the New York State Department of Environmental Conservation (NYSDEC) was notified of apparent petroleum spill and a spill No. 0070377 was assigned to the Site and the adjoining/nearby properties to the south.

2002 Phase II ESA

DAY completed eleven test borings (designated TB-100 through TB104, TB-122 through TB-125, TB-A and TB-B) at the Site during the 2002 study (refer to Figures 2 through 8). These test borings, located along the eastern portion of the Site, were advanced through fill and native overburden materials to depths ranging between approximately 10.5 and 20 feet bgs. Fill, described as a heterogeneous material consisting primarily of sand, silt, and gravel intermixed with cinders, slag, silt and ash, ranged in depths from approximately 6 feet bgs near the northeast corner of the Site to 15.5 feet bgs near the southwest corner of the Site. One of the existing groundwater monitoring wells located near the southeast corner of the Site (i.e., MW-1) was sampled during the 2002 study.

Soil and groundwater samples collected from the Site were analyzed for VOCs, SVOCs, and/or Metals. The test results are summarized below:

- VOCs were detected in three samples of native soil or fill materials collected from the southeast portion of the site at depths between approximately 9.5 feet bgs and 13.5 feet bgs (i.e., TB-101, TB-102, and TB-103).

- Only one SVOC compound, naphthalene, was detected in one sample of native soil material collected from the southeast portion of the site at a depth of approximately 9.5 feet (i.e., TB-101).
- Concentrations of several metals (i.e., arsenic, calcium, copper, iron, magnesium, nickel, selenium and/or zinc) exceeding regulatory criteria were reported in samples of fill materials collected from depths between nine and fifteen feet at two locations on the Site (i.e., TB-A and TB-B).
- Concentrations of multiple gasoline-type VOCs that exceeded regulatory criteria were reported in the groundwater sample collected from monitoring well MW-1.

An EM-61 electromagnetic survey was conducted on the southeast portion of the Site in the area of the former gas station and auto sales operation, and the approximate location of that survey is depicted on Figure 8. No geophysical anomalies requiring investigation were identified on that portion of the Site.

The 2002 study concluded that evidence of a source area of subsurface petroleum contamination was located on the Site, in the vicinity of TB-102, which may extend past the eastern boundary of the Site in that area. The report recommended that soil/fill be excavated and removed from the source area in the vicinity of TB-102, and that residual contamination be treated in-place.

2004 Subsurface Investigations

DAY and Foundation Design conducted concurrent subsurface environmental and geotechnical investigations of the Site between January 2004 and February 2004. The environmental study consisted of the advancement of eight test borings (designated TW-1 through TW-8), and installation of two monitoring wells (designated TW-MW-09 and TW-MW-10). The geotechnical study consisted of four test borings (designated B04-1 through B04-5) and four test pits (designated TP04-1 through TP04-4). These test locations are shown on Figures 2 through 8.

Evidence of petroleum impact (i.e., staining and/ gasoline-type odors) was observed in soil samples collected from four of the eight test borings (i.e., TW-2, TW-3, TW-5, and TW-7) advanced on the southeast portion of the Site during the environmental study. Impacted soil was observed at depths between 11 and 20 feet bgs. Additionally, an area of apparently isolated petroleum impact was observed in the geotechnical boring, B04-3, located near the center of the Site at depths between approximately 4 and 9 feet bgs.

Soil and groundwater samples collected from the Site were analyzed for VOCs and/or SVOCs. The test results are summarized below:

- VOCs were detected in one sample of fill material and four samples of native soils collected from the southeast portion of the site at depths between approximately 12 feet bgs and 17 feet bgs (i.e., TW-2, TW-3, TW-5, TW-6 and TW-7). Total VOC concentrations (plus tentatively identified compounds) in several samples exceeded regulatory criteria.

- Only one SVOC compound, phenanthrene, was detected in one sample of native soil material (TW-6) collected from the southeast portion of the site at a depth of approximately 12 feet bgs.
- VOCs and SVOCs were detected in a fill sample collected from B04-3 at a depth of approximately 9 feet bgs.

As part of the geotechnical assessment, representatives of Foundation Design documented and observed subsurface conditions during the advancement of test pits and borings. Foundation Design also collected a sample of soil that was tested by a geotechnical laboratory for moisture content and grain size distribution. The geotechnical assessment concluded that the in-place fill encountered at the Site was unsuitable to support the proposed structures, as well as being unsuitable for re-use as structural fill.

2007 Remedial Activities

Between October 2007 and November 2007, Stantec excavated and disposed of petroleum-impacted soil from the Site, and the adjoining/nearby properties to the south that were associated with NYSDEC Spill #0070377. The areal extent of the excavation on the Site totaled approximately 5,200 square feet. Excavation depths on the Site ranged from approximately 8 to 21 feet bgs. The approximate location of the Stantec excavation is depicted on Figure 8.

As depicted on Figure 8, the Stantec excavation was completed in stages, each extending to different depths in the subsurface based on the impacted soil encountered. A portion of the area (i.e., on the west side of the excavation area, depicted in Figure 8 with a gray hatch symbol) was investigated by Stantec, but the conditions observed did not warrant soil removal in that area. However, Stantec did encounter multiple foundation remnants in the shallow subsurface. The approximate locations of these structures are also depicted on Figure 8 (i.e., red-lined objects within the gray hatched area).

The excavations were backfilled with an imported bank run material and with non-impacted soil/fill from the excavation areas deemed suitable for re-use.

Confirmatory samples collected from the sidewalls of the excavation subsequent to the removal work indicate that residual petroleum contamination may be present along portions of the 30-foot wide utility easement area located along the eastern boundary of the Site. This is shown on Figure 8 by an orange hatched area that includes previous test boring TB-101. The confirmatory soil samples contained one or more petroleum-type VOCs that exceed TAGM 4046 RSCOs.

Stantec removed monitoring well MW-1 during the remedial activities. Upon completion of remedial activities, monitoring well MW-1R (replacement) was installed in the vicinity of the former location of MW-1. The location of MW-1R is shown on Figures 2 through 8.

Concentrations of each VOC analyzed in a groundwater sample collected from MW-1R were below laboratory detection limits in February 2009, when Stantec discontinued its groundwater monitoring program.

1.3 Future Redevelopment Options

The City of Rochester (City) is considering redevelopment options for the Site, which are presumed to consist of mixed residential/commercial use.

A copy of the City of Rochester New York Developer's Guide is included in Appendix A. This guide can be used to assist a developer in meeting the City's requirements and expectations as they relate to redevelopment of the Site. The document provides guidance on zoning, environmental and construction standards, identifies City Departments and other governmental agencies typically involved with the process, identifies types of permits commonly required by City Departments and other governmental agencies, and a flow chart that presents the general review process.

1.4 Objective of Study

The objective of the scope of work performed during this project was to evaluate subsurface conditions with regard to environmental and geotechnical characteristics, in order to provide information and guidance for use in the redevelopment of the Site.

1.5 Scope of Work

To assist in meeting the objective of this project, the following scope of work was performed:

- Utility Identification and Capacity Assessment;
- Concurrent subsurface environmental and geotechnical assessment involving excavation of test pits, advancement and sampling of rotary-drilled and direct-push test borings, installation of groundwater monitoring wells, and analysis of soil and groundwater samples;
- Location and elevation survey of the subsurface test locations; and
- Development of a Pre-Development Environmental Investigation and Geotechnical Study Report.

The scope of work performed is further described in Section 2.0 of this report.

2.0 PRE-DEVELOPMENT ENVIRONMENTAL AND GEOTECHNICAL SCOPE OF WORK

This section of the report provides details regarding the scope of work that was implemented to fulfill the objective of the study described in Section 1.4.

2.1 Utility Identification and Capacity Assessment

DAY reviewed and obtained publicly available City and utility records, which were used to assist in identifying the location of the utilities at, or available, to the Site. Based upon the research performed, the locations of select aboveground and buried utilities identified on the Site, as well as select utilities off-site, are shown on Figure 9, and are further described below.

On-site utilities include:

- No on-site utilities.

Utilities adjacent and parallel to the eastern boundary along Mt. Hope Avenue include:

- 8-inch diameter steel natural gas main.
 - The available pressure is reported as 8-12 pounds per square inch (psi).
- Buried electric service.
 - An RG&E representative stated that a completed electric service request form needs to be submitted to RG&E for review to determine electric service configuration that would be available.
- 12-inch diameter domestic water main.
 - Water main static pressure has been tested at 51.0 psi, with residual pressure at 48.0 psi, available flow at 20 psi has been calculated at 11,660 gallons per minute (gpm).
- 52-inch diameter combined sanitary-storm sewer flowing north.
 - The northern-most section of sewer has a calculated capacity of 44.88 cubic feet per second (cfs)
- Buried telephone service.

Note: The ability to service the Site with existing utilities will be dependent on capacity requirements, and each utility company should be contacted to discuss these requirements at the time of design.

2.2 Document Review

DAY and its geotechnical subconsultant (Foundation Design, P.C.) reviewed various in-house documents and resources. DAY and Foundation Design, P.C. also reviewed historical maps, photos and figures provided by the City. This document review provided useful information concerning anticipated subsurface site conditions, such as the locations of former building foundations, gas station properties, etc. and this information was used to assist in the planning and evaluation of this study.

2.3 Subsurface Soil/Fill Evaluation

Intrusive investigative work was performed as part of a concurrent environmental and geotechnical subsurface evaluation for the Site. This subsurface evaluation included the excavation of 23 test pits, the advancement of 3 rotary-drilled test borings, the installation of three monitoring wells in the rotary-drilled borings, and the collection, field screening, field observation, and environmental laboratory analysis of soil and/or groundwater samples. Additional details concerning the subsurface evaluation work are provided in the subsections below.

DAY used a Trimble Geo XH model GPS to mark out the location of each test pit and test boring advanced during this study. Further, the elevation of each test location was surveyed using a laser level, with reference to a known datum located on the property adjacent to the south. The locations were measured in relation to New York State coordinates, western zone, NAD 83 (1996), which is consistent with the City of Rochester Geographical Information System (GIS) mapping.

2.3.1 Test Pits

DAY retained TREC Environmental, Inc. (TREC) to advance 23 test pits at the Site between February 18, 2010 and February 19, 2010. The locations of these test pits (designated as TP10-1 through TP10-23) are shown on Figure 2 through Figure 8. The test pits were generally selected based on the following criteria:

- Test Pits TP10-5, TP10-6, TP10-11 and TP10-12 were excavated around previous boring B04-3 where apparent petroleum-impacted fill material had previously been identified (refer to Figure 2). These locations are also on or near the footprints of former railroad tracks and/or railroad trellis (refer to Figures 4 through 7).
- Test Pits TP10-1 and TP10-4 were excavated within or through the former Erie Canal Feeder location, including its former western wall location (refer to Figure 4).
- Test Pits TP10-9 and TP10-10 were excavated within or near the footprints of the former Tool House building on the southwest portion of the Site (refer to Figures 5 and 6).
- Test Pits TP10-14 and TP10-15 were excavated within the footprints of a former building and railroad improvement on the west central portion of the Site (refer to Figure 4).
- Test Pit TP10-8 was excavated at the end of a former railroad spur, which was later developed with former railroad tracks (refer to Figures 4 through 7).
- Test Pits TP10-2 and TP10-3 were excavated within or near the footprints of former buildings that used to be located on the east side of the Site along Mt. Hope Avenue (refer to Figures 3 through 7).
- Test Pits TP10-7, TP10-13, TP10-16, TP10-17, TP10-18, TP10-19, TP10-20, TP10-21, TP10-22, and TP10-23 were excavated on or near the footprints of former railroad tracks on the Site (refer to Figures 3 through 7).

Some of the test pit locations were also useful in evaluating the extent of fill material, early equipment refusals, or other subsurface conditions that were encountered as the work progressed.

The test pits were excavated to depths ranging between 2.0 feet and 18.0 feet bgs. The shallower test pits (i.e., depths ranging between 2.0 feet and 4.0 feet) were terminated when apparent foundation or concrete flooring remnants were encountered. Personnel from DAY and Foundation Design observed the excavations and prepared a log of the test pits. DAY collected select samples for possible laboratory analysis. Additionally, DAY also screened soil/fill during excavation with a photoionization detector (PID) for evidence of VOC vapors. Pertinent information for each test pit is provided on logs included in Appendix B. Following excavation, the test pits were backfilled with excavated material and compact by tamping with the excavator bucket.

2.3.2 Rotary-Drilled Test Borings

DAY retained Nothnagle Drilling, Inc. (Nothnagle) to advance three test borings at the Site using a rotary drill-rig. Nothnagle advanced these test borings on May 5, 2010 and May 6, 2010, and the locations of these test borings (designated as MW10-1 through MW10-3) are shown on Figure 2 through Figure 8.

The purpose of these test borings was to: 1) document the in-place density of the soil using standardized test methods; 2) evaluate subsurface conditions regarding soil/fill types and evidence of contamination; and 3) subsequently install monitoring wells so that additional groundwater quality and flow data could be obtained (refer to Section 2.4.1). The test borings were generally selected based on the following criteria:

- Boring MW10-1 was advanced in an area of former railroad tracks on the northwest portion of the Site (refer to Figures 3 through 7), which is also a location away from other wells intended to provide greater groundwater monitoring coverage across the Site.
- Boring MW10-2 was advanced in an area of former railroad tracks on the north central portion of the Site (refer to Figures 3 through 7), which is also near the locations of TP10-6, TP10-11 and B04-3 where petroleum-impacted soil and/or fill material was documented.
- Boring MW10-3 was advanced through the former Erie Canal feeder on the northeast portion of the Site (refer to Figures 3 and 4), which is also a location away from other wells intended to provide greater groundwater monitoring coverage across the Site.

During drilling, continuous split spoon samples were collected via Standard Penetration Test (SPT) methods in the overburden ahead of the hollow stem augers. Split-spoon soil samples were classified, logged, and also screened with the PID. Selected soil samples were retained for possible testing for the presence of selected chemical constituents. Each boring was advanced to auger refusal, which corresponds to depths ranging between 18.8 feet and 25.0 feet below the ground surface. Pertinent information for each test boring is provided on logs included in Appendix C.

2.3.3 Analysis of Soil/Fill Samples

Various soil or fill samples from test pits and rotary-drilled test borings were selected for analytical laboratory testing. This included: 1) samples from test borings and test pits with the greatest field evidence of impact (e.g., highest PID readings measured, staining, suspect fill material, odors, etc.); 2) samples collected from immediately above the water table, immediately above bedrock, or near the bottom of the test boring/test pit when evidence of impact was not encountered; and 3) samples based on spatial relationship to other test locations to evaluate extents of potential impact.

The following samples (summarized on Table 1) were delivered under chain-of-custody control to Mitkem Laboratories, Inc., (Mitkem) located in Warwick, Rhode Island, which is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified analytical laboratory for the tests that were performed:

- Sample TP10-1 (8.5') consisting of apparent indigenous soil.
- Sample TP10-4 (2') consisting of apparent reworked soil fill with few pieces of slab rock and concrete, and trace brick, wire, wood, cinders, plastic, ash, and slag (i.e., black light-weight pebble size material with vesicles).
- Sample TP10-4 (11') consisting of apparent reworked soil fill with some organics and trace wood, brick, ash, and metal.
- Sample TP10-6 (3.5') consisting of apparent reworked soil fill with trace amounts of concrete, brick, ash, and cinders.
- Sample TP10-6 (5-5.8') consisting of apparent incinerator ash with little sand and cobbles and trace brick, asphalt shingles, glass, and organics.
- Sample TP10-6 (9') consisting of apparent reworked soil fill with little amounts of metal, ash, wood, brick, and glass.
- Sample TP10-7 (6.5') consisting of apparent incinerator ash with lesser amounts of slag, glass, and metal.
- Sample TP10-8 (2.5') consisting of apparent reworked soil fill with some organics and trace amounts of wire wood, brick, ash, and glass.
- Sample TP10-11 (7') consisting of apparent incinerator ash with some sand, gravel, slag, cinders, coal, and trace wood, glass, ceramic, tile, metal, and shingles.
- Sample TP10-13 (11') consisting of apparent reworked soil fill with little brick, wood pulp, and metal strips.
- Sample TP10-15 (7') consisting of apparent incinerator ash.
- Sample TP10-20 (6.5') consisting of apparent reworked soil fill with trace amounts of organic material and brick.
- Sample TP10-22 (8') consisting of apparent incinerator ash with slag, cinders, glass, and tile.
- Sample TP10-23 (8') consisting of apparent reworked soil fill.
- Sample MW10-1 (7-8') consisting of apparent incinerator ash.
- Sample MW10-1 (8.5-10') consisting of apparent reworked soil fill with little brick and ash.

- Sample MW10-1 (10-11') consisting of apparent incinerator ash with little sand and wood fragments transitioning into native soil.
- Sample MW10-2 (5.5-6') consisting of apparent reworked soil fill with trace coal fragments, brick, concrete fragments, and organics.
- Sample MW10-2 (8-9.5') consisting of apparent incinerator ash transitioning into native soil.
- Sample MW10-3 (10-12') consisting of apparent incinerator ash intermixed with reworked soil fill.
- Sample MW10-3 (13') consisting of apparent native soil.

Samples were analyzed for one or more of the following (refer to Table 1): Target Compound List (TCL) and Spill Technology and Remediation Series (STARS)-list VOCs using United States Environmental Protection Agency (USEPA) Method 8260; TCL SVOCs using USEPA Method 8270; Target Analyte List (TAL) metals using USEPA Methods 6010 and 7471; and/or, Resource Conservation and Recovery Act (RCRA) metals using USEPA Methods 6010 and 7471.

In addition, one trip blank sample accompanied the soil/fill samples collected from the test pits (designated as TB021910) and one trip blank sample accompanied the soil/fill samples collected from the test borings (designated as TB050610). The trip blank samples were analyzed for TCL and STARS-list VOCs using USEPA Method 8260.

2.4 Groundwater Evaluation

An environmental groundwater evaluation was performed as part of this project. The evaluation included: installation and development of three monitoring wells; survey of well locations using GPS and laser level equipment in relation to established control datum; collection of static water levels from four existing and three new monitoring wells; collection of groundwater samples from the three new monitoring wells; and analysis of groundwater samples that were collected from the wells. Additional detail concerning this work is provided in the subsections below.

2.4.1 Monitoring Well Installation

On May 5, 2010, test borings MW10-1, MW10-2, and MW10-3 were converted to groundwater monitoring wells (refer to Figure 2 through Figure 8). Each groundwater monitoring well was constructed with a 2-inch inner diameter Schedule 40 polyvinyl chloride (PVC) screen attached to solid riser piping of the same material. Well construction diagrams for each monitoring well that provide additional specifics are included in Appendix C.

2.4.2 Well Development

On May 18, 2010, DAY developed the new groundwater monitoring wells by removing groundwater from each well and taking water quality measurements using a Horiba U-22 water quality meter. DAY screened the ambient air inside each of the three wells with a PID upon being opened, and PID readings in parts per million (ppm) were recorded. The above information is summarized on well development logs that are included in Appendix D.

2.4.3 Groundwater Sampling and Analysis

On June 4, 2010, DAY obtained water level measurements and checked for light non-aqueous phase liquid (LNAPL) using an oil/water interface probe in each of the seven on-site monitoring wells.

The three new wells (i.e., MW10-1, MW10-2 and MW10-3) were subsequently sampled using low-flow sampling techniques. Monitoring well sampling logs that provide additional specifics are included in Appendix D. The groundwater samples from wells MW10-1, MW10-2, and MW10-3 were submitted to Mitkem for laboratory analysis. The three groundwater samples were analyzed for TCL and STARS-list VOCs using USEPA Method 8260, TCL and STARS-list SVOCs using USEPA Method 8270, and RCRA Metals using USEPA Methods 6010 and 7470.

A trip blank (designated as TB 6/4/10) accompanied the June 4, 2010 groundwater samples to Mitkem. The trip blank was analyzed by Mitkem for TCL and STARS-list VOCs using USEPA Method 8260.

DAY surveyed the elevation of each monitoring well using a laser level. The surveyed elevations are relative to a datum provided/surveyed by the City of Rochester as referenced on the Department of Environmental Services, Bureau of Engineering Services, Office of Maps and Surveys, FB 1887, PG 14, and are as follows:

MW10-1: Rim elevation = 517.23'; Inner PVC elevation = 516.87'

MW10-2: Rim elevation = 515.66'; Inner PVC elevation = 515.41'

MW10-3: Rim elevation = 514.63'; Inner PVC elevation = 514.32'

MW-1R: Rim elevation = 513.20'; Inner PVC elevation = 513.06'

MW-7: Rim elevation = 517.20'; Inner PVC elevation = 516.54'

TWMW-09: Rim elevation = 514.27'; Inner PVC elevation = 513.88'

TWMW-10: Rim elevation = 513.60'; Inner PVC elevation = 513.35'

2.5 Geotechnical Assessment

DAY retained Foundation Design to perform a geotechnical assessment concurrently with the environmental evaluation. As part of the geotechnical assessment, representatives of Foundation Design documented and observed subsurface conditions during the advancement of test pits that were performed on February 18, 2010 and February 19, 2010, and borings that were performed on May 5, 2010 and May 6, 2010. The information obtained by DAY and Foundation Design was shared as part of this project. A copy of the geotechnical report prepared by Foundation Design is included in Appendix B.

2.6 Study-Derived Wastes

Soil and drill cuttings, drilling water, decontamination water and well purge water were placed in New York State Department of Transportation (NYSDOT)-approved 55-gallon drums, labeled, and staged on-site at a common location. The City subsequently arranged for the transportation and disposal of the study-derived wastes. A copy of disposal documentation for the study-derived wastes is included in Appendix E.

3.0 FINDINGS

The results and findings of this project are presented in this section of the report.

3.1 Subsurface Soil/Fill Environmental Evaluation

The Site is covered with an approximately 0.5 to 1.5 foot thick layer of topsoil. Fill material generally consisting of reworked soil (i.e., silt, sand, gravel, cobbles, and boulders) was observed below the topsoil in each of the test locations advanced during this study. The reworked soil fill also contains lesser amounts of topsoil, ash, coal, slag, glass, wire, brick, concrete fragments, lumber, metal objects (e.g., scrap, railroad rail, rebar), and/or plastic. Large pockets of fill consisting primarily of incinerator waste (i.e., ash, cinders, slag, and non-combustible metal and glass fragments) were also observed on the Site.

The uppermost layer of indigenous soil underlying fill at the Site generally consists of silt with lesser amounts of clay, sand and organics. Thin pockets of highly organic soil were also observed within this silt layer. Compact silty sand, presumed to be glacial till or a river deposit, underlies the silt material. Large boulders were encountered at the base of the till near the presumed top of bedrock. The overburden soil and fill at the Site are underlain by Dolomite bedrock of the Lockport Formation. The depth to bedrock at the rotary test borings ranged from approximately 24.1 feet to 25.5 feet below the ground surface. The upper three to five feet of the bedrock was observed to be highly fractured and was difficult to differentiate from the overlying boulders.

Four test pits excavated on the eastern portion of the Site (i.e., TP10-14, TP10-16, TP10-17, TP10-18) were terminated on concrete slabs that were encountered at depths ranging from between 2 feet bgs (TP10-17) and 4 feet bgs (TP10-14 and TP10-18).

Three geologic cross-sections (A-A', B-B', and C-C') were developed for the Site (refer to Figure 2 for plan view), and are included in the Pre-Development Geotechnical Assessment (Appendix B) as Figures 1,2, and 3, respectively. Cross-section A-A' generally trends west to east across the northern portion of the Site, cross-section B-B' generally trends west to east across the southern portion of the Site, and cross-section C-C' generally trends south to north across the center-west portion of the Site. These cross-sections illustrate the overburden types and corresponding depths identified in test borings, well locations and test pits that were advanced as part of this study and previous studies identified in Section 1.2.

Information collected during previous intrusive investigations at the Site, in addition to data generated during this study was used to interpolate the extent of the soil fill layer across the site, and to estimate an approximate fill volume for material at the Site. The interpolation was conducted with the Environmental Systems Research Institute (ESRI) Spatial Analyst software using an inverse distance weighted (IDW) statistical analysis method. The fill volume estimate was calculated with the ESRI Spatial Analysis software using the Cut/Fill Tool. A fill thickness isopach map, showing the interpolated fill thickness across the Site, is included as Figure 10.

As shown in Figure 10, the measured depths to the bottom of the soil fill ranged from approximately 4 feet bgs (TP10-23) to approximately 15.4 feet bgs (TB-104) at test boring and test pit locations that were terminated in underlying indigenous soil. Based on the fill thickness shown on Figure 10, the total volume of fill present at the Site was calculated to total approximately 25,472 cubic yards. A cross sectional view of the soil fill estimated to be present at the site was created from the fill isopach map data, and is included as Figure 11. The figure also shows the relative elevation of soils interpreted to be indigenous to the Site.

The approximate thickness and location of the incinerator waste layer, observed in the test pits advanced in February 2010, is shown on an incinerator waste layer isopach map included as Figure 12. [Note: Due to its compressible nature, the incinerator waste layer was generally not observed in the samples collected from test borings advanced during this study and past studies. Therefore, the incinerator waste layer model covers only that portion of the Site on which test pits TP04-1 through TP04-3 and TP10-1 through TP1023 were advanced. It is possible that the incinerator waste layer extends onto other parts of the Site that are not represented in the modeled area shown on Figure 12] The approximate thickness of the incinerator waste layer between the test pit locations was interpolated with the ESRI Spatial Analyst software using the IDW statistical analysis method. As shown in Figure 12, the measured thickness of the incinerator waste ranged from less than one foot (TP10-6, TP10-8, TP10-20, TP10-21) to approximately 7.5 feet (TP04-3) in thickness. A cross sectional view of the incinerator waste layer estimated to be present on the portion of the Site that could be modeled was created from the fill isopach map data, and is included as Figure 13.

3.1.1 Environmental Analytical Laboratory Test Results for Soil/Fill Samples

Test results for VOCs, SVOCs, and metals are summarized on Table 2, Table 3, and Table 4, respectively. Copies of the Mitkem laboratory reports are included in Appendix F. Although the Site is not currently within an environmental program mandated by the NYSDEC, the test results for the soil/fill samples that were tested as part of this study are compared to the following criteria referenced in the NYSDEC document titled “6 NYCRR Part 375, *Environmental Remediation Programs*” dated December 14, 2006.

- Restricted Residential Soil Cleanup Objectives (SCOs);
- Restricted Commercial SCOs; and
- SCOs for the Protection of Groundwater

The test results and comparison to the above criteria are further discussed below.

VOCs

As shown on Table 2, VOCs were detected in each of the 6 samples that were tested. VOCs detected in one or more sample included: 1,1,2-trichloroethane; 2-hexanone; acetone; chloroform; isopropylbenzene; methylene chloride; n-butylbenzene; naphthalene; sec-butylbenzene; tert-butylbenzene; toluene; 1,2,4-trimethylbenzene; 1,3,5-trimethylbenzene; and xylene. Concentrations of specific VOCs detected ranged between 0.0013 and 0.35 mg/kg or ppm. Many of the detected concentrations were qualified as estimated concentrations by the analytical laboratory since they were detected below the method detection limit. The VOCs chloroform; methylene chloride; and naphthalene were also detected in an associated method blank; thus, these VOCs may not be attributable to the Site.

Also, methylene chloride and acetone are common laboratory artifacts; thus, the concentrations detected in the field samples could be attributable to laboratory artifacts.

The concentration of acetone (i.e., 0.082 mg/kg or ppm) in the soil sample collected from TP-6 (9') exceeds the Protection of Groundwater SCO (0.050 mg/kg or ppm) by just 0.032 mg/kg or ppm. The remaining concentrations of VOCs detected in these samples do not exceed their respective Restricted Residential SCOs, Restricted Commercial SCOs, or Protection of Groundwater SCOs.

SVOCs

As shown on Table 3, SVOCs were detected in each of the 13 samples that were tested. SVOCs detected in one or more sample included: acenaphthene; acenaphthylene; anthracene; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; benzo(k)fluoranthene; carbazole; chrysene; dibenzo(a,h)anthracene; dibenzofuran; fluoranthene; fluorene; indeno(1,2,3-cd)pyrene; naphthalene; 2-methylnaphthalene; 2-methylphenol; 4-methylphenol; phenanthrene; phenol; and pyrene. Concentrations of specific SVOCs detected ranged between 0.040 and 110 mg/kg or ppm. Many of the detected concentrations were qualified as estimated concentrations by the analytical laboratory since they were detected below the method detection limit.

A comparison of the detected SVOC concentrations to SCOs is summarized below:

- Sample TP10-4(2') contained benzo(a)anthracene; benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene at concentrations exceeding respective Restricted Residential SCOs, Restricted Commercial SCOs, and/or Protection of Groundwater SCOs. The levels of exceedance are only 1.8 times or less the respective SCOs. The concentrations of the other SVOCs detected in this sample were below their respective Restricted Residential SCOs, Restricted Commercial SCOs, and Protection of Groundwater SCOs.
- Sample TP10-8(2.5') contained benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene at concentrations exceeding respective Restricted Residential SCOs, Restricted Commercial SCOs, and/or Protection of Groundwater SCOs. The levels of exceedance are only 5.6 times or less the respective SCOs. The concentrations of the other SVOCs detected in this sample were below their respective Restricted Residential SCOs, Restricted Commercial SCOs, and Protection of Groundwater SCOs.
- Sample TP10-11(7') contained benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, and phenol at concentrations exceeding respective Restricted Residential SCOs, Restricted Commercial SCOs, and/or Protection of Groundwater SCOs. The levels of exceedance are 49 times or less the respective SCOs. The concentrations of the other SVOCs detected in this sample were below their respective Restricted Residential SCOs, Restricted Commercial SCOs, and Protection of Groundwater SCOs.
- Sample TP10-15(7') contained benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene at concentrations exceeding respective Restricted Residential SCOs, Restricted

Commercial SCOs, and/or Protection of Groundwater SCOs. The levels of exceedance are only 6.2 times or less the respective SCOs. The concentrations of the other SVOCs detected in this sample were below their respective Restricted Residential SCOs, Restricted Commercial SCOs, and Protection of Groundwater SCOs.

- The concentrations of the SVOCs detected in the other nine samples were below their respective, Restricted Residential SCOs, Restricted Commercial SCOs, and Protection of Groundwater SCOs.

The samples that exceeded one or more SCO (i.e., Restricted Residential, Restricted Commercial, and Protection of Groundwater) for SVOCs are identified on Figure 14, and this figure also lists the total SVOC concentrations detected in those samples.

In addition, SVOC background surface sample data was generated by the City of Rochester in 1998 as part of a NYSDEC Environmental Restoration Project at the former APCO Site, 79 Woodstock Road, Rochester, New York (NYSDEC Site #B-00001-8). The background data is identified in a document titled "Supplemental Groundwater and Background Surface Soil Sampling Report, Former APCO Property, 79 Woodstock Road, Rochester, New York" dated February 6, 1998 and prepared by the Sear-Brown Group. A summary of the detected SVOCs in the background surface soil samples is provided on Table 5 of the 1998 report, and this table is included in Appendix G.

Generally, SVOC concentrations that exceeded one or more SCO in three samples analyzed for this study [i.e., TP10-8(2.5'), TP10-11(7'), and TP10-15(7')] also exceeded the upper threshold background concentration listed in Table 5.

Metals

TAL and/or RCRA metals were detected in each of the fifteen samples that were tested. A comparison of the detected concentrations of metals in these samples to SCOs is provided on Table 4, and is also summarized below:

- Samples TP10-4(11'), TP10-6(9'), TP10-20(6.5'), and TP10-22(8') contained mercury at concentrations exceeding the Restricted Residential SCO and the Protection of Groundwater SCO, but not the Restricted Commercial SCO. The levels of exceedance are only 3.3 times or less the respective SCO.
- Sample MW10-1(10-11') contained arsenic at a concentration exceeding the Unrestricted SCOs, Restricted Residential SCO, Restricted Commercial SCO, and the Protection of Groundwater SCO. The level of exceedance are only 2.3 times than respective SCOs.
- The concentrations of the other metals detected in these samples, as well as the concentrations of all metals detected in the other ten samples analyzed, were below their respective Unrestricted SCOs, Restricted Residential SCOs, and Protection of Groundwater SCOs.

The samples that exceeded one or more SCO for metals are identified on Figure 14, and this figure also lists the concentrations of the specific metals that exceeded the SCOs in the samples.

QA/QC Trip Blanks

Trip blanks TB021910 and TB050610 accompanied test pit soil/fill samples and test boring soil/fill samples (respectively) from to the laboratory. The quality assurance/quality control (QA/QC) trip blank laboratory results can be found in Appendix F. VOCs were not detected in the trip blank samples.

3.2 Groundwater Environmental Evaluation

LNAPL was not detected at the seven on-site wells during the June 4, 2010 monitoring event.

Using the surveyed well elevations and static water level measurements from June 6, 2010, the groundwater elevations for on-site wells were calculated for that date: MW10-1 (504.61'); MW10-2 (504.06'); MW10-3 (497.91'); MW-1R (498.31'); TW-MW-9 (499.67'); TW-MW-10 = (497.61'); and MW-7 (504.05'). The above information is summarized on Table 5. A potentiometric groundwater contour map for the June 4, 2010 monitoring event was developed and is included as Figure 15. As shown, groundwater flow on June 4, 2010 was to the east, towards Mt. Hope Avenue and away from the Genesee River.

A review of static groundwater elevations measured in on-site wells during previous studies at the Site suggests that static groundwater elevations measured during the June 4, 2010 are consistent with those measured in the past. Further, the general direction of groundwater flow (i.e., toward the east, away from the Genesee River) interpreted from the June 4, 2010 static groundwater elevations is generally consistent with flow directions reported during previous studies listed in Section 1.2. Additionally, the static groundwater level in MW-1R, measured on June 4, 2010 is similar to the static groundwater level reported in monitoring well MW-1 during sampling events in 2000 and 2001; suggesting that groundwater is not mounding in the area of the backfilled soil remediation excavation on the southeast portion of the Site.

3.2.1 Environmental Analytical Laboratory Test Results for Groundwater Samples

The groundwater samples collected from wells MW10-1, MW10-2 and MW10-3 on June 4, 2010 were analyzed by Mitkem for TCL and STARS-list VOCs using USEPA Method 8260, TCL and STARS-list SVOCs using USEPA Method 8270, and for RCRA metals using USEPA Methods 6010 and 7470. A copy of the Mitkem laboratory report is included in Appendix F.

The VOCs, SVOCs, and RCRA metals test results for the June 10, 2010 groundwater samples are included in Table 6, Table 7, and Table 8, respectively. A comparison of the June 4, 2010 test results to groundwater standards or guidance values referenced in the NYSDEC document titled "Division of Water Technical and Operational Guidance Series 1.1.1; Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" dated June 1998 as amended with April 2000 and June 2004 addendum tables (TOGS 1.1.1) are included on Table 6, Table 7, and Table 8. The results and comparison to the TOGS 1.1.1 groundwater standards are summarized below:

- As indicated in Table 6, VOCs were not detected at concentrations above analytical laboratory detection limits in the June 4, 2010 groundwater samples collected from MW10-1, MW10-2, and MW10-3.

- As indicated in Table 7, estimated concentrations of SVOCs acenaphthene and fluorene were detected in the June 4, 2010 groundwater sample collected from MW10-2. The estimated concentrations of the detected SVOCs in this sample do not exceed their respective NYSDEC TOGS 1.1.1 guidance values. No other SVOCs were detected in the sample collected from MW10-2. SVOCs were not detected in the June 4, 2010 groundwater samples collected from monitoring wells MW10-1 and MW10-3 at concentrations above reported analytical laboratory detection limits.
- As indicated in Table 8, the metal barium was detected in the groundwater sample collected on June 4, 2010 from MW10-2. Further, estimated quantities of the metal barium were detected in the groundwater samples collected on June 4, 2010 from MW10-1 and MW10-3. The concentrations of barium detected in these samples (i.e., ranging from 38 ug/l or parts per billion (ppb) in MW10-3, to 210 ug/l in MW10-2) were below the TOGS 1.1.1 standard of 1,000 ug/l. No other RCRA metals were detected in these groundwater samples.

VOCs were not detected in the June 4, 2010 “Trip Blank” at concentrations above reported analytical laboratory detection limits. The QA/QC Trip Blank Laboratory results can be found in Appendix F.

3.3 Geotechnical Assessment

A copy of the geotechnical report prepared by Foundation Design is included in Appendix B. The report includes an assessment of subsurface conditions, geotechnical laboratory test results, and conclusions and recommendations based on evaluation of site conditions in relation geotechnical concerns associated with redevelopment of the Site.

In summary, the geotechnical assessment report indicates that:

- The subsurface profile consists of topsoil over mixed fills, organic and/or clayey silt, glacial till, then dolomite bedrock. The fill consists of mixed earth, topsoil, ash, coal, slag, glass, wire, brick, concrete fragments, and other deleterious material. Large zones within the fill consist primarily of incinerator waste (ash, etc.). Remnants of pre-existing structures were encountered in several of the test pits excavated during the study, and were also observed during previous studies at the Site.
- The upper, natural soils consist of loose to firm silt with trace to some clay, trace to little sand, and trace organics. Thin pockets of more highly organic soil were also noted in the sampling. Compact to dense glacial till or river-deposited sand and gravel underlies the organic silt. Based on a review of the existing data, the bedrock surface lies between 490 feet and 495 feet above mean sea level, roughly 25 feet below the surface. The upper three to five feet of bedrock was observed to be highly fractured, making it difficult to differentiate this upper portion from boulders in the overlying unit. Rock quality improved below this upper interval of fractured bedrock.

- Groundwater was generally encountered at depths below 10 feet bgs. Water observed in test pits at approximately 10 feet bgs was interpreted to be perched (i.e., trapped in the fill at these locations).
- The in-place fill material and underlying organic silt/clay deposits are not suitable to support new construction. The in-place fill contains sporadic areas where highly compressible ash and cinders have been deposited. This material would consolidate and compress under new structural loads, leading to unacceptable settlement of the structure and floor slabs. The underlying organic material will slowly decompose over time, leading to more consolidation and settlement.
- For preliminary estimating, assume that a deep foundation system and structural floor slab will be required for a new building. The deep foundation system will be highly dependent on building loads, and load distribution within the structure.

The geotechnical assessment report also provides conclusions and guidance on: site preparation items; structural fill and backfill materials; seismic considerations; underground utilities; pavement/sidewalk measures; bedrock/groundwater considerations; and premium cost items in relation to redevelopment of this Site as compared to development of a 'green' site. The premium cost items are associated with structural/design costs and geotechnical construction oversight costs.

In the closure section, the geotechnical assessment report states that "additional geotechnical exploration, testing, and/or engineering analysis will be required after the building locations, sizes, design loads, and site grading have been established".

4.0 CONCLUSIONS AND RECOMMENDATIONS

This section of the report summarizes the findings of the pre-development environmental investigation and geotechnical studies that were performed at the Site, and also provides conclusions and recommendations as they pertain to environmental and geotechnical conditions that should be considered when planning and implementing the redevelopment of the Site. This study also included researching and identifying utilities that are currently on and around the Site. The conclusions and recommendations provided herein assumed future redevelopment options, which are residential and/or commercial.

Based on the environmental and geotechnical Site conditions identified during this study, and on current City zoning, redevelopment of the Site for restricted residential use and/or restricted commercial use as defined in NYSDEC Part 375-1.8 are feasible options.

Restricted residential use allows common ownership or a single owner/managing entity of the site, and active recreational uses that are public uses with a reasonable potential for soil contact. Restricted residential use restricts or prohibits:

- Single family housing; and
- Vegetable gardens, although community vegetable gardens could possibly be considered with regulatory agency approval.

Commercial components would likely not require common ownership, and also allow passive recreational uses, which are public uses with limited potential for soil contact.

4.1 Availability of Utilities to the Site

DAY reviewed and obtained publicly available City and utility records to assist in identifying the type and location of the utilities at or available to the Site. Utilities do not presently exist on-site. Utilities adjacent to the east of the Site along Mt. Hope Avenue include:

- Natural gas
- Electric service
- Domestic water
- Combined sanitary-storm sewer
- Telephone service.

The ability to service the project site with existing utilities will be dependent on capacity requirements of the redeveloped Site. Each utility company should be contacted to discuss specific requirements at the time of design.

4.2 Environmental Considerations

The Site is covered with an approximately 0.5 to 1.5 foot thick layer of topsoil. Fill material generally consisting of reworked soil (i.e., silt, sand, gravel, cobbles, and boulders) was observed below the topsoil in each of the test locations advanced during this study. The reworked soil fill also contains lesser amounts of topsoil, ash, coal, slag, glass, wire, brick, concrete fragments, lumber, metal objects (e.g., scrap, railroad rail, rebar), and/or plastic.

Large pockets within the fill consist primarily of incinerator waste comprised of ash, cinders, slag, and non-combustible metal and glass fragments.

The upper most layer of indigenous soil underlying fill deposits at the Site generally consists of silt with lesser amounts of clay, sand and organics. Thin pockets of highly organic soil were also observed within this silt layer. Compact silty sand, presumed to be glacial till or a river deposit, underlies the silt material. Large boulders were encountered at the base of the till near the presumed top of bedrock. The overburden soil and fill at the Site are underlain by Dolomite bedrock of the Lockport Formation. The depth to bedrock at the rotary test borings ranged from approximately 24.1 feet to 25.5 feet below the ground surface. The upper three to five feet of the bedrock was reported to be highly fractured and difficult to differentiate from the overlying boulders.

Although six samples of soil/fill analyzed during this study were found to contain concentrations of the metals mercury and/or arsenic that exceed SCOs for Protection of Groundwater and Restricted Residential Use, only the fill sample TP10-1(10-11') contained a metal analyte (i.e., Arsenic) at a concentration that exceeded its SCO for Restricted Commercial Use. Also, only four of the thirteen soil or fill samples tested during this study were found to contain concentrations of one or more SVOC that exceeded SCOs for Restricted Residential Use and/or Restricted Commercial Use. Only one fill sample, TP10-6 (9') contained a VOC (i.e., acetone) at a concentration exceeding the SCO for Protection of Groundwater by 0.032 mg/kg or ppm, but did not exceed the SCO for Restricted Residential Use or Restricted Commercial Use.

Based on the subsurface evaluation performed to date, areas of fill material at the Site will require specialized handling/disposal as a construction and demolition (C&D) waste or solid waste if displaced during redevelopment or other future activities. The remaining reworked soil fill likely could be re-used on-site, and would be exempt from being considered a regulated solid waste requiring off-site disposal since it appears to meet beneficial use descriptions referenced in NYSDEC Part 360 (Solid Waste Management Facilities) §360-1.15 (Beneficial Use).

An unknown quantity of petroleum impacted soil was left in-place along the utility corridor on the southeast portion of the Site subsequent to the soil remediation effort conducted by Stantec in 2007. Samples of this material from the eastern sidewall of the excavation along an approximately 30-foot section contained one or more petroleum constituent that exceeded TAGM 4046 RSCOs. The residual petroleum impacted soil (and associated groundwater, if any) located on this portion of the Site is addressed in a Soil and Groundwater Management Plan document titled "151-191 Mount Hope Avenue, Rochester, Monroe County NY (NYSDEC Spill #0070377)" (SGMP) dated August 2009 and prepared by Stantec. The SGMP includes measures for management of subsurface work on the southeast portion of the Site.

No VOCs were detected in June 2010 groundwater samples from monitoring wells MW10-1, MW10-2, and MW10-3 at concentrations exceeding the laboratory detection limit of 5 ug/l or ppb. While several SVOCs (i.e., acenaphthene and fluorene) and the metal barium were detected in one or more of the June 2010 groundwater samples from monitoring wells MW10-

1, MW10-2, and MW10-3, the concentrations did not exceed TOGS 1.1.1 standards or guidance values.

Based on the studies and remediation completed to date, soil vapor intrusion into new buildings or structures does not appear to be a concern across the majority of the Site. Only the area east of the soil removal excavation where petroleum impacted soils exceeding TAGM 4046 RSCOs presents a potential for soil vapor intrusion into new buildings; however, construction of buildings in this area is unlikely since the area is within a 30-foot wide utility easement.

Environmental Recommendations

Based on the studies performed, interim remedial measures or site-wide remediation do not appear warranted at this time. However, since some samples of fill material contained various SVOCs and metals above SCOs for Restricted Residential Use and/or Restricted Commercial Use, it is recommended that an Environmental Management Plan (EMP) be developed and implemented during future activities at the Site that have the potential to disturb these media. The EMP should: a) identify, characterize, and detail the handling, disposal of, or re-use of fill material; and, b) establish goals, procedures, appropriate response actions and contingency actions to be used by on-site personnel should fill material, contaminated groundwater, or other unknown contaminated media be encountered and disturbed in the future. In addition, it is recommended that a Health and Safety Plan be developed to protect construction workers, on-site occupants, and the nearby community from exposures to constituents in the fill material or groundwater should they be disturbed (i.e. during redevelopment activities, construction activities, utility trenching, site grading, etc.).

The 2009 Stantec SGMP should be implemented in conjunction with the new EMP, or the relevant requirements of the SGMP that are applicable to the 151 Mt. Hope Avenue parcel should be incorporated into the new EMP.

The potential for vapor intrusion into future buildings or structures should be considered only for the portion of the Site in the area east of the soil removal excavation where petroleum impacted soils exceeding TAGM 4046 RSCOs were left in-place.

Prior to development, it is recommended that a copy of this report be submitted to the appropriate regulatory agencies for their review and to assure their concurrence with the findings and recommendations presented in this report. Based on the heterogeneity of the fill and/or if environmental conditions are to be further addressed under a formal NYSDEC program (e.g., Brownfield Cleanup Program), it is possible that additional investigation or corrective actions may be required at the Site.

4.3 Geotechnical Considerations

The geotechnical report, included in Appendix B states: "...The in-place fill material and underlying organic silt/clay deposit (encountered at the Site) are not suitable to support new construction. The in-place fill contains sporadic areas where highly compressible ash and cinders have been deposited. This material would consolidate and compress under new structural loads, leading to unacceptable settlement of the structure and floor slabs. The

underlying organic material will slowly decompose over time, leading to more consolidation and settlement. For preliminary estimating, assume that a deep foundation system and structural floor slab will be required for the new building. The deep foundation system that will ultimately be utilized is highly dependent on building loads, and load distribution with the structure. Old foundations were encountered in several test pits...(and) also encountered in the western portion of the Stantec environmental clean-up excavation; these foundations were left in-place. Old foundations are possible in other old building/trestle locations.”

The geotechnical report also provides conclusions and guidance on: site preparation items; structural fill and backfill materials; seismic considerations; underground utilities; pavement/sidewalk measures; bedrock/groundwater considerations; and premium cost items in relation to redevelopment of this site as compared to development of a ‘green’ site. The premium cost items are associated with structural/design costs and geotechnical construction oversight costs.

In the closure section, the geotechnical report states: “...additional geotechnical exploration, testing, and/or engineering analysis will be required after the building locations, sizes, design loads, and site grading have been established”.

The complete geotechnical report is included in Appendix B. This report provides additional discussion regarding subsurface conditions, and provides further recommendations concerning geotechnical considerations, for the Site.

5.0 ACRONYMS

C&D	Construction and Demolition
CFS	Cubic Feet per Second
DAY	Day Environmental, Inc.
ELAP	Environmental Laboratory Approval Program
ESRI	Environmental Systems Research Institute
EMP	Environmental Management Plan
GIS	Geographic Information System
GPS	Geographic Positioning System
IDW	Inverse Distance Weighted
LNAPL	Light Non-Aqueous Phase Liquid
NAD	North American Datum
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
Phase I ESA	Phase I Environmental Site Assessment
Phase II ESA	Phase II Environmental Site Assessment
PID	Photoionization Detector
PPB	Parts Per Billion
PPM	Parts Per Million
PVC	Polyvinyl Chloride
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RSCO	Recommended Soil Cleanup Objective
SCO	Soil Cleanup Objective
SPT	Standard Penetration Test
Stantec	Stantec Environmental Services Inc.
STARS	Spill Technology and Remediation Series
SVOC	Semi-Volatile Organic Compound
TAL	Target Analyte List
TCL	Target Compound List
TPH	Total Petroleum Hydrocarbons
TOGS	Technical and Operational Guidance Series
TREC	Trec Environmental, Inc.
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

FIGURES



3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 1" = 500 ft Scale: 1: 19,200 Detail: 14-0 Datum: WGS84

Drawing Produced From: 3-D TopoQuads, DeLorme Map Co., referencing USGS quad maps Rochester East (NY) 1995 and Rochester West (NY) 1995. Site Lat/Long: N43° 8.78' – W77° 36.57'

DATE
7/14/2010

DRAWN BY
RJM

SCALE
1" = 2000'

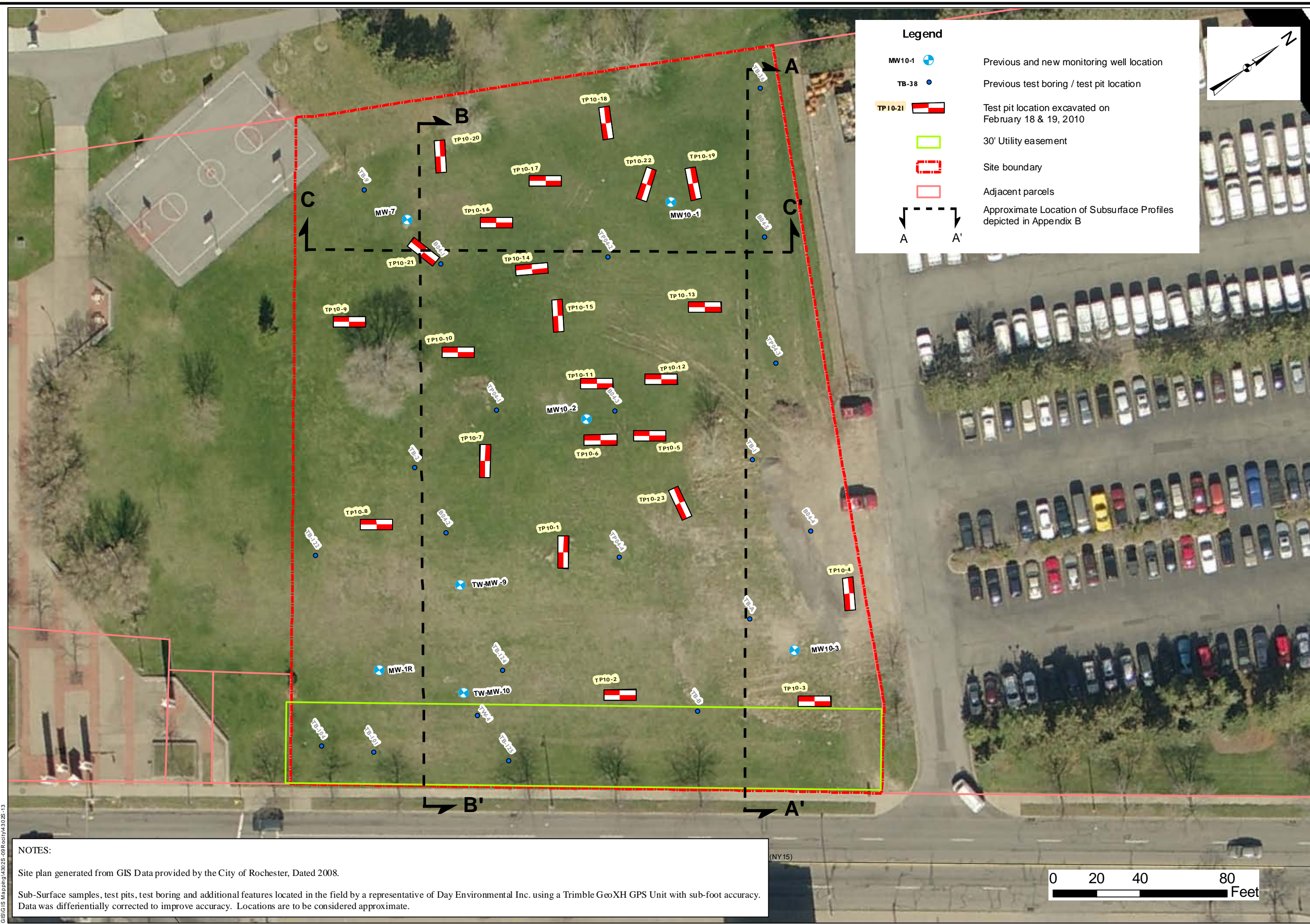
day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14614-1008
NEW YORK, NEW YORK 10165-1617

PROJECT TITLE
**151 MT. HOPE AVENUE
ROCHESTER, NEW YORK**

DRAWING TITLE
PROJECT LOCUS MAP

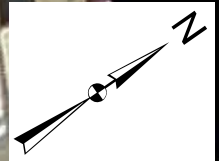
PROJECT NO.
4302S-09

FIGURE 1



Legend

- MW10-1 Previous and new monitoring well location
- TB-38 Previous test boring / test pit location
- TP10-21 Test pit location excavated on February 18 & 19, 2010
- 30' Utility easement
- Site boundary
- Adjacent parcels
- Approximate Location of Subsurface Profiles depicted in Appendix B



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 New York, New York 10016-0710

Project Title
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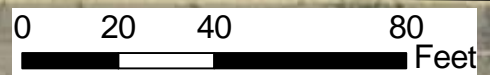
PRE-DEVELOPMENT ENVIRONMENTAL INVESTIGATION AND GEOTECHNICAL STUDY
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Test Location Plan

NOTES:

Site plan generated from GIS Data provided by the City of Rochester, Dated 2008.

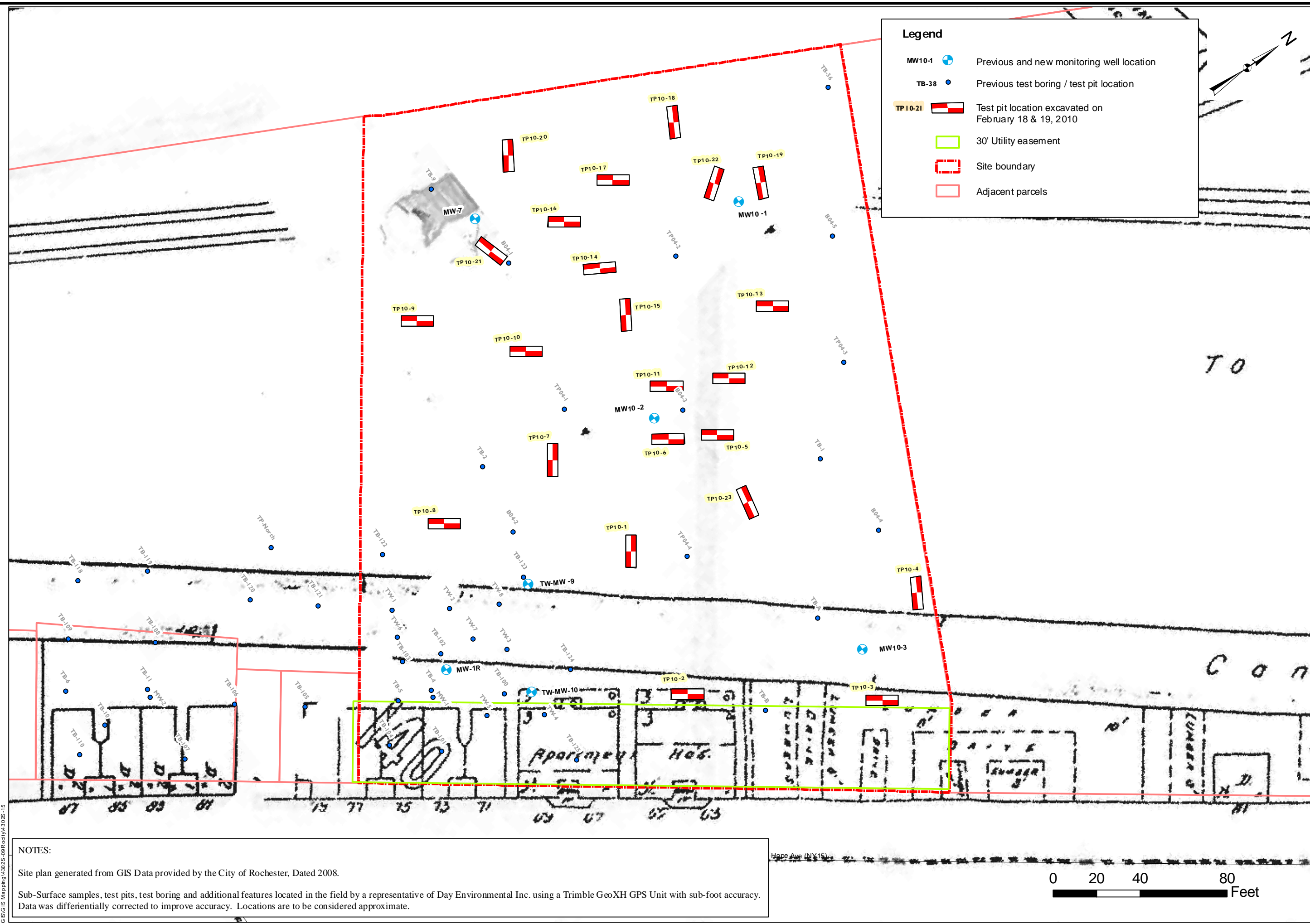
Sub-Surface samples, test pits, test boring and additional features located in the field by a representative of Day Environmental Inc. using a Trimble GeoXH GPS Unit with sub-foot accuracy. Data was differentially corrected to improve accuracy. Locations are to be considered approximate.



Project No.
 4302S-09

FIGURE 2

GISGIS Mapping 4302S-09Rochester4302S-13



Legend

- MW10-1 Previous and new monitoring well location
- TB-38 Previous test boring / test pit location
- TP10-21 Test pit location excavated on February 18 & 19, 2010
- 30' Utility easement
- Site boundary
- Adjacent parcels

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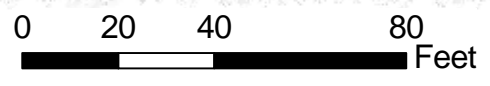
PRE-DEVELOPMENT ENVIRONMENTAL INVESTIGATION AND GEOTECHNICAL STUDY
 Drawing Title

Test Location Plan with 1892 Sanborn Overlay

NOTES:

Site plan generated from GIS Data provided by the City of Rochester, Dated 2008.

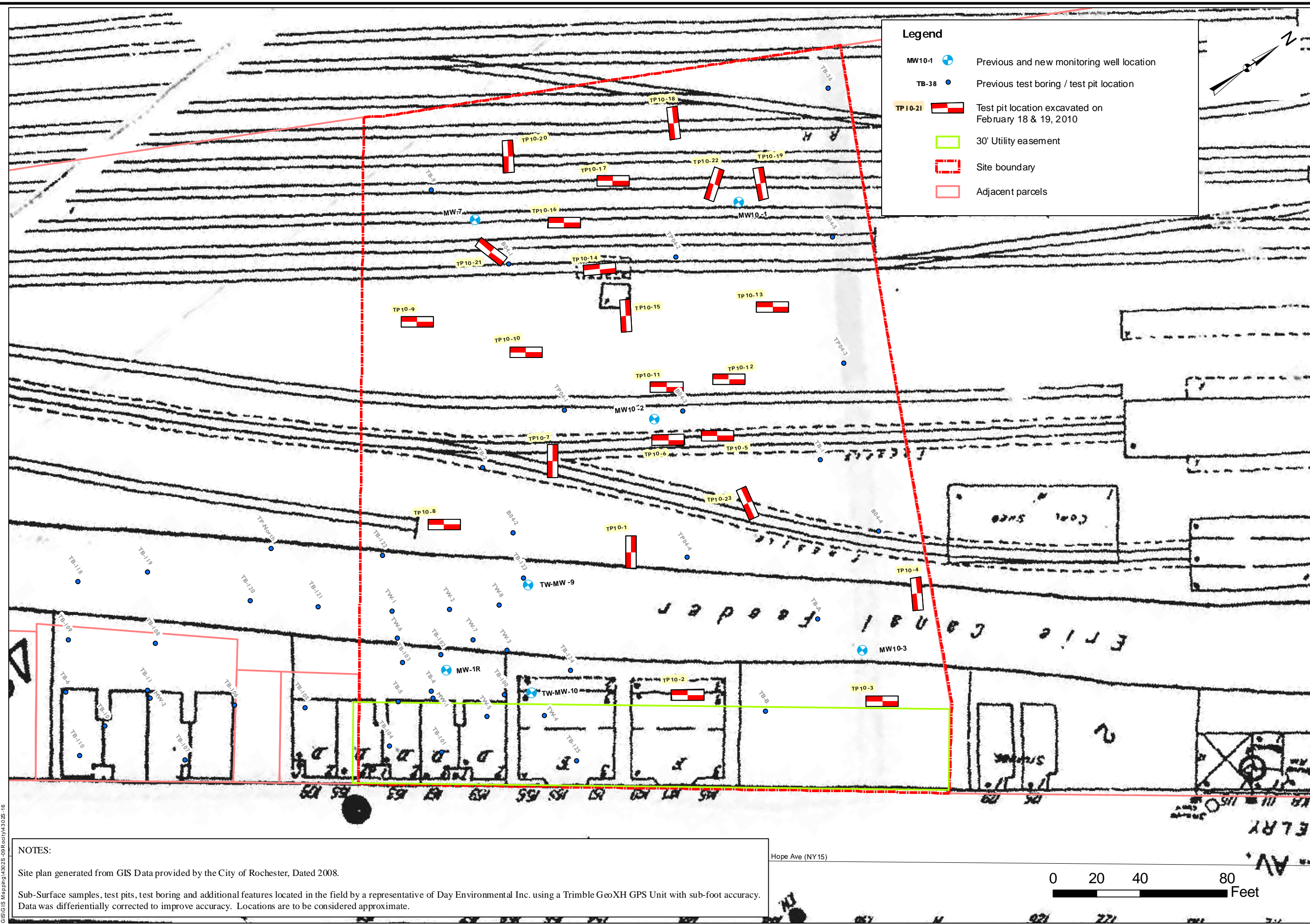
Sub-Surface samples, test pits, test boring and additional features located in the field by a representative of Day Environmental Inc. using a Trimble GeoXH GPS Unit with sub-foot accuracy. Data was differentially corrected to improve accuracy. Locations are to be considered approximate.



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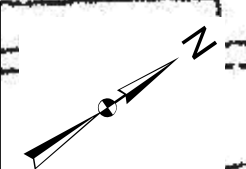
FIGURE 3

GISGIS Mapping 4302S-09Rochester4302S-15



Legend

- MW10-1 Previous and new monitoring well location
- TB-38 Previous test boring / test pit location
- TP 10-21 Test pit location excavated on February 18 & 19, 2010
- 30' Utility easement
- Site boundary
- Adjacent parcels



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 Drawing Title

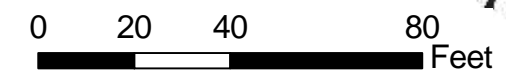
Test Location Plan with 1912 Sanborn Overlay

NOTES:

Site plan generated from GIS Data provided by the City of Rochester, Dated 2008.

Sub-Surface samples, test pits, test boring and additional features located in the field by a representative of Day Environmental Inc. using a Trimble GeoXH GPS Unit with sub-foot accuracy. Data was differentially corrected to improve accuracy. Locations are to be considered approximate.

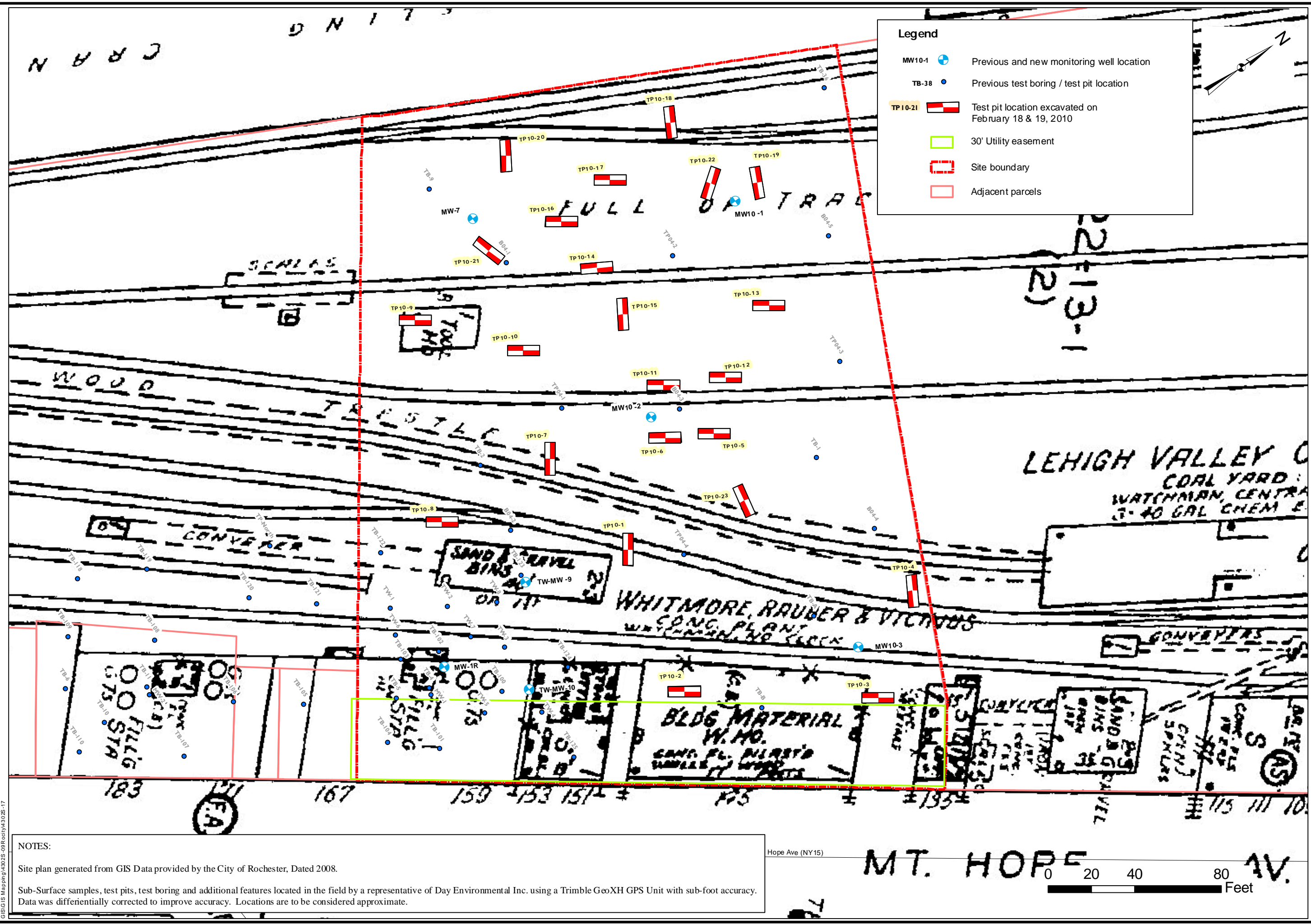
Hope Ave (NY15)



Project No.
 4302S-09

FIGURE 4

GISGIS Mapping 4302S-09Rochester4302S-16



Legend

- MW10-1 Previous and new monitoring well location
- TB-38 Previous test boring / test pit location
- TP10-21 Test pit location excavated on February 18 & 19, 2010
- 30' Utility easement
- Site boundary
- Adjacent parcels

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PRE-DEVELOPMENT ENVIRONMENTAL INVESTIGATION AND GEOTECHNICAL STUDY
 Drawing Title

Test Location Plan with 1938 Sanborn Overlay

NOTES:

Site plan generated from GIS Data provided by the City of Rochester, Dated 2008.

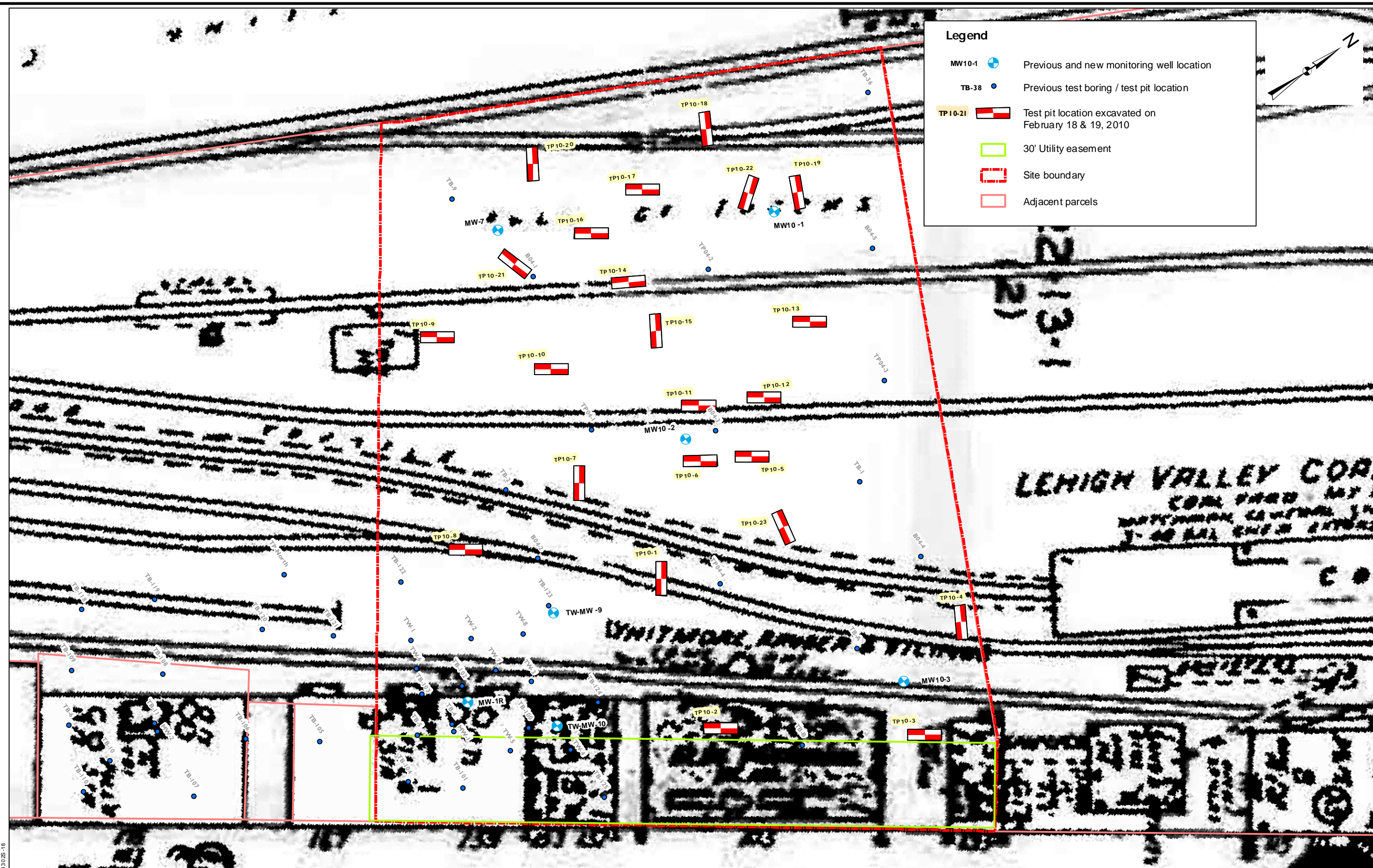
Sub-Surface samples, test pits, test boring and additional features located in the field by a representative of Day Environmental Inc. using a Trimble GeoXH GPS Unit with sub-foot accuracy. Data was differentially corrected to improve accuracy. Locations are to be considered approximate.

Hope Ave (NY15) **MT. HOPE AV.**

0 20 40 80 Feet

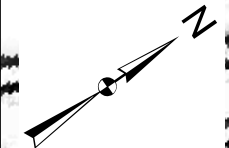
Project No.
 4302S-09
 FIGURE 5

GISGIS Mapping\4302S-09Rochester\4302S-17



Legend

- MW10-1 Previous and new monitoring well location
- TB-38 Previous test boring / test pit location
- TP10-21 Test pit location excavated on February 18 & 19, 2010
- 30' Utility easement
- Site boundary
- Adjacent parcels



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PRE-DEVELOPMENT ENVIRONMENTAL INVESTIGATION AND GEOTECHNICAL STUDY
 Drawing Title

Test Location Plan with 1950 Sanborn Overlay

NOTES:

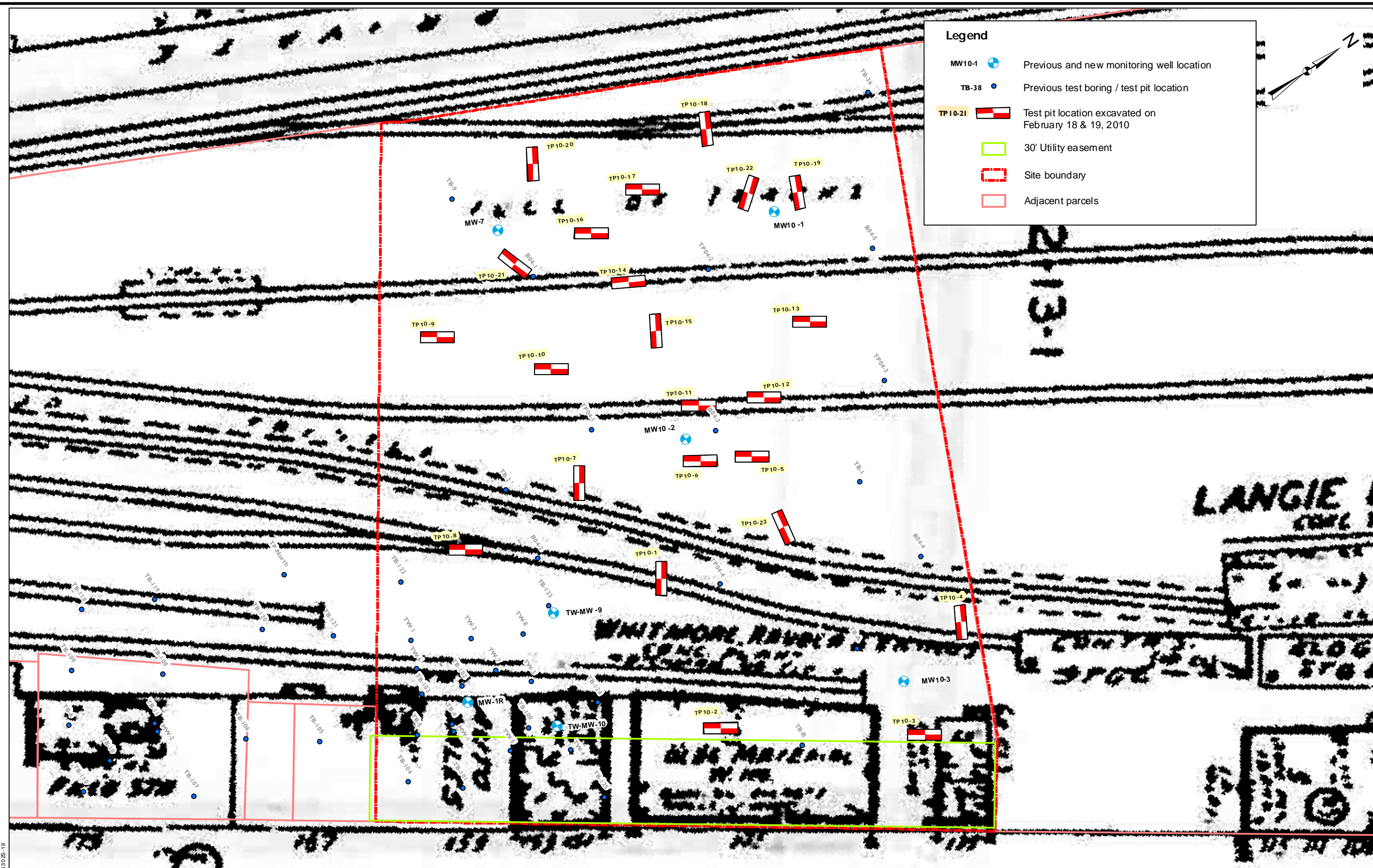
Site plan generated from GIS Data provided by the City of Rochester, Dated 2008.

Sub-Surface samples, test pits, test boring and additional features located in the field by a representative of Day Environmental Inc. using a Trimble GeoXH GPS Unit with sub-foot accuracy. Data was differentially corrected to improve accuracy. Locations are to be considered approximate.



Project No.
 4302S-09
 FIGURE 6

GISGIS Mapping\4302S-09Rochester\4302S-18



Legend

- MW10-1 Previous and new monitoring well location
- TB-38 Previous test boring / test pit location
- TP 10-21 Test pit location excavated on February 18 & 19, 2010
- 30' Utility easement
- Site boundary
- Adjacent parcels

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 Drawing Title

Test Location Plan with 1971 Sanborn Overlay

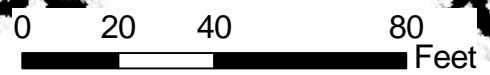
NOTES:

Site plan generated from GIS Data provided by the City of Rochester, Dated 2008.

Sub-Surface samples, test pits, test boring and additional features located in the field by a representative of Day Environmental Inc. using a Trimble GeoXH GPS Unit with sub-foot accuracy. Data was differentially corrected to improve accuracy. Locations are to be considered approximate.

Hope Ave (NY15)

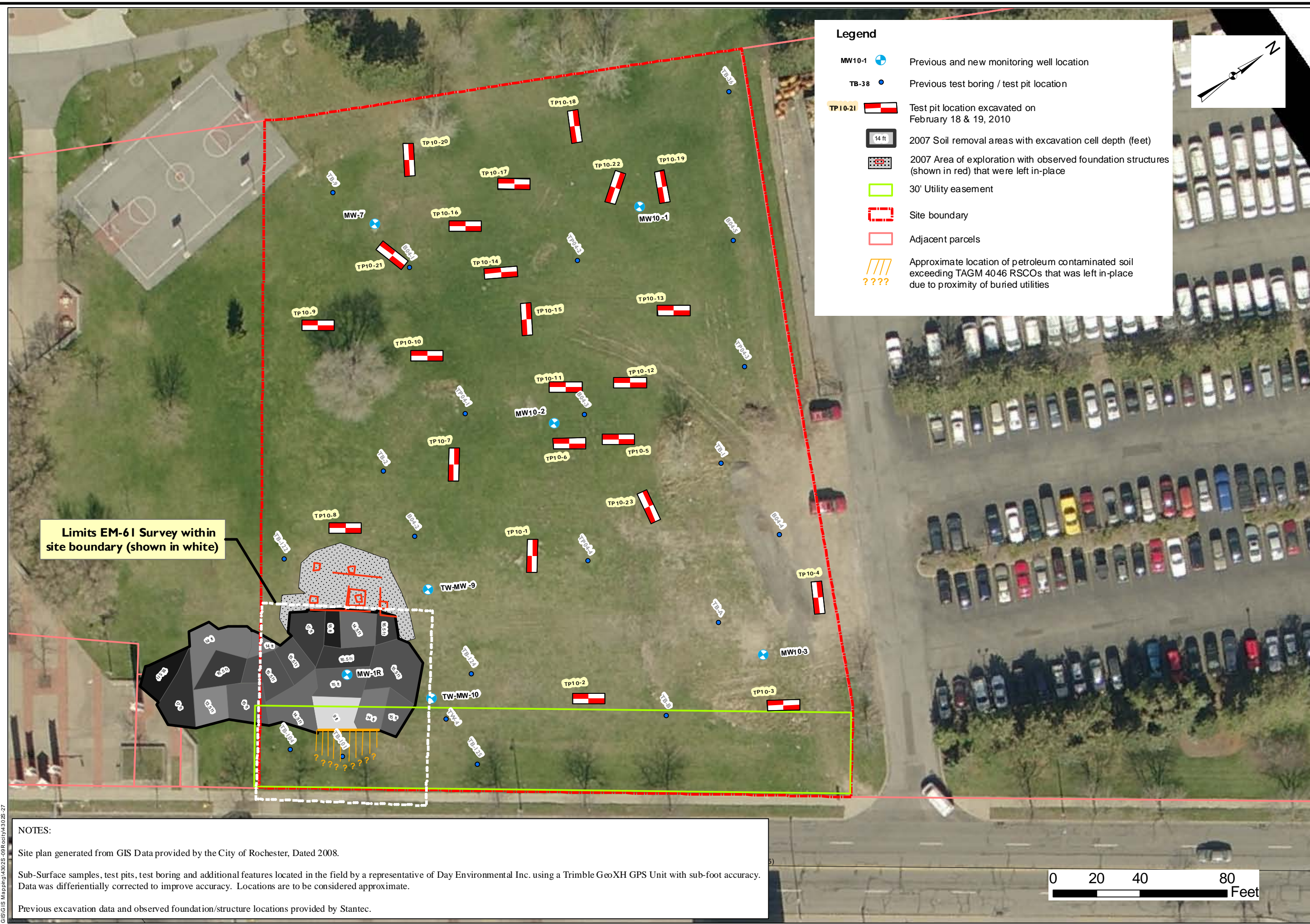
MT. HOPE



Project No.
 4302S-09

FIGURE 7

GISGIS Mapping\4302S-09Rochester\4302S-19



Legend

- MW10-1 Previous and new monitoring well location
- TB-38 Previous test boring / test pit location
- TP 10-21 Test pit location excavated on February 18 & 19, 2010
- 2007 Soil removal areas with excavation cell depth (feet)
- 2007 Area of exploration with observed foundation structures (shown in red) that were left in-place
- 30' Utility easement
- Site boundary
- Adjacent parcels
- Approximate location of petroleum contaminated soil exceeding TAGM 4046 RSCOs that was left in-place due to proximity of buried utilities

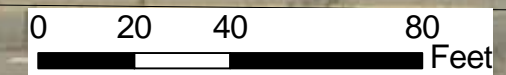
Limits EM-61 Survey within site boundary (shown in white)

NOTES:

Site plan generated from GIS Data provided by the City of Rochester, Dated 2008.

Sub-Surface samples, test pits, test boring and additional features located in the field by a representative of Day Environmental Inc. using a Trimble GeoXH GPS Unit with sub-foot accuracy. Data was differentially corrected to improve accuracy. Locations are to be considered approximate.

Previous excavation data and observed foundation/structure locations provided by Stantec.



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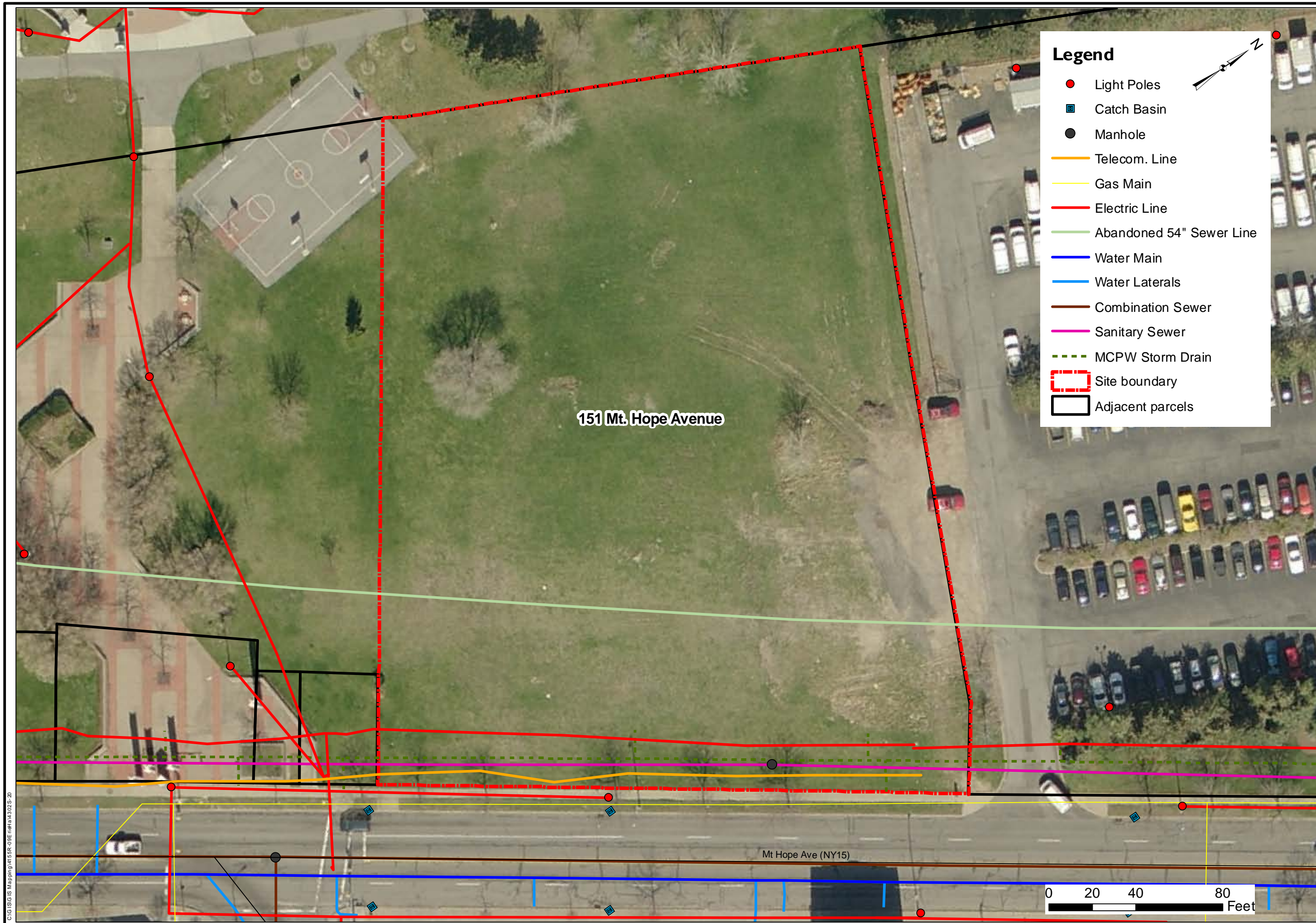
PRE-DEVELOPMENT ENVIRONMENTAL INVESTIGATION AND GEOTECHNICAL STUDY

Drawing Title
 Previous Environmental Work Plan

Project No.
 4302S-09

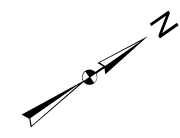
FIGURE 8

GIS/GIS Mapping/4302S-09/Rochester/4302S-27



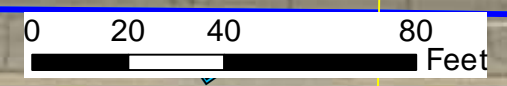
Legend

- Light Poles
- Catch Basin
- Manhole
- Telecom. Line
- Gas Main
- Electric Line
- Abandoned 54" Sewer Line
- Water Main
- Water Laterals
- Combination Sewer
- Sanitary Sewer
- - - MCPW Storm Drain
- Site boundary
- Adjacent parcels



151 Mt. Hope Avenue

Mt Hope Ave (NY15)



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Project Title
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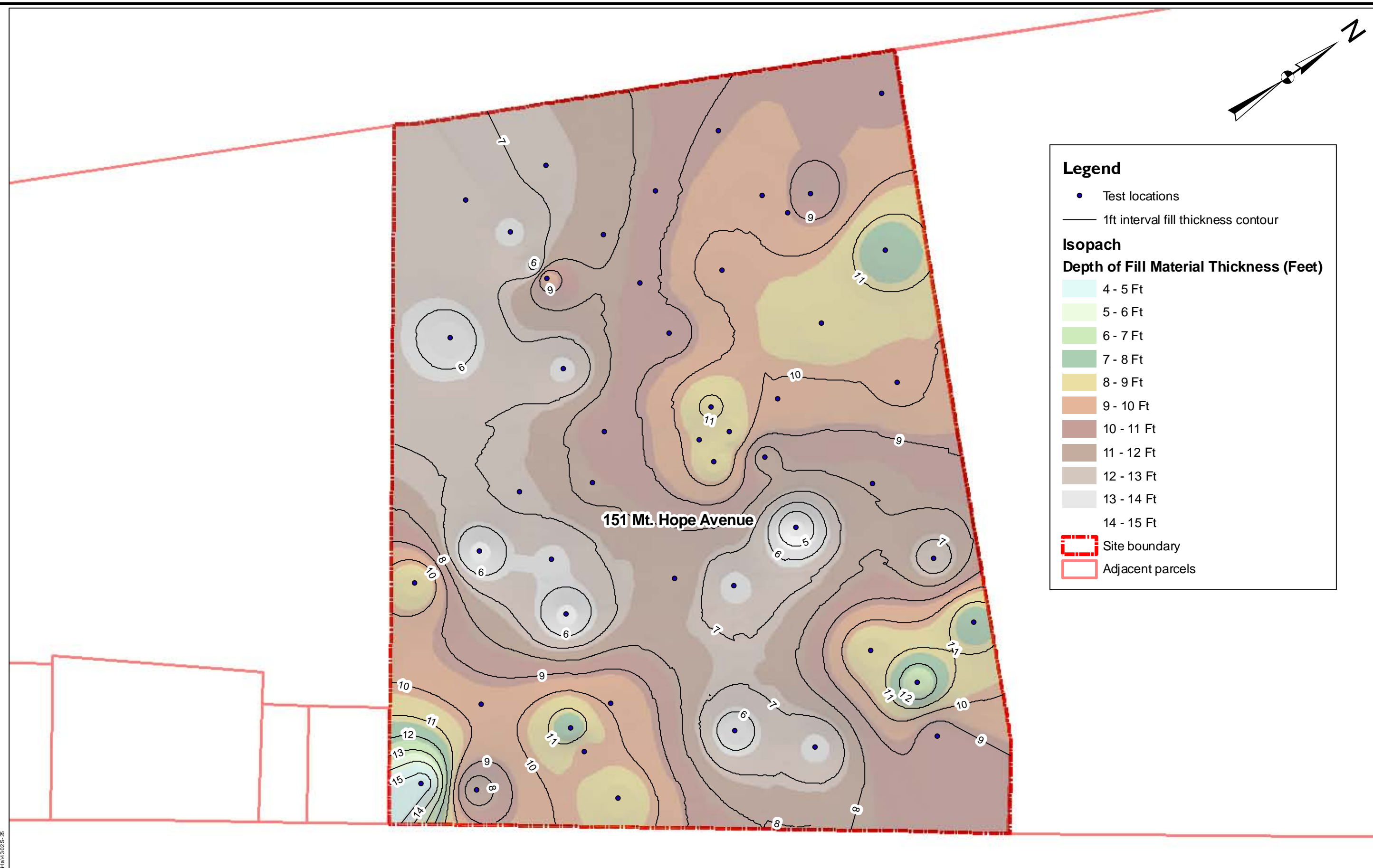
PRE-DEVELOPMENT ENVIRONMENTAL INVESTIGATION AND GEOTECHNICAL STUDY

Drawing Title
 Existing Utility Plan

Project No.
 4302S-09

FIGURE 9

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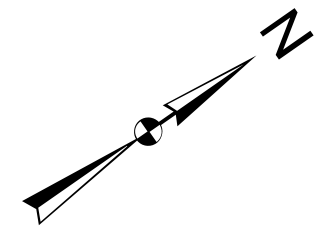
Legend

- Test locations
- 1ft interval fill thickness contour

Isopach
Depth of Fill Material Thickness (Feet)

4 - 5 Ft
5 - 6 Ft
6 - 7 Ft
7 - 8 Ft
8 - 9 Ft
9 - 10 Ft
10 - 11 Ft
11 - 12 Ft
12 - 13 Ft
13 - 14 Ft
14 - 15 Ft

- Site boundary
- Adjacent parcels



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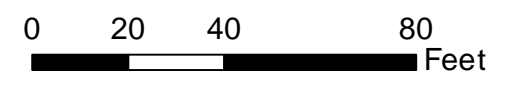
Project Title
**151 MT HOPE AVENUE
 ROCHESTER, NEW YORK**

PRE-DEVELOPMENT ENVIRONMENTAL INVESTIGATION AND GEOTECHNICAL STUDY
 Drawing Title
Existing Fill Material Thickness Isopach Map

NOTES:

Site plan generated from GIS Data provided by the City of Rochester, Dated 2008.

Sub-Surface samples, test pits, test boring and additional features located in the field by a representative of Day Environmental Inc. using a Trimble GeoXH GPS Unit with sub-foot accuracy. Data was differentially corrected to improve accuracy. Locations are to be considered approximate.



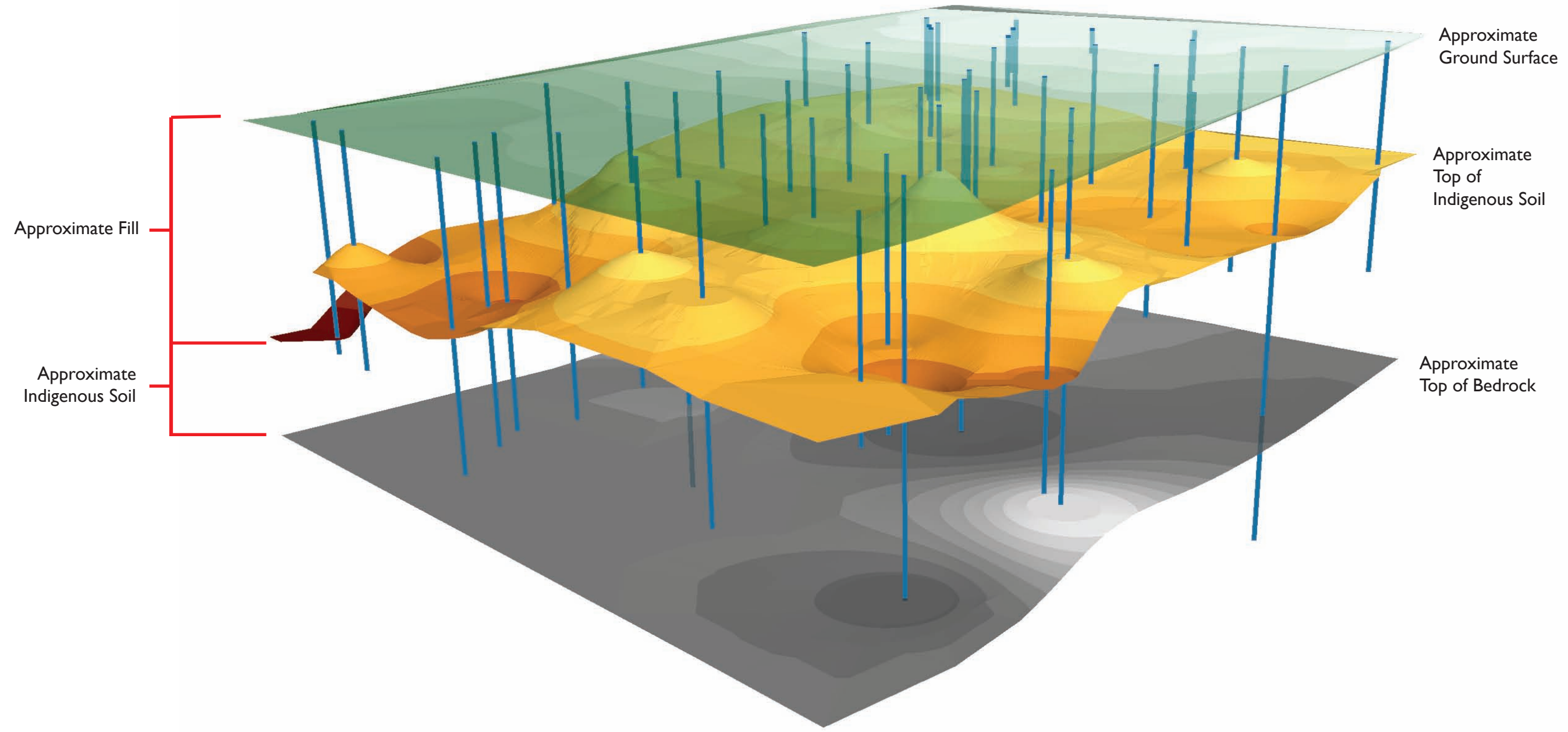
Project No.
4302S-09

FIGURE 10

C:\GIS\GIS Mapping\4302S-09\ER\4302S-09

ISOMETRIC VIEW OF EXISTING FILL MATERIAL

Approximate Fill Volume (From Surface to Soil) = 25,472 Cubic Yards



NOTES:

3D data generated by ArcGIS 3D Analyst using existing and historic data. The isometric view depicts a view of 151 Mt. Hope looking from the North East corner of the property. Approximate volume calculations determined using ArcGIS 3D Analyst using a Cut and Fill calculation to interpolate the approximate volume of fill. The volume calculation is to be considered approximate.

Drawing is vertically exaggerated by a factor of 5 in order to view the data more effectively. This does not have an effect on the volume or coordinates system of the data.

Sub-Surface samples, test pits, test boring and additional features located in the field by a representative of Day Environmental Inc. using a Trimble GeoXH GPS Unit with sub-foot accuracy. Data was differentially corrected to improve accuracy. Locations are to be considered approximate.

DRAWING NOT TO SCALE

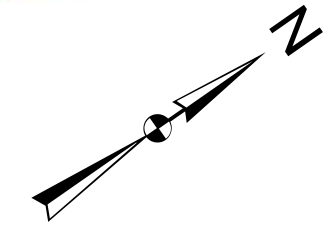
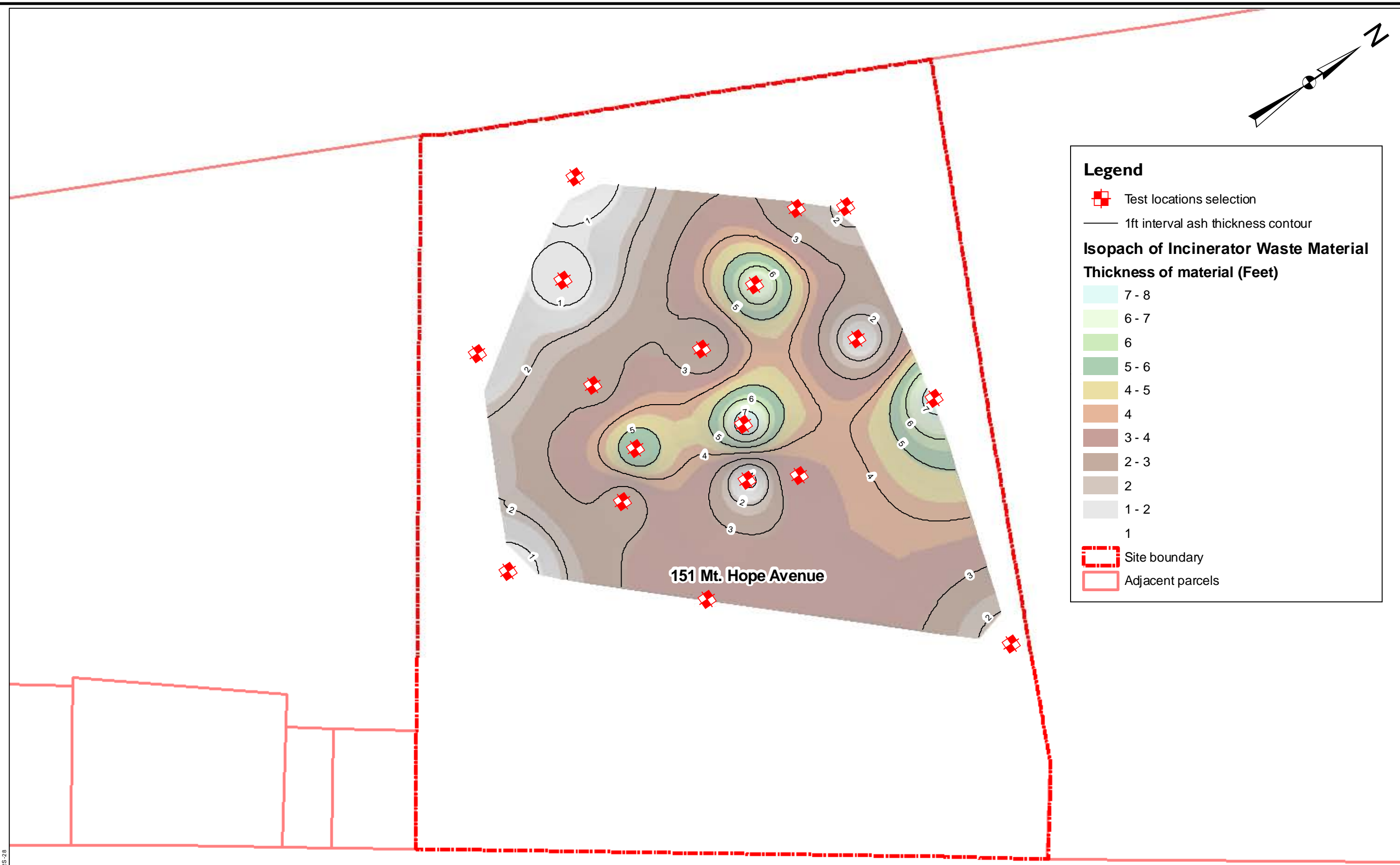
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Project Title	151 MT HOPE AVENUE ROCHESTER, NEW YORK
Drawing Title	PRE-DEVELOPMENT ENVIRONMENTAL INVESTIGATION AND GEOTECHNICAL STUDY
Project No.	4302S-09

FIGURE 11

C:\GIS\GIS Mapping\4156R-09\Environmental\Isometric View of Fill Copy.dwg



Legend

- Test locations selection
- 1ft interval ash thickness contour

Isopach of Incinerator Waste Material Thickness of material (Feet)

7 - 8
6 - 7
6
5 - 6
4 - 5
4
3 - 4
2 - 3
2
1 - 2
1

- Site boundary
- Adjacent parcels

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Project Title
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Project No.
4302S-09

Drawing Title
Existing Incinerator Waste Layer Thickness Isopach Map

NOTES:

Ash layer Isopach is based on select test pit observations where ash was observed. Actual area and thickness of ash layer is likely larger than shown.

Site plan generated from GIS Data provided by the City of Rochester, Dated 2008.

Sub-Surface samples, test pits, test boring and additional features located in the field by a representative of Day Environmental Inc. using a Trimble GeoXH GPS Unit with sub-foot accuracy. Data was differentially corrected to improve accuracy. Locations are to be considered approximate.

Hope Ave (NY15)

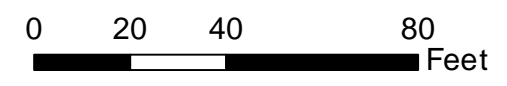
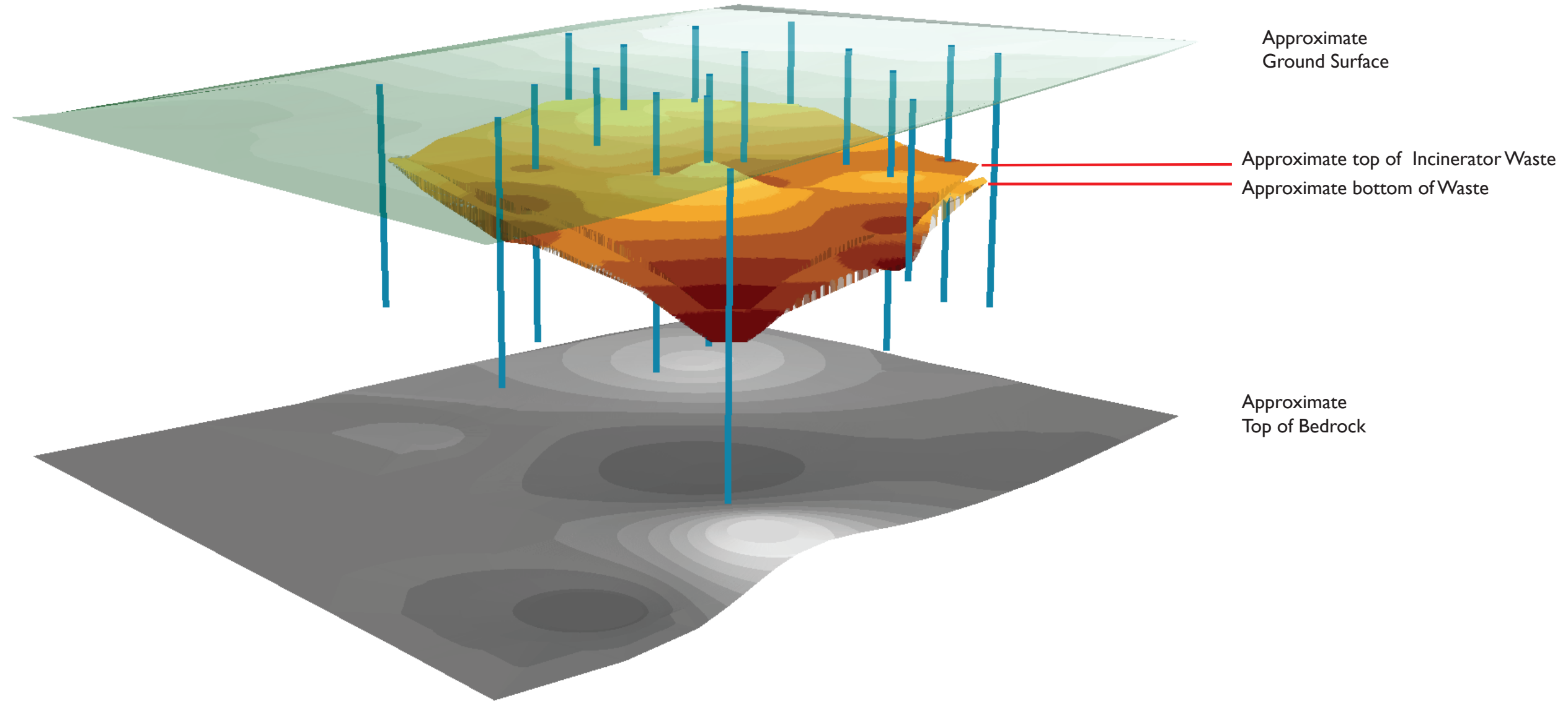
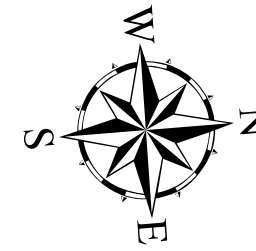


FIGURE 12

C:\GIS\GIS Mapping\4302S-09\04\08\04302S-28

ISOMETRIC VIEW OF EXISTING INCINERATOR WASTE LAYER

Approximate Incinerator Waste Volume = 3,726 Cubic Yards



NOTES:

Ash layer Isopach is based on select test pit observations where ash was observed. Actual area and thickness of ash layer is likely larger than shown.

3D data generated by ArcGIS 3D Analyst using existing and historic data. The isometric view depicts a view of 151 Mt. Hope looking from the North East corner of the property. Approximate volume calculations determined using ArcGIS 3D Analyst using a Cut and Fill calculation to interpolate the approximate volume of the incinerator waste layer. The volume calculation is to be considered approximate.

Drawing is vertically exaggerated by a factor of 5 in order to view the data more effectively. This does not have an effect on the volume or coordinates system of the data.

Sub-Surface samples, test pits, test boring and additional features located in the field by a representative of Day Environmental Inc. using a Trimble GeoXH GPS Unit with sub-foot accuracy. Data was differentially corrected to improve accuracy. Locations are to be considered approximate.

DRAWING NOT TO SCALE

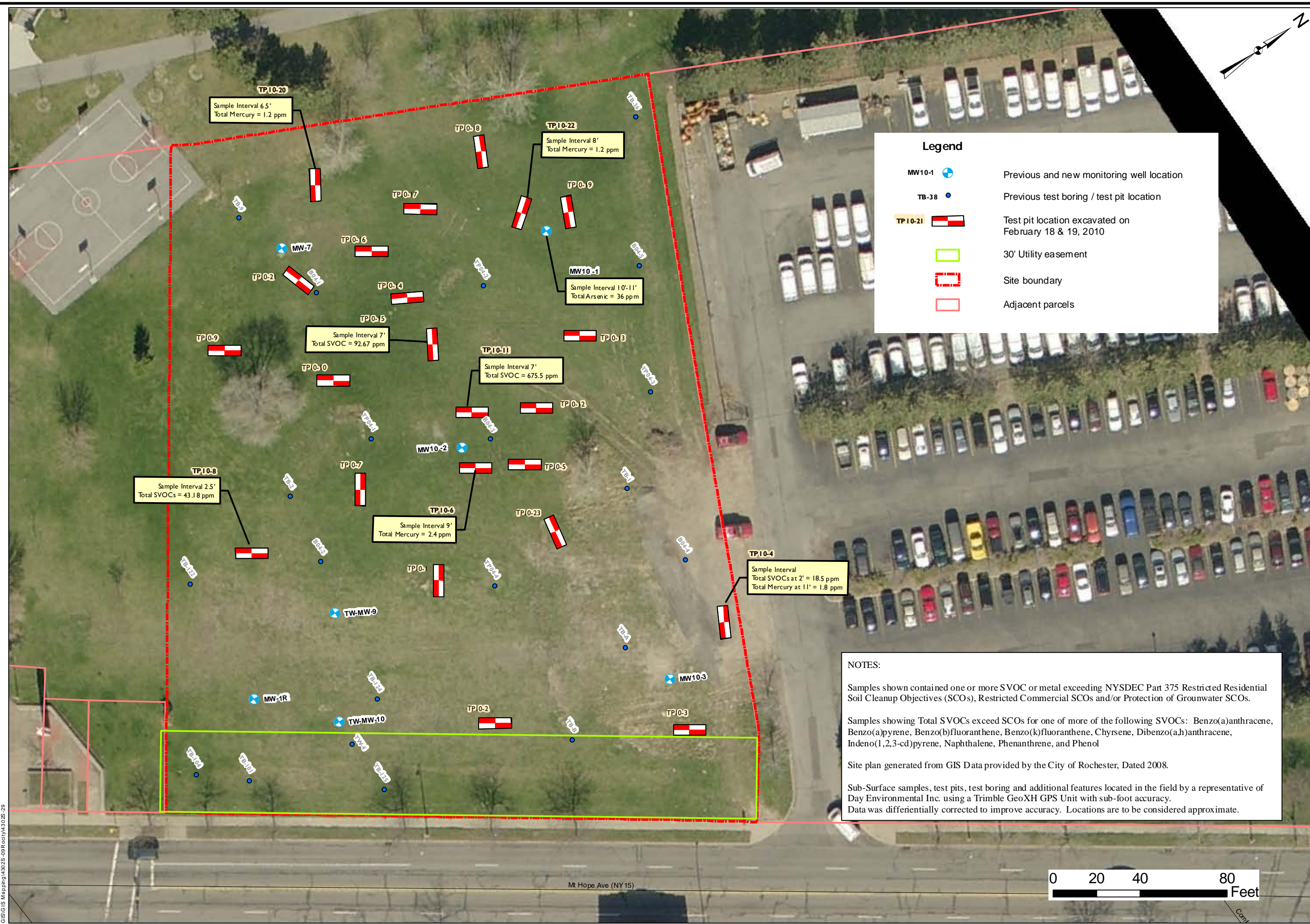
DESIGNED BY	JAD	DATE	06-28-2010
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SCALE	AS NOTED	DATE ISSUED	08-04-2010

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Project Title	151 MT HOPE AVENUE ROCHESTER, NEW YORK
Project No.	4302S-09
Drawing Title	Isometric View of Existing Incinerator Waste Layer

FIGURE 13

C:\GIS\GIS Mapping\1516R-09\Enthal\Isomview of Ashlayer.dwg



TP10-20
Sample Interval 6.5'
Total Mercury = 1.2 ppm

TP10-22
Sample Interval 8'
Total Mercury = 1.2 ppm

MW10-1
Sample Interval 10'-11'
Total Arsenic = 36 ppm

TP10-5
Sample Interval 7'
Total SVOC = 92.67 ppm

TP10-11
Sample Interval 7'
Total SVOC = 675.5 ppm

TP10-8
Sample Interval 2.5'
Total SVOCs = 43.18 ppm

TP10-6
Sample Interval 9'
Total Mercury = 2.4 ppm

TP10-4
Sample Interval
Total SVOCs at 2' = 18.5 ppm
Total Mercury at 11' = 1.8 ppm

Legend

- MW10-1 Previous and new monitoring well location
- TB-38 Previous test boring / test pit location
- TP10-21 Test pit location excavated on February 18 & 19, 2010
- 30' Utility easement
- Site boundary
- Adjacent parcels

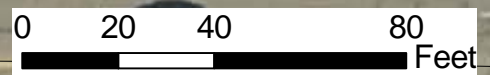
NOTES:

Samples shown contained one or more SVOC or metal exceeding NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives (SCOs), Restricted Commercial SCOs and/or Protection of Groundwater SCOs.

Samples showing Total SVOCs exceed SCOs for one or more of the following SVOCs: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, and Phenol

Site plan generated from GIS Data provided by the City of Rochester, Dated 2008.

Sub-Surface samples, test pits, test boring and additional features located in the field by a representative of Day Environmental Inc. using a Trimble GeoXH GPS Unit with sub-foot accuracy. Data was differentially corrected to improve accuracy. Locations are to be considered approximate.



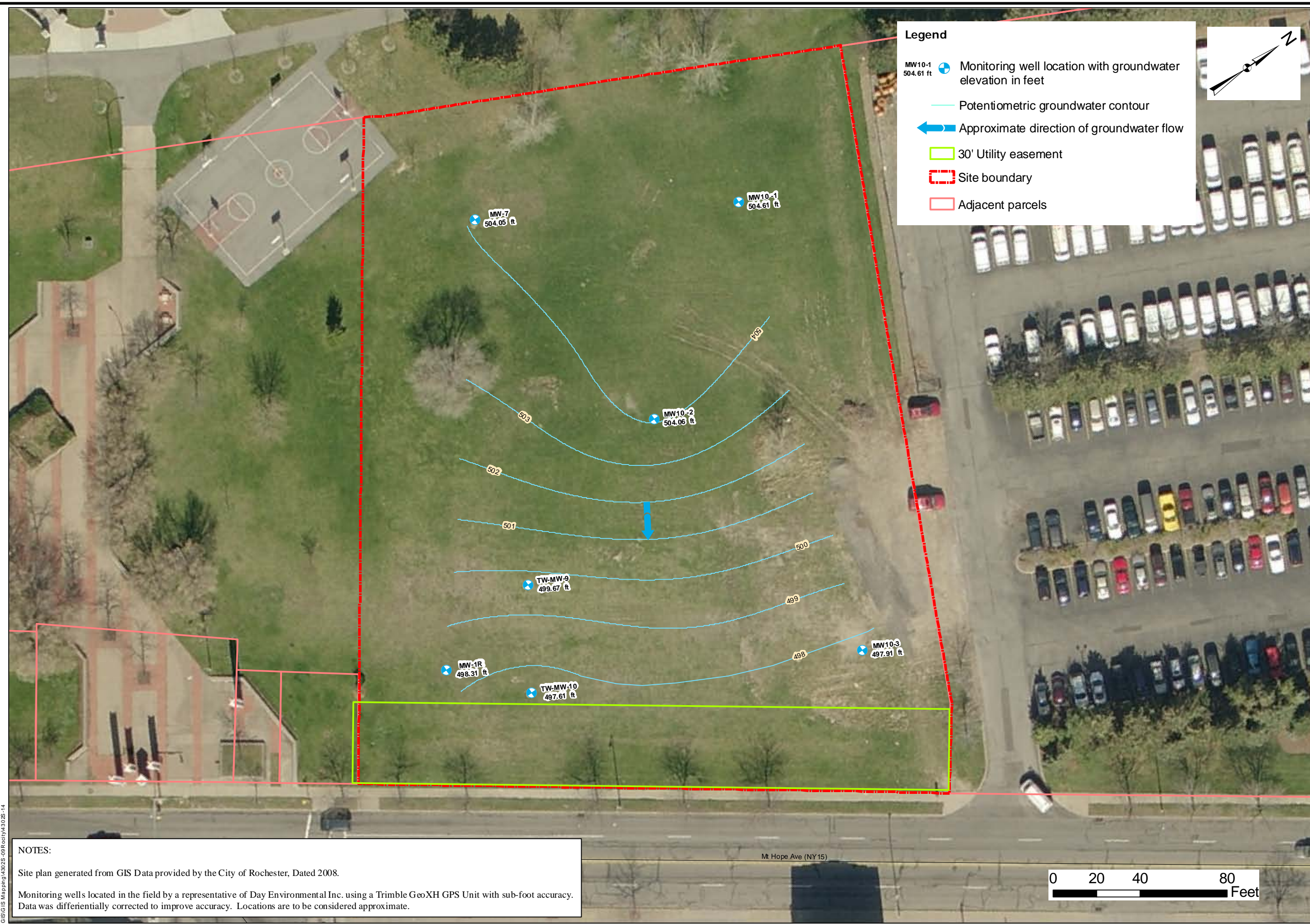
DESIGNED BY	JAD	DATE	05-13-2010
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 New York, New York 10016-0710

Project Title
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 ROCHESTER, NEW YORK
 PRE-DEVELOPMENT ENVIRONMENTAL INVESTIGATION AND GEOTECHNICAL STUDY
 Drawing Title
 Test Locations with Soil/Fill Samples Exceeding NYSDEC Part 375 SCOs for SVOCs and/or Metals

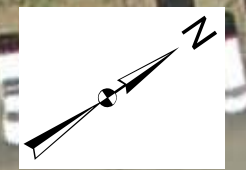
Project No.
 4302S-09
 FIGURE 14

GIS/IS Mapping 4302S-09Rochester4302S-29



Legend

- MW10-1 504.61 ft Monitoring well location with groundwater elevation in feet
- Potentiometric groundwater contour
- Approximate direction of groundwater flow
- 30' Utility easement
- Site boundary
- Adjacent parcels



DESIGNED BY	JAD	DATE	05-13-2010
DRAWN BY	CPS	DATE DRAWN	06-14-2010
SCALE	AS NOTED	DATE ISSUED	08-04-2010

day
DAY ENVIRONMENTAL, INC.
 Environmental Consultants
 Rochester, New York 14614-1008
 New York, New York 10016-0710

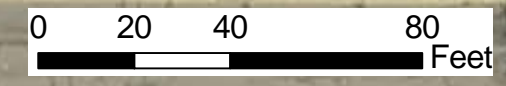
Project Title
 151 MT HOPE AVENUE
 ROCHESTER, NEW YORK

PRE-DEVELOPMENT ENVIRONMENTAL INVESTIGATION AND GEOTECHNICAL STUDY
 Drawing Title

Project No.
 4302S-09

Potentiometric Groundwater Contour Map for June 4, 2010

NOTES:
 Site plan generated from GIS Data provided by the City of Rochester, Dated 2008.
 Monitoring wells located in the field by a representative of Day Environmental Inc. using a Trimble GeoXH GPS Unit with sub-foot accuracy. Data was differentially corrected to improve accuracy. Locations are to be considered approximate.



GISGIS Mapping 4302S-09Rochester4302S-14

Mt Hope Ave (NY 15)

TABLES

Table 1

**151 Mt. Hope Avenue
Rochester, New York**

Analytical Laboratory Testing Program

Sample ID	Date Collected	Sample Matrix	Laboratory Analysis
TP10-1 (8.5')	2/19/2010	Soil	RCRA Metals
TP10-4 (2')	2/19/2010	Fill	TCL SVOC's, RCRA Metals
TP10-4 (11')	2/19/2010	Fill	TCL SVOC's, RCRA Metals
TP10-6 (3.5')	2/18/2010	Fill	TCL SVOC's, RCRA Metals
TP10-6 (5-5.8')	2/18/2010	Fill	TAL Metals
TP10-6 (9')	2/18/2010	Fill	TCL and STARS VOC's, TCL SVOC's, RCRA Metals
TP10-7 (6.5')	2/19/2010	Fill	RCRA Metals
TP10-8 (2.5')	2/19/2010	Fill	TCL SVOC's, RCRA Metals
TP10-11 (7')	2/18/2010	Fill	TCL and STARS VOC's, TCL SVOC's
TP10-13 (11')	2/18/2010	Fill	TCL and STARS VOC's, TCL SVOC's
TP10-15 (7')	2/18/2010	Fill	TCL and STARS VOC's, TCL SVOC's
TP10-20 (6.5')	2/18/2010	Fill	TCL SVOC's, TAL Metals
TP10-22 (8')	2/19/2010	Fill	TAL Metals
TP10-23 (8')	2/19/2010	Fill	TCL and STARS VOC's, TCL SVOC's
Trip Blank TB021910	2/19/2010	Water	TCL and STARS VOC's
MW10-1 (7'-8')	5/5/2010	Fill	RCRA Metals
MW10-1 (8.5'-10')	5/5/2010	Fill	TCL SVOC's
MW10-1 (10'-11')	5/5/2010	Fill/Soil	RCRA Metals
MW10-2 (5.5'-6')	5/5/2010	Fill	TCL and STARS VOC's
MW10-2 (8'-9.5')	5/5/2010	Fill	TCL SVOC's, RCRA Metals
MW10-3 (10'-12')	5/6/2010	Fill/Soil	TCL SVOC's, RCRA Metals
MW10-3 (13')	5/6/2010	Soil	RCRA Metals
Trip Blank TB050610	5/6/2010	Water	TCL and STARS VOC's
MW10-1	6/4/2010	Groundwater	TCL and STARS VOC's, TCL SVOC's, RCRA Metals
MW10-2	6/4/2010	Groundwater	TCL and STARS VOC's, TCL SVOC's, RCRA Metals
MW10-3	6/4/2010	Groundwater	TCL and STARS VOC's, TCL SVOC's, RCRA Metals
Trip Blank TB 6/4/10	6/4/2010	Water	TCL and STARS VOC's

STARS = Spill Technology and Remediation Series

TCL = Target Compound List

TAL Metals = Target Analyte List Metals by USEPA Method 6010/7470

RCRA Metals = Resource and Recovery Act Metals by USEPA Method 6010/7470

VOCs = Volatile Organic Compounds by USEPA Method 8260

SVOCs = Semi-Volatile Organic Compounds by USEPA Method 8270

Table 2

151 Mt. Hope Ave, Rochester, NY

Summary of Detected VOCs
Soil and Fill Samples

Constituent	CAS Number	A Protection of Groundwater SCO	B Restricted Residential Use SCO	C Restricted Commercial Use SCO	TP10-6 (9') 2/18/10		TP10-11 (7') 2/18/10		TP10-13 (11') 2/18/10		TP10-15 (7') 2/18/10		TP10-23 (8') 2/19/10		MW10-2 (5.5'-6') 05/05/10	
1,1,2-Trichloroethane	79-00-5	NA	NA	NA	0.22		U		U		U		U		U	
2-Hexanone	591-78-6	NA	NA	NA	0.35		U		U		U		U		U	
Acetone	67-64-1	0.05	100	500	0.082	A	0.04		0.021		0.026		0.02		U	
Chloroform`	67-66-3	0.37	49	350	U		U		U		U		U		0.0013	BJ
Isopropylbenzene	98-82-8	NA	NA	NA	U		0.0068	J	U		U		U		U	
Methylene chloride	75-09-2	0.05	100	500	0.0094	BJ	0.008	BJ	0.0029	BJ	0.0033	BJ	0.003	BJ	U	
n-Butylbenzene	104-51-8	12	100	500	0.059		0.031		U		U		U		U	
Naphthalene	91-20-3	12	100	500	0.02		0.13		0.0045	BJ	0.0059	B	0.0024	BJ	0.01	B
sec-Butylbenzene	135-98-8	11	100	500	0.094		0.027		U		U		U		U	
tert-Butylbenzene	98-06-6	5.9	100	500	0.042		0.005	J	U		U		U		U	
Toluene	108-88-3	0.7	100	500	U		0.0034	J	U		0.0015	J	U		U	
1,2,4-Trimethylbenzene	95-63-6	3.6	52	190	0.015	J	0.019		U		0.0021	J	U		U	
1,3,5-Trimethylbenzene	108-67-8	8.4	52	190	U		0.0045	J	U		U		U		U	
Xylene (mixed)	1330-20-7	1.6	100	500	0.006	J	0.019		U		0.0074		0.0017	J	U	
Total VOCs	NA	NA	NA	NA	0.8974	BJ	0.2937	BJ	0.0284	BJ	0.0462	BJ	0.0271	BJ	0.0113	BJ

Values are in milligrams per kilogram (mg/kg) or parts per million (ppm)

Soil Clean Up Objectives (SCOs) referenced in 6 NYCRR Part 375-6, Remedial Program Soil Cleanup Objectives, dated December 14, 2006

VOC = Volatile Organic Compound

B = Detected In Method Blank

J = Estimated Value

NA = Not Available

U = Not Detected

A = Exceeds Protection of Groundwater SCO

Table 3

151 Mt. Hope Ave, Rochester, NY

Summary Of Detected SVOCs
Soil and Fill Samples

Constituent	CAS Number	A Protection of Groundwater SCO	B Restricted Residential Use SCO	C Restricted Commercial Use SCO	TP10-4 (2') 2/19/10		TP10-4 (11') 2/19/10		TP10-6 (3.5') 2/18/10		TP10-6 (9') 2/18/10		TP10-8 (2.5') 2/19/10		TP10-11 (7') 2/18/10		TP10-13 (11') 2/18/10		TP10-15 (7') 2/18/10		TP10-20 (6.5') 2/18/10		TP10-23 (8') 2/19/10		MW10-1 (8.5'-10') 05/05/10		MW10-2 (8'-9.5') 05/05/10		MW10-3 (10'-12') 05/05/10	
					Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier	Value	Qualifier
Acenaphthene	83-32-9	98	100	500	0.092 J		0.33 J		0.055 J		U		0.18 J		19 D		U		1.8		U		U		U		0.8		U	
Acenaphthylene	208-96-8	107	100	500	0.14 J		U		0.095 J		U		2.1		3.2		0.082 J		0.63		U		U		U		0.59		U	
Anthracene	120-12-7	1,000	100	500	0.54		0.12 J		0.16 J		0.31 J		1.4		38 D		0.15 J		3.4		0.15 J		0.045 J		0.12 J		0.55		U	
Benzo(a)anthracene	56-55-3	1	1	5.6	1.8	AB	0.3 J		0.54		0.56		4.2	AB	49 D	ABC	0.38 J		6.2	ABC	0.42 J		0.094 J		0.27 J		0.75		0.078 J	
Benzo(a)pyrene	50-32-8	22	1	1	1.4	BC	0.28 J		0.41		0.47 J		4.3	BC	37 D	ABC	0.36 J		5.2	BC	0.34 J		0.075 J		0.14 J		0.35 J		0.055 J	
Benzo(b)fluoranthene	205-99-2	1.7	1	5.6	1.7	B	0.41 J		0.6		0.58		5.6	AB	44 D	ABC	0.44 J		6.2	ABC	0.43 J		0.086 J		0.19 J		0.5 J		0.083 J	
Benzo(g,h,i)perylene	191-24-2	1,000	100	500	0.84		0.22 J		0.24 J		0.27 J		2.9		15 D		0.2 J		3.1		0.2 J		0.049 J		U		0.084 J		U	
Benzo(k)fluoranthene	207-08-9	1.7	3.9	56	0.93		0.15 J		0.22 J		0.35 J		2.3	A	17 D	AB	0.18 J		2.9	A	0.18 J		0.05 J		0.091 J		0.22 J		U	
Carbazole	86-74-8	NA	NA	NA	0.12 J		U		0.056 J		U		0.27 J		13 D		0.049 J		1.4		U		U		U		U		U	
Chrysene	218-01-9	1	3.9	56	1.7	A	0.35 J		0.56		0.6		4.3	AB	44 D	AB	0.35 J		6.2	AB	0.41 J		0.087 J		0.23 J		0.61		0.087 J	
Dibenzo(a,h)anthracene	53-70-3	1,000	0.33	0.56	0.26 J		U		0.08 J		0.075 J		1.1	BC	6 DJ	BC	0.062 J		1.3	BC	0.056 J		U		U		U		U	
Dibenzofuran	132-64-9	210	59	350	0.051 J		U		0.093 J		U		0.13 J		20 D		0.048 J		1.4		U		U		U		0.89		U	
Fluoranthene	206-44-0	1,000	100	500	3.7		0.71		1.1		1.8		5.3		97 D		0.76		15 D		0.91		0.22 J		0.52		1.4		0.1 J	
Fluorene	86-73-7	386	100	500	0.11 J		0.089 J		0.075 J		U		0.18 J		28 D		0.069 J		1.8		0.066 J		U		0.063 J		2.1		U	
Indeno(1,2,3-cd)pyrene	193-39-5	8.2	0.5	5.6	0.78	B	0.19 J		0.22		0.26 J		2.7	B	15 D	ABC	0.19 J		2.8	B	0.17 J		0.054 J		U		0.17 J		U	
Naphthalene	91-20-3	12	100	500	U		U		0.18 J		U		0.33 J		24 D	A	U		2.9		U		U		U		0.38 J		U	
2-Methylnaphthalene	91-57-6	NA	NA	NA	0.04 J		U		0.25 J		U		0.19 J		6.2		U		2.1		U		U		U		0.28 J		U	
2-Methylphenol	95-48-7	NA	NA	NA	U		U		U		U		U		1.6		U		0.073 J		U		U		U		U		U	
4-Methylphenol	8001-28-3	NA	NA	NA	U		0.12 J		U		U		U		3.7		0.067 J		0.18 J		U		U		U		U		U	
Phenanthrene	85-01-8	1,000	100	500	1.6		0.41 J		0.61		0.5 J		1.1		110 D	B	0.44		14 D		0.62		0.11 J		0.37 J		2.5		0.069 J	
Phenol	108-95-2	0.33	100	500	U		U		U		U		U		1.8	A	U		0.091 J		U		U		U		U		U	
Pyrene	129-00-0	1,000	100	500	2.7		0.58		0.9		0.97		4.6		83 D		0.54		14 D		0.7		0.16 J		0.46		2.3		0.12 J	
Total SVOCs	NA	NA	NA	NA	18.503 J		4.259 J		6.444 J		6.745 J		43.18 J		675.5 DJ		4.367 J		92.674 DJ		4.652 J		1.03 J		2.454 J		14.474 J		0.592 J	

Values are in milligrams per kilogram (mg/kg) or parts per million (ppm)

Soil Cleanup Objectives (SCOs) referenced in 6 NYCRR Part 375-6, Remedial Program Soil Cleanup Objectives, dated December 14, 2006

SVOC = Semi-Volatile Organic Compound

B = Detected In Method Blank

D = Diluted Sample

J = Estimated Value

NA = Not Available

U = Not Detected

A = Exceeds Protection of Groundwater SCO

B = Exceeds Restricted Residential Use SCO

C = Exceeds Restricted Commercial Use SCO

Table 4

151 Mt. Hope Avenue, Rochester, NY

Summary of Metals
Soil and Fill Samples

Constituent	CAS Number	A Protection of Groundwater SCO	B Restricted Residential Use SCO	C Restricted Commercial Use SCO	TP10-1 (8.5') 2/19/10	TP10-4 (2') 2/19/10	TP10-4 (11') 2/19/10	TP10-6 (3.5') 2/18/10	TP10-6 (5-5.8') 2/18/10	TP10-6 (9') 2/18/10	TP10-7 (6.5') 2/19/10	TP10-8 (2.5') 2/19/10	TP10-20 (6.5') 2/18/10	TP10-22 (8') 2/19/10	MW10-1 (7'-8') 05/05/10	MW10-1 (10'-11') 05/05/10	MW10-2 (8'-9.5') 05/05/10	MW10-3 (10'-12') 05/05/10	MW10-3 (13') 05/05/10
Aluminum	7429-90-5	NA	NA	NA					5,200 B				5700 B	4,400 B					
Antimony	7440-36-0	NA	NA	NA					0.3 BJ				1.5 B	0.53 BJ					
Arsenic	7440-38-2	16	16	16	4.9	5.3	13	3.6	10	14	15	5.3	12	11	8.6	36 ABC	9.1	10	6.3
Barium	7440-39-3	820	400	400	110 B	88 B	150 B	34 B	57 B	120 B	96 B	31 B	140 B	120 B	85	120	88	260	97
Beryllium	7440-41-7	47	72	590					0.93 B				0.65 B	0.44 B					
Cadmium	7440-43-9	7.5	4.3	9.3	0.27 BJ	0.82 B	1.4 B	0.23 B	0.18 B	0.51 B	0.15 BJ	0.48 B	0.2 BJ	0.11 BJ	0.23 J	0.28 J	0.29	0.71	0.79
Calcium	7440-70-2	NA	NA	NA					6,200 B				19,000 B	12,000 B					
Chromium, trivalent	16065-83-1	NA	180	1,500	13 B	19 B	15 B	5.9 B	6.5 B	7.9 B	7.2 B	6.6 B	8.8 B	11 B	9	11	11	12	31
Cobalt	7440-48-4	NA	NA	NA					19 B				7 B	4.6 B					
Copper	7440-50-8	1,720	270	270					100 B				45 B	30 B					
Iron	7439-89-6	NA	NA	NA					11,000 B				9,100 B	5,200 B					
Lead	7439-92-1	450	400	1,000	47	130	260	44	260	320	120	64	310	260	290	110	270	26	110
Magnesium	7439-95-4	NA	NA	NA					2,100 B				4,900 B	920 B					
Manganese	7439-96-5	2,000	2,000	10,000					79				780	99					
Total Mercury	7439-97-6	0.73	1	2.8	0.09	0.28	1.8 AB	0.37	0.63	2.4 AB	0.26	0.31	1.2 AB	1.2 AB	0.55	0.32	0.27	U	0.27
Nickel	7440-02-0	130	310	310					23 B				10 B	9.7					
Potassium	9/7/7440	NA	NA	NA					460 B				680 B	450 B					
Selenium	7782-49-2	4	180	1,500	U	U	U	U	U	U	U	U	1.1 J	1.7 J	2.2	U	1.3	1.2	5.6
Silver	7440-22-4	8.3	180	1,500	U	U	U	U	U	U	U	U	U	U	U	U	U	U	2.9
Sodium	7440-23-5	NA	NA	NA					130 B				180 B	210 B					
Thallium	7440-28-0	NA	NA	NA					U				U	U					
Vanadium	7440-62-2	NA	NA	NA					17 B				19 B	26 B					
Zinc	7440-66-6	2,480	10,000	10,000					120 B				150 B	72 B					

Values are in milligrams per kilogram (mg/kg) or parts per million (ppm)

Soil Cleanup Objectives (SCOs) referenced in 6 NYCRR Part 375-6, Remedial Program Soil Cleanup Objectives, dated December 14, 2006

B = Trace Concentration Below Reporting Limit And Equal To Or Above Detection Limit

J - Estimated Value

NA = Not Available

U = Not Detected

A = Exceeds Protection of Groundwater SCO

B = Exceeds Restricted Residential Use SCO

C = Exceeds Restricted Commercial Use SCO

Table 5

**151 Mt. Hope Avenue
Rochester, NY**

Groundwater Elevation Data for June 4, 2010

WELL ID	TOP OF PVC RISER ELEVATION (FT) ⁽¹⁾	STATIC WATER LEVEL (FT) ⁽²⁾	GROUNDWATER ELEVATION (FT)
MW10-1	516.87	12.26	504.61
MW10-2	515.41	11.35	504.06
MW10-3	514.32	16.41	497.91
MW-1R	513.06	14.75	498.31
MW-7	516.54	12.49	504.05
TWMW-09	513.88	14.21	499.67
TWMW-10	513.35	15.74	497.61

Note: SWL measurements collected using a Heron H01.L oil/water interface probe. Evidence of non-aqueous phase liquid not detected.

(1) = datum provided/surveyed by the City of Rochester as referenced on the Department of Environmental Services, Bureau of Engineering Services, Office of Maps and Surveys, FB 1887, PG 14

(2) = Data from top of PVC riser.

Table 6

151 Mt. Hope Ave, Rochester, NY

Summary of VOCs
Groundwater Samples

	MW10-1 6/4/10	MW10-2 6/4/10	MW10-3 6/4/10
Total VOCs	U	U	U

Laboratory Detection limits for STARS and TCL VOCs reported at 5 ug/l or part per billion

U = Not Detected

VOCs = Volatile Organic Compounds

Table 7

151 Mt. Hope Ave, Rochester, NY

Summary of Detected SVOCs
Groundwater Samples

DETECTED SVOCs	TOGS 1.1.1 Groundwater Standards or Guidance Values ¹	MW10-1 6/4/10	MW10-2 6/4/10	MW10-3 6/4/10
Acenaphthene	20	U	1.7 J	U
Fluorene	50	U	1.5 J	U
Total SVOCs	NA	U	3.2 J	U

Values are in micrograms per Liter (ug/L) or parts per billion (ppb)

1 = Ambient Water Quality Standards and Guidance Values referenced in the Division of Water Technical and Operation Guidance Series (TOGS) 1.1.1

SVOC = Semi-Volatile Organic Compound

J = Estimated Value

NA = Not Available

U = Not Detected

Table 8

151 Mt. Hope Avenue, Rochester, NY

Summary of Detected Metals
Groundwater Samples

METALS	TOGS 1.1.1 Groundwater Standards or Guidance Values ¹	MW10-1 6/4/10		MW10-2 6/4/10		MW10-3 6/4/10	
Arsenic	25	U		U		U	
Barium	1000	150	J	210		38	J
Cadmium	5	U		U		U	
Chromium, trivalent	50	U		U		U	
Lead	25	U		U		U	
Total Mercury	0.7	U		U		U	
Selenium	10	U		U		U	
Silver	50	U		U		U	

Values are in micrograms per Liter (ug/L) or parts per billion (ppb)

1 = Ambient Water Quality Standards and Guidance Values referenced in the Division of Water Technical and Operation Guidance Series (TOGS) 1.1.1

J - Estimated Value

U = Not Detected

APPENDIX A

**City of Rochester New York
Developer's Guide**

City of Rochester New York Developers Guide

INTRODUCTION: The Development Process

Clean air, pure water, unpolluted land, accessible streets, and safe, sound and attractive buildings are among the expectations of the people of Rochester. Residents recognize that development and rehabilitation projects are both necessary and desirable. To meet these goals, the City encourages and assists prospective developers and enforces environmental, zoning and construction standards. This document describes permits required and review processes most frequently involved with major construction and rehabilitation projects in the City of Rochester. The document is organized by department and agency, with the permits and reviews each administers, listed and explained. The City has simplified its development review and approval process by creating a Centralized Permit Office located in Room 121B of City Hall. In this one location, a developer may apply for a variety of permits, thus reducing the number of offices to be visited.

Included in this document is a flowchart which graphically represents the overall review process from beginning to end. To expedite this process, all steps on the same horizontal level should be completed simultaneously. Referring to the chart, all areas (except STATE & COUNTY ENVIRONMENTAL REVIEWS) make use of the Central Permit Office and applications for each step of the process may be obtained there. A department directory appears at the end of this document. You can use either the chart or the table of contents below to follow the development process with the City of Rochester.

For information on development possibilities, contact the Department of Economic Development (industrial) at (585) 428-6965 or the Bureau of Buildings and Zoning at (585) 428-6526.

DEVELOPMENT PROCESS IN THE CITY OF ROCHESTER, NEW YORK

<p>OPTIONAL DEVELOPMENT CONFERENCE WITH BUREAU AND AGENCY REPRESENTATIVES</p>		
<p>APPLICATION FOR CERTIFICATE OF ZONING COMPLIANCE</p>		
<p>STATE & COUNTY ENVIRONMENTAL REVIEW Monroe County Pure Waters Monroe County Department of Health NYS Department of Environmental Conservation</p>	<p>CITY ZONING AND ENVIRONMENTAL REVIEWS Division of Zoning</p>	
<p>ISSUANCE OF CERTIFICATE OF ZONING COMPLIANCE</p>		
<p>BUILDING AND CONSTRUCTION REVIEWS</p>		
<p>DEPARTMENT OF COMMUNITY DEVELOPMENT Building Code Review Plumbing Code Review Electrical Permits Elevator Permits</p>	<p>DEPARTMENT OF ENVIRONMENTAL SERVICES Engineering Services Permits</p>	<p>FIRE DEPARTMENT Fire Safety Division</p>
<p>ISSUANCE OF BUILDING PERMIT</p>		
<p>INSPECTION OF CONSTRUCTION & ISSUANCE OF CERTIFICATE OF OCCUPANCY BY THE BUILDING INSPECTION DIVISION</p>		

DEVELOPER'S GUIDE TABLE OF CONTENTS

Introduction: The Development Process Flowchart

ZONING AND ENVIRONMENTAL REVIEWS

- Bureau of Buildings and Zoning/Division of Zoning
 - Certificate of Zoning Compliance
 - Site Plan Review
 - Zoning Variance
 - Rezoning (Zoning Map Amendment)
 - Special Permits
 - Certificate of Appropriateness
 - Subdivisions
 - Official Map Amendments
 - Environmental Assessment
- Monroe County Pure Waters
- Monroe County Department of Health
- NYS Department of Environmental Conservation (DEC)
- NYS Department of Health

BUILDING CONSTRUCTION

- Department of Environmental Services (DES)
 - New Streets
 - Street Opening Permits
 - Stake Outs
 - Excavation Permits
 - Other Permits
- Department of Community Development, Plan Review and Inspection Division
 - Building Permits
 - Plumbing Permits
 - Electrical Permits
 - Fire Safety Permits
 - Elevator Permits
 - Demolition Permits
 - Certificate of Occupancy

ZONING AND ENVIRONMENTAL REVIEWS

Department of Community Development Bureau of Buildings and Zoning/Division of Zoning Room 125B, City Hall (585) 428-7043

Certificate of Zoning Compliance (Zoning Code: Section 120-189)

Prior to applying for building permits, the developer submits plans and completes an application for a Certificate of Zoning Compliance (CZC). If the project complies with all zoning standards, the application is approved and the developer may then proceed with application for building and construction permits. If the application is denied, the developer may choose to revise the plans or pursue one or more of the following special processes: site plan review, variance, special permit, certificate of appropriateness, etc. Most of these processes would require the filing of an Environmental Assessment Form (EAF).

Site Plan Review (Zoning Code: Section 120-191D)

Site Plan Review is the examination of the design elements of development proposals to ensure that a project does not adversely affect the site or adjacent properties. It is also a vehicle to assist applicants by alerting them to any deficiencies which should be corrected prior to development. Most major projects are subject to this review. Typically, the process requires submission of detailed site plans, landscape plans, building elevations, an Environmental Assessment Form and possible other information about the project, as required by the Director of Zoning.

If a proposal requires site plan review as well as another zoning special process such as a variance, special permit or Certificate of Appropriateness, the site plan review process precedes the public process. The Director of Zoning must issue Preliminary Site Plan Findings and Notice of Environmental Determination prior to the application for the special process.

The preliminary findings identify zoning requirements, project deficiencies and recommended modifications. These findings will accompany the required special process application for the Boards/Commission's review. The Final Site Plan Decision will incorporate any Board/Commission conditions.

Zoning Variance (Zoning Code, Section 120-195B)

A variance is a procedure by which waivers of certain requirements of the Zoning Code are considered by the Zoning Board of Appeals. There are two types of variances: use variance and area variance.

The application should include floor plans, site plan, elevations and a copy of the preliminary site plan findings as issued by the Director of Zoning when site plan review is required. After plans and applications are submitted, the Zoning Board conducts a public hearing at which the applicant's attendance is required. The Board then votes to grant or deny the variance. A decision letter will be issued within ten (10) days of the Board's determination. Due to public notification requirements, the applicant should allow 6 - 8 weeks from the date the application is filed for the Board's decision. If the project requires site plan review, the applicant must wait for the Final Site Plan Approval letter issued by the Director of Zoning. The applicant must post a sign provided by the City, at least twenty (20) days prior to the meeting date.

Rezoning (Zoning Map Amendment) (Zoning Code: Section 120-190C)

This process involves a revision of an area's zoning classification and requires City Council approval.

After the application is submitted, the City Planning Commission holds a public informational meeting, at which the applicant's presence is required. The Commission then makes a recommendation to City Council. City Council conducts a public hearing and votes on the proposal to amend the Zoning Map. The applicant should allow 10-12 weeks for the entire process. The applicant must post a sign provided by the City, at least twenty (20) days prior to the meeting date.

Special Permits (Zoning Code: Section 120-192B)

For certain permissible uses which may have a special impact, the developer must obtain a special permit. A site plan review is required for every special permit application. The application typically includes site plans, floor plans, landscape plans, building elevations, an Environmental Assessment Form and a copy of the Preliminary Site Plan Findings issued by the Director of Zoning. After the plans and a completed application are submitted, the City Planning Commission conducts a public hearing which the applicant or designated representative must attend. Subsequent to the public hearing the Planning Commission makes a decision. A decision letter will be issued within one (1) week of the Planning Commission's determination. Due to the public notification requirements, the applicant should allow 6 - 8 weeks for the entire process. If the project requires site plan review, the applicant must wait for the Final Site Plan Approval letter issued by the Director of Zoning. The applicant must post a sign provided by the City, at least twenty (20) days prior to the meeting date.

Certificate of Appropriateness (Zoning Code: Section 120-194A)

If the project will involve exterior work on a Landmark or on property within a Preservation District, a Certificate of Appropriateness must be approved by the Rochester Preservation Board.

A typical application includes site plans, floor plans, landscape plans, building elevations, material samples, color charts, photographs and possibly a completed Environment Assessment Form. After submission of the plans and application, the Board holds a public hearing which the applicant or designated representative must attend. The Board usually makes its decisions within 4 - 5 weeks of the date the application is submitted unless the Board requests additional information pertaining to the application. If the project requires site plan review, the applicant must wait for the Final Site Plan Approval letter issued by the Director of Zoning. The applicant must post a sign provided by the City, at least twenty (20) days prior to the meeting date.

Subdivisions (Land Subdivision Regulations - Chapter 128 of the Municipal Code)

Some projects which involve the conveyance of land or the use of more than one (1) lot, must be reviewed as a subdivision or resubdivision and be approved by either the City Planning Commission or the Director of Zoning. Site plan review is required for every subdivision application.

There are three types of subdivisions: exempt subdivision, subdivision and resubdivision.

Exempt Subdivision - A subdivision of fewer than five (5) lots with the Director of Zoning having approval authority. Lots must have street frontage and access to qualify.

Resubdivision - Revision of an existing filed plat (map) including subdivisions and minor transfer of land. A minor transfer of land is the procedure by which two (2) or more lots are combined or lot lines are altered such that it does not result in an increase in the number of lots.

Subdivision - Procedure by which one (1) or more lots is divided, thereby increasing the total number of lots. The City Planning Commission has approval authority of subdivisions of five (5) or more lots and other non-exempt subdivisions.

If the project creates one (1) or more new tax accounts or lots, the applicant must submit a subdivision or re-subdivision map (scaled to not less than two (2) inches equaling one (1) mile) prepared by a licensed surveyor. If five (5) or more lots are created, an Environmental Assessment Form must be submitted.

Certification of approval by the Monroe County Department of Health must also be submitted in the case of realty subdivisions created as defined pursuant to Article III of the Monroe County Sanitary Code. In order to receive approval by Monroe County Department of Health, an applicant must show methods of obtaining and furnishing adequate and satisfactory water supply and sewage facilities to the subdivision. The applicant must also supply information regarding the nature and condition of the soil to absorb sewage, the depth to ground water and bedrock, the topography of the land, and the arrangements for proper drainage and disposal of surface water. Applicants should contact the Monroe County Department of Health directly for a complete set of requirements for approval. Prepaid tax certificates from the County and City are required as part of the submission.

The applicant should allow 6 - 8 weeks following submittal of a complete subdivision application for the processing of a case requiring a hearing. If no hearing is necessary, a decision should be available in 1 - 3 weeks.

Official Map Amendment (Zoning Code: Section 115-37)

The Official Map is a subsidiary part of the Comprehensive Plan and indicates the location and width of streets and the location of parks as laid out and adopted. An amendment to the Official Map may be initiated by filing a completed application with the Division of Zoning, which coordinates a review process involving several agencies, and schedules a City Planning Commission informational meeting. Typical examples of Official Map Amendments include street dedications and abandonments, right-of-way changes, street naming and dedication of city parks.

Amendments to the Official Map can be made only by City Council by the adoption of an ordinance after a Public Hearing. The City Planning Commission makes a recommendation to the City Council on all Official Map Amendment applications. The applicant should allow 10 -12 weeks for the entire process.

Environmental Assessment (New York State Environmental Quality Review (SEQR) Act and Chapter 48 of the Municipal Code)

The decision making body (i.e. Director of Zoning, Zoning Board, Planning Commission, Preservation Board, etc.) has the responsibility for making determinations and administering the local environmental Code as well as SEQR Act of New York. Most projects require Environmental Review.

The first step is completion of an Environmental Assessment Form (EAF) by the applicant. On the basis of the EAF, an environmental assessment is prepared: this is reviewed by the decision making body. If the decision making body determines that the project will not have a significant environmental impact, a Determination of Environmental non-significance is issued and the remaining project reviews continue (i.e. variance, special permit, Certificate of Appropriateness, etc.)

If the decision making body determines that the project may significantly and adversely affect the environment, an Environmental Impact Statement (EIS) is required. The developer prepares and submits a "Draft EIS" following a Public Hearing, the "Final EIS" is prepared. This is used by the decision making body in making its final decision. The EIS process, if applicable, takes a minimum of 12 - 16 weeks.

Monroe County Pure Waters

350 E. Henrietta Road (585) 274-7838

Rochester Pure Waters District Permit

If the proposed project will result in additional storm or sanitary discharge, new connections to sewers and all sanitary combination storm sewer extensions must be approved and a permit obtained from Pure Waters. Initially, one set of complete plans and forms are required, and shall include:

A site plan showing existing and proposed utilities and street sewers (minimum plan size 17" x 22");

Interior plumbing plans, including sizes of pipes for industrial and commercial projects;

Other drawings as required to describe the project.

All required forms as per requirement and any special pre-treatment (if applicable) for all privately constructed sewer in the Rochester Pure Waters District.

The applicant should allow 15 days for initial review of plans. Prior to final approval, four additional sets of plans shall be submitted. These will be stamped and two (2) sets will be returned to the applicant for distribution as the project is reviewed by the Bureau of Buildings and Zoning. The other two (2) sets will remain in Pure Waters files. (Rochester Pure Waters District will administer the sewer construction of the proposed extension.)

Permits will be issued to licensed plumbers when the following conditions have been met:

Applications for new connections have been approved by the Rochester Pure Waters District and a stamped copy of the drawing has been submitted to the Permit Office.

Submission of an acceptable certificate of insurance meeting the District's requirements.

Submittal of an acceptable \$5,000.00 plumbers permit bond meeting the District's requirements.

Payment of all applicable permit fees.

Permits shall be signed by the licensed plumber or his/her authorized designee. Sewer connection permits shall be in effect for a one year period commencing on the date of issuance.

Monroe County Department of Health

111 Westfall Road (585) 274-6811

Health Department Permits

If the proposed project will include:

- Food service establishments;
- Temporary residences (children's camps and mass gatherings);
- Sanitary or combined sewer extensions;
- Water main extensions;
- Realty subdivision;
- On-site sewage disposal;
- Public swimming pools;
- Water supply-cross-connection protection;
- Development on a former waste/fill site,

The developer should contact the Division of Environmental Health of the Monroe County Department of Health. The Health Department reviews construction plans to ensure that minimum health standards are met.

In the case of subdivisions, water main extensions and sewer extensions, the Department acts on behalf of the State Departments of Health and Environmental Conservation as required by Part 5 of the State Sanitary Code and Health and Environmental Conservation Laws.

New York State Departments of Environmental Conservation (NYSDEC) and Health (NYSDOH)

The Bureau of Planning can usually inform the developer of NYSDEC or NYSDOH permits which may apply to the project. It is the developer's responsibility, however, to contact those agencies and apply for and receive the necessary permits. Application forms are available from any NYSDEC or NYSDOH office.

NYSDEC Permits 6274 East Avon-Lima Road (585) 226-2466

Permits are required if the proposed project includes:

- Sources of air contamination within the City boundary;
- Disposal, storage and treatment of solid and hazardous waste;
- Any work in a protected freshwater wetland;
- Dredging and filling in protected rivers, creeks and lakes;
- Transport of hazardous and non-hazardous wastes;
- Pesticide application.

New York State Department of Health Permits (NYSDOH) 42 S. Washington Street (585) 423-8070

Permits are required if the project includes:

- Laboratory facilities;
- Health or medical facilities

As noted under the Monroe County Department of Health "Health Department Permits" section, certain NYSDEC permits and NYSDOH permits -- Realty Subdivision Approval, Water Supply Approval -- are obtained through the Monroe County Department of Health, which has been delegated authority to issue these permits by these agencies.

BUILDING AND CONSTRUCTION

**Department of Environmental Services (DES) Permits Office Room
121B, City Hall (585) 428-6848**

New subdivision and re-subdivision applications require the review and approval of the City Engineer prior to any permits being issued.

New Streets - Any new subdivisions, including the construction of a new street, will require the following:

- Submission of three (3) sets of professional licensed engineer stamped plans;
- New street permit;
- Certificate of Liability and Worker's Compensation Insurance;
- Letter of Credit (amount to be determined by the City Engineer).

Upon final acceptance by the City Engineer, the applicant must submit a separate two (2) year Guarantee Bond or Letter of Credit in the amount of twenty-five (25) percent of the estimated cost of the public work; as determined by the City Engineer.

Street Opening Permit - If the project involves a sanitary/combination sewer, sewer or water service connection, an approved contractor must obtain all necessary street opening permits in conjunction with the utility service connection permits.

Connection permits may be obtained from:

- Monroe County Pure Waters - Sewers - 274-8100
- City of Rochester Water Bureau - Water Dispatch - 428-7500
- D.E.S. Permit Office - Excavations - 428-6848

Stake Outs - New York State Industrial Code Rule 53 The DES Permit Office maintains the Central Registry for the City of Rochester. The Central Registry is a master list of all operators or owners of underground facilities within the City. The City maintains this list in accordance with New York State Industrial Code Rule 53. All excavators are responsible for notifying all utility operators with facilities in the area to be excavated at least two (2) full working days before digging.

The Central Registry can be inspected at the DES Permit Office or a copy may be obtained for a nominal charge. The DES Permit Office is located at:

Department of Environmental Services Permit Office, Room 121B
City Hall 30 Church Street Rochester, New York 14614

All operators of underground facilities in the area should be notified to request stake outs. Contractors should refer to the Central Registry listing. Their names and the areas where their facilities are located are listed in the Central Registry. Contractors can telephone UFPO at 1-800-962- 7962 to request a stake out from these major agencies:

City of Rochester Water Bureau
City of Rochester Street Lighting System
Rochester Gas and Electric Corporation
Rochester Telephone Corporation
Greater Rochester Cablevision
Monroe County Water Authority
Rochester District Heating
Monroe County Department of Transportation - Signal Division
Eastman Kodak Company
The University of Rochester

Excavation Permits The DES Permit Office will issue separate excavation permits in conjunction with Monroe County Pure Waters for any work within the City of Rochester right-of-way. The following conditions must be met to obtain a permit:

Submission of three (3) sets of stamped plans;

A minimum security deposit of \$1,000 in the form of a letter of credit, certified check or cash. The security deposit requirement may increase when determined to be appropriate by the City Engineer.

Certificate of Liability Insurance, Worker's Compensation and Disability Coverage naming the City of Rochester as additional insured.

The excavation permit fee.

Other Permits Permit applicants are responsible for obtaining all other required permits such as Monroe County Pure Waters, NYSDOT, U.S. Army Corps of Engineers, Railroads.

The Rochester Water Bureau requires Hydrant Use Permits be obtained by the permit holder prior to using any hydrant as a source of water supply. The permit requires the use of a water meter and backflow preventer. The Water Bureau will supply a hydrant wrench, water meter, meter setting and backflow preventer. These permits are available at the City of Rochester Water Bureau, Customer Service Office, 10 Felix Street, Rochester, New York. The telephone number is (585) 428-7506

**Department of Community Development
Bureau of Buildings and Zoning
Plan Review and Inspection Division
125B, City Hall (585) 428-6526**

Building Permits A building permit must be obtained before any plans to construct, reconstruct, add to, alter, remodel, demolish or change use of a structure may be carried out.

Prior to applying for a building permit, the developer shall have all necessary approvals from the Division of Zoning as well as Monroe County Department of Health, the New York State Department of Environmental Conservation and Rochester Pure Waters District. In addition, the permit will not be issued until required permits and approvals have been obtained from the City Plumbing Division, Department of Environmental Services and Fire Safety Division of the Fire Department.

The building permit application must be accompanied by:

Three sets of detailed construction plans if project cost is \$100,000 or more, (two (2) sets if under \$100,000), certified by a licensed engineer, architect or owner-designed;

One copy of a site plan approved by the Division of Zoning;

A current certificate of insurance detailing worker's compensation and disability coverage (naming the City as Certificate Holder).

Processing of completed applications usually occurs within fifteen (15) working days, but may be longer for major projects.

If the building permit application is denied, the developer may choose to revise the plans or pursue the process of appeal by submitting a petition to the New York State Board of Review. The applicant should allow a minimum of 12 weeks for a Board of Review Decision.

Plumbing Permits After obtaining all approvals from the Water Bureau, Engineering Bureau, and Pure Waters, a licensed plumber must obtain a permit from the City of Rochester Permit Office in order to perform interior and exterior plumbing work or site work. If the interior structure will be affected by the new plumbing the applicant shall submit one set of mechanical plumbing plans with the application. Connection permits must also be obtained from the Rochester Pure Waters District, City of Rochester Water Bureau and the City's Department of Environmental Services Engineering Permit Office prior to making any connections. Work performed will be inspected and approved by a City of Rochester Plumbing Inspector.

Electrical Permits If electrical work is required for the project, the developer must hire an electrician licensed by the City of Rochester.

Prior to the commencement of work, the licensed electrician is required to apply for an electrical permit from the City. Upon completion of the job and all necessary inspections from the City of Rochester Electrical Inspector, the electrician obtains a certificate of compliance. Work performed will be inspected and approved by a City of Rochester Electrical Inspector.

Fire Safety Permits The Fire Safety Division of the Fire Department reviews plans for construction of all new commercial and multiple dwelling structures, installation of fire alarm systems and fire suppression systems.

To expedite the review process, joint plan reviews are conducted by the Fire Safety Division and the Division of Buildings. Where potentially harmful conditions exist, the Fire Safety Division also reviews permits to maintain, change use of, or remodel a structure.

Elevator Permits Prior to the installation or modification of any conveyance, an elevator permit must be obtained from the City. Applications must be applied for by a licensed installer or maintenance company. Inspections are performed by a licensed inspection agency. Plans and specifications must accompany the application.

Demolition Permits Prior to the razing, disassembly or removal of any structure, essential element of any structure or the removal of any debris, a permit shall be obtained from the Permit Office.

The permit application must be accompanied by:

- Site plan or tape location map.
- Building material disposal plan.
- Photographs of all exterior elevations.
- Environmental Assessment Form.
- Certificate of Worker's Compensation specifically stating that demolition work is covered
- Certificate of rodent control.
- Performance Guarantee.
- Proposal for site development.
- Approved safe school route and pedestrian access plan.
- Construction photos of any pre-existing damage to the public right-of-way.
- Maintenance and Protection of Traffic plan when work will obstruct the right-of-way.

Certificate of Occupancy (Zoning Code: Section 120 and Building Code: Chapter 39, Section 214-219) Once construction has been completed, the developer must obtain a Certificate of Occupancy. This procedure involves:

- A written application, filed at the time of permit application;
- An inspection of the property by the Building Construction Inspector;
- Final electrical, plumbing and/or elevator inspection approvals;
- Fire safety approval.

Following the inspection, the applicant should allow 10 days to receive the Certificate

DIRECTORY

- City Hall 30 Church Street Rochester, New York 14614
- Bureau of Buildings and Zoning Permit Office, Department of Community Development Room 121-B, City Hall (585) 428-6526
- Bureau of Buildings and Zoning Division of Zoning, Department of Community Development Room 125-B, City Hall (585) 428-7043
- Bureau of Buildings and Zoning Plan Review and Inspection Division, Department of Community Development Room 125-B, City Hall (585) 428-6561
- Bureau of City Planning Department of Community Development Room 010-A, City Hall (585) 428-6924
- Department of Environmental Services Permit Office Room 121-B, City Hall (585) 428-6848
- Department of Environmental Services Water Bureau 10 Felix Street Rochester, New York 14613 (585) 428-7567
- Department of Economic Development Room 005-A, City Hall (585) 428-6808
- New York State Department of Environmental Conservation (NYSDEC) 6274 East Avon-Lima Road Avon, New York 14414 (585) 226-2466
- New York State Department of Health (NYSDOH) 42 S. Washington Street Rochester, New York 14608 (585) 423-8070
- Monroe County Department of Health Division of Environmental Health 111 Westfall Road Rochester, New York 14692 (585) 274-6811
- Monroe County Pure Waters Permit Office 350 E. Henrietta Road Building 15 Rochester, New York 14620 (585) 753-7600
- Rochester Pure Waters District Office of Development Review 350 E. Henrietta Road Rochester, New York 14620 (585) 753-7600

APPENDIX B

**Pre-Development Assessment
Geotechnical Report**



**Foundation
Design, P.C.**

SOIL • BEDROCK • GROUNDWATER

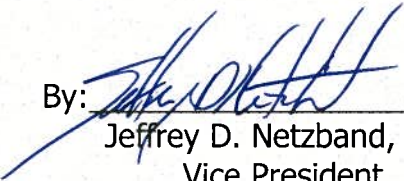
**151 MT. HOPE AVENUE
ROCHESTER, NEW YORK**

**PRE-DEVELOPMENT
GEOTECHNICAL ASSESSMENT**

Prepared for

DAY Environmental, Inc.

By: _____


Jeffrey D. Netzband, P.E.
Vice President

September 2010
3394.0

**151 MT. HOPE AVENUE
ROCHESTER, NEW YORK**

PRE-DEVELOPMENT GEOTECHNICAL ASSESSMENT

1.0 INTRODUCTION

This report outlines our Pre-Development Assessment for the 151 Mt. Hope Avenue parcel in Rochester, New York (site). We base this evaluation on our review of U.S.G.S. and N.Y.S.D.O.T. topographic mapping; historic EDR/Sanborn Fire Insurance mapping; old soils data made available for our review; new test boring and test pit exploration; previously generated laboratory test results; and consultation with the design team. For this assessment, we have assumed that the future buildings would likely consist of three to four story wood-framed residential housing, or steel-framed residential/office/commercial mixed use structures. We have also assessed the possibility of installing a basement/below-grade parking.

We intend this report for the use exclusively in assessing geotechnical cost impacts on developing the parcel and conceptual layout of new building(s) on the parcel. A more detailed geotechnical evaluation is required for specific building layouts, designs, and loadings. This study is limited to the geotechnical aspects of the site development; the environmental aspects are being addressed by others.

DAY Environmental, Inc. retained Foundation Design, P.C. as part of their contract with the City of Rochester to provide the services outlined in our October 9, 2009 *Geotechnical Services Proposal, P2645.0*. Our services included reviewing the existing information; observing the test boring and test pit exploration; evaluating the data; and developing a list of geotechnical impacts that could be considered premium costs associated with developing this parcel as compared to a 'green' site. We agreed to submit this report outlining our findings and conclusions.

Attached to the end of this text is an ASFE paper entitled *Important Information about Your Geotechnical Engineering Report* that you should read. It describes how we intend this report to be used and discusses risks and risk allocation. We will continue to work cooperatively with you and other interested parties to achieve win/win solutions.

2.0 SITE CONDITIONS/HISTORY

151 Mt. Hope Avenue lies in the City of Rochester's South Wedge Community. The existing Time Warner complex lies to the north. City parkland, then planned Erie Harbor development lie to the south. The Genesee Gateway Park, Genesee Valley Trail, and Genesee River lie to the west. Commercial property lines the east side of Mt. Hope Avenue. A *General Location Plan* is included in Appendix A.

The site is adjacent to the Genesee River. Historically, the river was prone to flooding until the water levels of the river were regulated by the Mt. Morris Dam and the RG&E Dam. The Genesee River levels are now maintained between elevations 500 and 512.

The site has seen several uses over the years, as shown on the EDR/Sanborn mapping included on Figures 3-7 in the DAY report. A north-south trending canal that added water to and allowed traffic into the original Erie Canal (to the north) once paralleled Mount Hope Avenue. Boat turning basins were located between the river and feeder canal. Portions of these historic water features were located on this site.

After the Erie Canal was relocated south of the City in the 1920's, the basins and the feeder canal were filled. A 54-inch diameter sewer (currently abandoned) had been installed in the abandoned feeder canal. The site was re-developed by the Erie-Lackawanna Railroad. The rail yard development included several small support structures and an overhead trellis. The rail yard was abandoned and the associated buildings were demolished around 1973. A 20 foot deep, 78-inch diameter sewer was installed along the east side of the property during this period.

The site has been undeveloped and grass covered since the 1970's. A few moderate size pine trees line the Genesee Gateway Park/Genesee Valley Trail that parallels the east side of the river. The site is fairly flat with less than five feet of grade change across the parcel.

3.0 EXPLORATION AND TESTING

As part of this study, we observed new exploration and reviewed prior subsurface data developed on the parcel. Outlined below are the test holes we reviewed. Their locations are plotted on the DAY Environmental, Inc. Figures 2-8 included in the DAY report.

- 2010 DAY Environmental, Inc. test borings MW10-1 through MW10-3 (DAY report - Appendix C).
- 2010 Foundation Design, P.C. test pits TP10-1 through TP10-23 (Appendix B).
- 2004 Target Drilling test borings B04-1 and B04-5 (Appendix C).
- 2004 Foundation Design, P.C. test pits TP04-1 through TP04-4 (Appendix C).
- 2004 Basic Foundations, Inc. laboratory test report (Appendix C).
- 2004 DAY Environmental, Inc. geo-probes TW-1 through TW(MW)-10 (Appendix D).
- 2001 DAY Environmental, Inc. geo-probes TB-101 through TB-104, TB-122 through TB-125, TB-A, and TB-B (Appendix D).
- 2000 DAY Environmental, Inc. geo-probes TB-1, TB-2, TB-5, TB-9, TB-36, MW-1, and MW-7 (Appendix D).

Finally, we reviewed the results of a 2001 Geomatrix electromagnetic survey using a Geonics EM61 high sensitivity, high resolution, time-domain metal detector of the southeast corner of the parcel. Refer to Figure 8 in the DAY report.

4.0 SOIL, BEDROCK, AND GROUNDWATER CONDITIONS

The following interpretations of the soil, bedrock, and groundwater conditions are based on widely spaced test boring, test pit, and geo-probe data; our site observations; and prior work in the area. Generalized soil profiles (Figures 1, 2, and 3) are attached in Appendix A; refer to Figure 2 (*Test Location Plan*) in the DAY report for the subsurface profile locations. Variations from the inferred subsurface profile are possible, especially on this historically developed site. See the enclosed boring, test pit, and geo-probe logs for soil/bedrock descriptions at the test locations. Call us immediately if such variations are found so we may evaluate the impact on our conceptual findings.

We observed a subsurface profile consisting of topsoil over mixed fills, organic and/or clayey silt, glacial till, then dolomite bedrock. The topsoil thickness, where definable from the underlying fill, ranged from four to eighteen inches. The underlying fill consists of mixed earth (silt, sand, gravel, cobbles, boulders), topsoil, ash, coal, slag, glass, wire, brick, concrete fragments, and other deleterious material. Large pockets or zones within the fill consist primarily of incinerator waste, i.e., ash and cinders. The fill extends four to sixteen feet below the surface.

Stantec Consulting Services, Inc. provided oversight of an environmental clean-up in the southeast corner of the site in 2007. Soil was excavated to depths of 10 to 18 feet below grade as part of this clean-up work. The excavation was backfilled in compacted lifts using salvaged environmentally clean soil and imported gravel fill. Limits and depths of this excavation work are plotted on Figure 8 in the DAY report.

Remnants of the pre-existing structures were encountered in several of the test pits. Test pits TP10-14, TP10-16, TP10-17, and TP10-18 all terminated within four feet of the surface, encountering refusal on old concrete foundations (possibly associated with the old railroad scales and/or toll house). Old foundations were also encountered in the western portion of the Stantec environmental clean-up excavation (refer to Figure 8 in the DAY report); these foundations were left in-place. Old foundations are possible in other old building/trestle locations.

The upper, natural soils consist of loose to firm silt with a trace to some clay, trace to little sand, and trace organic. Typical N-values in this formation were in the 4 to 10 blows per foot range; with isolated pockets recorded as low as 1 to 2. Thin pockets of more highly organic soil (peat, marl, etc.) were also noted in the sampling. Tested samples contained 1.0 to 31.4 percent organic matter, with associated moisture contents ranging from 14.2 to 32.7 percent.

Compact to dense glacial till or river deposited sand and gravel underlies the organic silt. The tested till samples classify as silty sand (SM). Moisture contents of the tested till samples range from eight to nine percent. Large boulders were encountered near the top of the bedrock.

Based on reviewing the data collected, we believe that the bedrock surface lies between elevations 490 and 495, roughly 25 feet below the surface. We believe that the borings that encountered refusal above these elevations likely terminated on boulders/rock slabs contained within the till deposit slightly above the bedrock surface. The drillers found the upper three to five feet of the bedrock highly fractured. This made differentiating boulders from the fractured rock difficult.

RQD measurements, an indication of the rock quality, were poor in the upper three to six feet of the bedrock (likely due to boulders and slabrock), but improved with depth. The percent recovered in the 'better', deeper rock was between 60 and 85 percent. RQD measurements in this zone were between 50 and 70 percent. Geologic mapping shows bedrock as the Lockport Group of Formations. These formations consist of horizontally bedded dolomites. The percent rock core recovered and RQD measurements, even for the 'better' rock, were low for this formation.

Groundwater was generally encountered below ten feet at the test locations. Water flowed into two of the test pits around ten feet below the surface; we believe that this is water trapped in the fills at the two locations. We recorded the groundwater elevations at the observation wells installed as tabulated below:

Table No. 1 – Groundwater Levels

Boring Number	Surface Elevation	Date						
		6/7/2001	8/2/2001	3/3/2004	3/16/2004	6/17/2004	7/7/2004	4/6/2010
B04-1	516.8			504.4	505.0	504.6	502.6	
MW-1		-16.45	-17.54					
MW-1R	513.1							498.3
MW-7	516.9							504.1
TW(MW)-9	514.2							499.7
TW(MW)-10	513.7							497.6
MW10-1	517.1							504.6
MW10-2	515.7							504.1
MW10-3	514.6							497.9

5.0 CONCLUSIONS

From a geotechnical standpoint, we foresee several issues that will make developing the parcel challenging, but not to the point that the difficulties are insurmountable.

Based on these findings, we draw the following general conclusions:

5.1 Foundation Approaches

It is our opinion that the in-place fill material and underlying organic silt/clay deposit are not suitable to support new construction. The in-place fill contains sporadic areas where highly compressible ash and cinders have been deposited. This material would consolidate and compress under new structural loads, leading to unacceptable settlement of the structure and floor slabs. The underlying organic material will slowly decompose over time, leading to more consolidation and settlement.

For preliminary estimating, assume that a deep foundation system and structural floor slab will be required for the new building. The deep foundation system that will ultimately be utilized is highly dependent on building loads, and load distribution with the structure. Outlined below are some of the foundation approaches that may prove viable on this site.

Driven Piles

Driven steel H-piles and pipe piles have been utilized locally to support similar structures. Allowable pile capacities of 100 to 200 tons have been achieved on end-bearing piles driven to the dolomite bedrock surface. For conceptual estimating, assume that the bedrock surface can support a HP 12 x 74 pile, providing an allowable capacity of 150 tons.

Drilled Shafts/Caissons

Drilled shafts that extend to the bedrock surface could be utilized to support the new structure. The old City of Rochester Building Code allowed for the use of a presumptive bearing pressure of 25 tons per square foot on the Lockport Dolomite; this could be increased to 50 tons per square foot if probes were used to verify that no mud seams were present in the underlying rock within five feet of the bearing grade.

Vibro-compacted Concrete Columns

Vibro-compacted concrete columns may prove viable to support the structure. These foundation systems entail pre-augering a hole that is then backfilled with dry-mix concrete compacted in lifts. The compacted column is then used to support the structure. Locally, allowable column capacities of 35 to 45 tons have been achieved using columns bearing on the bedrock surface.

Vibro-compacted Aggregate Columns

Vibro-compacted aggregate columns (VCA columns) may also prove viable to support the structure. This form of ground improvement consists of pre-augering a hole that is then backfilled with aggregate (crusher-run stone or gravel) compacted in lifts. The compacted column is then used to support the structure utilizing standard spread footings bearing on the compacted columns. Structural floor slabs would be designed to span between adjacent aggregate columns. Spread footings designed to bear on the VCA columns can likely be sized based on allowable bearing pressures in the 4,000 to 8,000 psf range.

Mini-Piles

Mini-piles may consist of driven small diameter steel pipe (3 to 4-inch diameter), small diameter auger cast concrete piles, or helical piles. Generally, this type of pile system tends to yield lower allowable pile capacities, typically in the 30 to 60 kip range (15 to 30 tons). However, higher capacity mini-piles are available that may achieve allowable pile capacities in the 60 to 100 tons range.

Dependent on the type of system that is selected, we foresee some issues that may arise during installation. The amount of spoils generated during the different pile installations vary; displacement piles limit the spoils to the material excavated to install pile caps and grade beams. Augered shafts would generate significant spoil volumes that would require handling and potentially off-site disposal.

Old foundations and floor slabs left in-place and debris in the fill may obstruct the deep foundation installations operations; some pre-excavating and/or pre-augering could be required regardless of the system utilized. Large boulders/rock slabs are present within the

till over the bedrock surface that could prevent the deep foundation from achieving full depth penetration. Extra dynamic/load testing of piles may be required to assess the pile capacity where piles hang up on rock slabs within the till.

Groundwater lies in pockets within the fill and in the soil over the bedrock. Groundwater levels will fluctuate with the level of nearby Genesee River. Water will tend to migrate into open excavations; temporary casings will be required to control water flow into augered shafts created by drilled shaft and vibro-compaction techniques. Depending on the system selected, the site designer may need to designate areas where water that accumulates in the open shafts can be pumped to and stored on a temporary basis during the foundation installation work.

5.2 Basement Considerations

We understand that the future buildings may have a basement or below-grade parking. We have concerns about below grade construction due to the close proximity of the Genesee River, which fluctuates between elevation 500 and 512 and has a base flood level around elevation 513 (2008 FEMA *Flood Insurance Rate Map*). The top of the river wall, at elevation 514.1, should keep flood water from overtopping onto the site. Surface grades on the parcel are between 514 and 518. We suspect that below grade construction would have to be designed above elevation 513 to stay above the potential base flood elevation. This constraint limits how far into the ground the new structure may extend.

If below-grade structures are required, we see two approaches. Explore the possibility of a below-grade structure that has a floor grade around elevation 513 and is half below and half above grade. This would allow windows for well lit lower floor areas. Approved fill material removed to create the below-grade space could be used to berm around the perimeter.

Deeper below-grade structures will require extensive waterproofing to keep the space dry. Structures below elevation 513 should either be designed with permanent wall and sub-floor drainage systems that are pumped into the stormwater system or should be designed as a waterproof box that can resist the hydrostatic uplift forces acting on it during high water levels. If a pumped system is utilized, the pump should have an emergency back-up generator or other system that can keep the depression dry during prolonged power outages (likely to occur during flood events).

Depending on the lower floor grade established, the subgrade exposed may not be capable of supporting construction equipment such as pile driving equipment and/or concrete trucks. This is especially true for any below grade construction. As much as 30-inches of imported crusher run stone and a geogrid may be required to provide a working surface for the foundation installation and concrete truck traffic.

5.3 Structural Fill and Backfill Materials

The in-place fill would not be reusable as structural fill. Environmental approved material may be used in landscaped areas, but should not be placed under foundations and floor slabs if their design depends on fill for structural support. Where new fill is required in structural areas, plan to import a material close in gradation to N.Y.S.D.O.T. Item 203.07, select granular fill.

5.4 Seismic Considerations

New York State Building Code contains provisions for seismic design. The 2007 Code identifies the downtown Rochester area as having a short period spectral acceleration (S_s) of 0.206g and a 1-second period spectral response acceleration (S_1) of 0.058g. We recommend assuming a seismic site classification of D (stiff soil) in your conceptual estimating.

5.5 Underground Utilities

Underground utilities will lie primarily in the in-place fill. We expect this material will consolidate under its own weight over the life of the structure. Plan to hang sub-floor utilities where they are installed below the structural floor slab. DIPRA test results indicate the fills are corrosive to ductile-iron piping; assess whether/where protection of underground utilities is required.

Similar fill conditions are expected outside the building. Extra subbase may be required to provide adequate pipe support where debris is removed from below the pipe. Plan for large diameter pipes and/or steeper slopes on gravity flowing utility lines (sanitary and storm sewers). Allow for flexible connections where transitioning from the pipe bearing on the fill (that will settle) to where utility services tie into the new building (that will not settle).

5.6 Pavement/Sidewalk Measures

Where asphalt pavements are placed over the in-place fill, developers should expect less time before cracking, waviness, 'bird-baths', and potholes start to form and maintenance is required. Due to the potential exorbitant costs of removing and replacing this material, we recommend that developers/future owners accept these risks. The in-place Time Warner pavements adjacent to the site were constructed over the in-place fill; we expect similar long-term settlement and pavement performance as this asphalt surface.

For your preliminary estimating, we suggest budgeting for a slightly thicker than "normal" pavement, say 1.5 inches of asphalt top, 2.5 inches of asphalt binder, and 15 inches of crusher-run stone subbase. To extend the life and improve expected pavement performance, budget to install a geogrid similar, to Mirafi BXG-12, under the pavement and sidewalk subbase layers. Some undercutting and/or reworking of unsuitable fill will be required to remove the large debris from within the top 12 inches of the pavement subgrade; plan to backfill areas undercut with suitable on-site soil.

Plan for pavement slopes of at least 2.0 percent. Install weeps at low points in the pavement to facilitate drainage out of the granular subbase and into the stormwater system. Plan for higher maintenance costs associated with these pavements.

5.7 Bedrock Considerations

The bedrock surface lies between elevations 490 and 495, roughly 25 feet below grade. Unless extremely deep excavations are planned, we do not envision bedrock impacting development.

5.8 Premium Cost Items

The following is a list of premium cost items for redevelopment of this parcel as compared to construction on a 'green' site. As you develop your cost estimates, allot money to address each of these aspects of the project.

Structural/Design Costs

- Removal/hoe-ramming of existing buried foundations
- Off-site disposal of excavated materials (foundations/utility trenches)
- Import of soil for foundation/utility trench backfill
- Deep foundation system (piles, caissons, geo-pier, vibro-compacted concrete columns, etc)
- Structural floor slab
- Large diameter pipes/steeper slopes for underground utilities
- Extra stone base under utility lines
- Corrosion protection/wrapping of underground piping
- Extra stone base through fill areas
- Thicker sidewalk sections including geogrid
- Thicker pavement sections including geogrid

Geotechnical Construction Oversight Costs

- Full-time site presence during deep foundation installation
- Periodic site presence during new structural fill placement
- Periodic site visits during the pavement/sidewalk subgrade preparation work

6.0 CLOSURE

The conclusions outlined in this Pre-Development Geotechnical Assessment are provided with our limited information on the final uses of this parcel. We point out that additional geotechnical exploration, testing, and/or engineering analysis will be required after the building locations, sizes, design loads, and site grading have been established. Call if you have questions regarding our interpretations of the soil, bedrock, and groundwater conditions as you develop concepts to develop this parcel. We look forward to hearing from you again as potential developers assess options for developing this parcel.

Important Information about Your Geotechnical Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

While you cannot eliminate all such risks, you can manage them. The following information is provided to help.

Geotechnical Services Are Performed for Specific Purposes, Persons, and Projects

Geotechnical engineers structure their services to meet the specific needs of their clients. A geotechnical engineering study conducted for a civil engineer may not fulfill the needs of a construction contractor or even another civil engineer. Because each geotechnical engineering study is unique, each geotechnical engineering report is unique, prepared *solely* for the client. No one except you should rely on your geotechnical engineering report without first conferring with the geotechnical engineer who prepared it. *And no one — not even you — should apply the report for any purpose or project except the one originally contemplated.*

Read the Full Report

Serious problems have occurred because those relying on a geotechnical engineering report did not read it all. Do not rely on an executive summary. Do not read selected elements only.

A Geotechnical Engineering Report Is Based on A Unique Set of Project-Specific Factors

Geotechnical engineers consider a number of unique, project-specific factors when establishing the scope of a study. Typical factors include: the client's goals, objectives, and risk management preferences; the general nature of the structure involved, its size, and configuration; the location of the structure on the site; and other planned or existing site improvements, such as access roads, parking lots, and underground utilities. Unless the geotechnical engineer who conducted the study specifically indicates otherwise, do not rely on a geotechnical engineering report that was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

Typical changes that can erode the reliability of an existing geotechnical engineering report include those that affect:

- the function of the proposed structure, as when it's changed from a parking garage to an office building, or from a light industrial plant to a refrigerated warehouse,

- elevation, configuration, location, orientation, or weight of the proposed structure,
- composition of the design team, or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project changes—even minor ones—and request an assessment of their impact. *Geotechnical engineers cannot accept responsibility or liability for problems that occur because their reports do not consider developments of which they were not informed.*

Subsurface Conditions Can Change

A geotechnical engineering report is based on conditions that existed at the time the study was performed. *Do not rely on a geotechnical engineering report* whose adequacy may have been affected by: the passage of time; by man-made events, such as construction on or adjacent to the site; or by natural events, such as floods, earthquakes, or groundwater fluctuations. *Always* contact the geotechnical engineer before applying the report to determine if it is still reliable. A minor amount of additional testing or analysis could prevent major problems.

Most Geotechnical Findings Are Professional Opinions

Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. Geotechnical engineers review field and laboratory data and then apply their professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ—sometimes significantly—from those indicated in your report. Retaining the geotechnical engineer who developed your report to provide construction observation is the most effective method of managing the risks associated with unanticipated conditions.

A Report's Recommendations Are *Not* Final

Do not overrely on the construction recommendations included in your report. *Those recommendations are not final*, because geotechnical engineers develop them principally from judgment and opinion. Geotechnical engineers can finalize their recommendations only by observing actual



**Foundation
Design, P.C.**

SOIL • BEDROCK • GROUNDWATER

APPENDIX A



151 Mt. Hope Avenue
 151 MT. Hope Avenue, Rochester, New York
General Location Plan
 Adapted from: 1997 N.Y.S.D.O.T. Topographic Mapping
 Rochester East and Rochester West Quadrangles

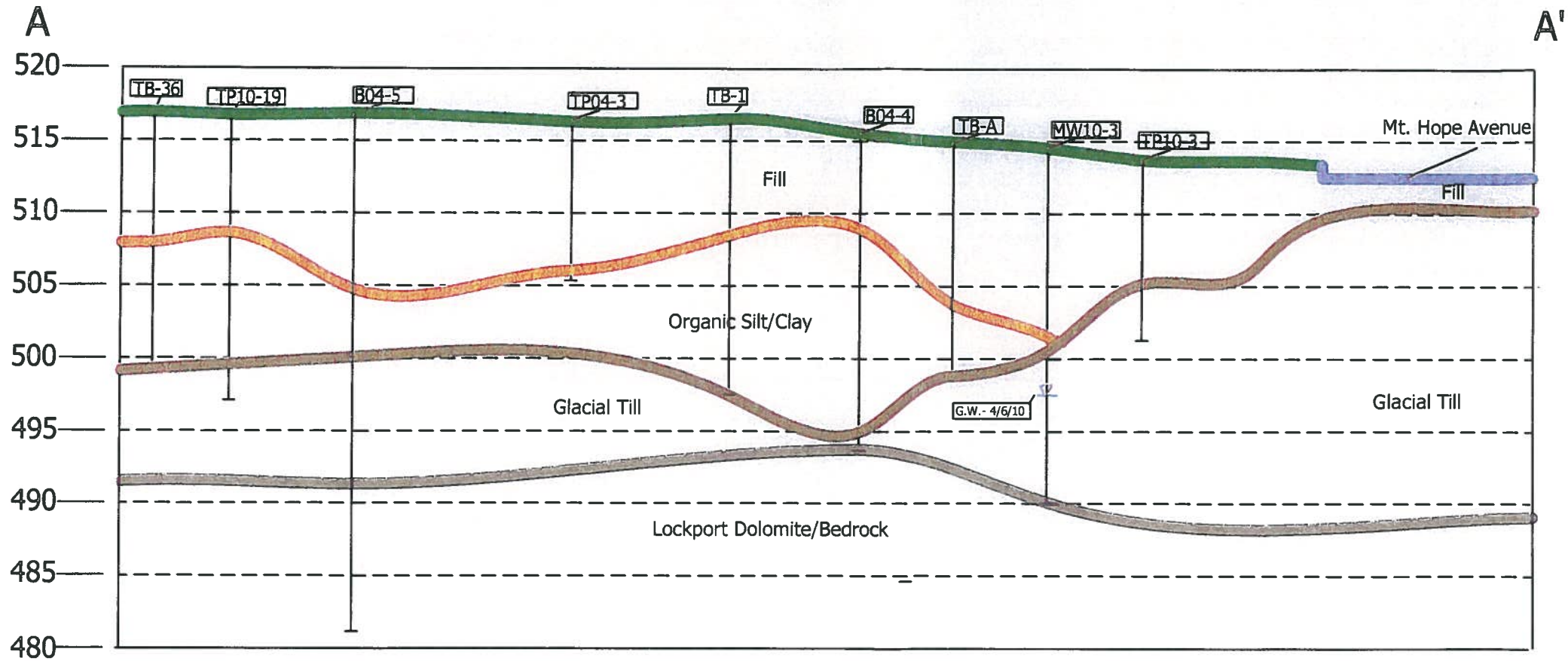


Foundation Design, P.C.
 335 Colfax Street
 Rochester, New York 14606
 Phone (585) 458-0824
 FAX (585) 458-3323

CHECKED BY: JDN
 DRAWN BY: JCS

Scale 1" = 24,000'

DATE: 3/5/10
 JOB NO.: 3394.0



- NOTES:**
1. FILL DEPTHS AND LOCATIONS ARE DERIVED FROM WIDELY SPACED BORINGS AND TEST PITS. THE ACTUAL DIMENSIONS MAY VARY
 2. REFER TO THE BORING LOGS FOR MORE DETAILED SOIL DESCRIPTIONS
 3. REFER TO THE TEST LOCATION PLAN IN THE DAY REPORT FOR SUBSURFACE PROFILE LOCATION
 4. SUBSURFACE PROFILES DEPICT GENERAL GEOLOGIC CONDITIONS. ACTUAL SOIL CONDITIONS MAY VARY FROM THOSE SHOWN ON THIS PLAN



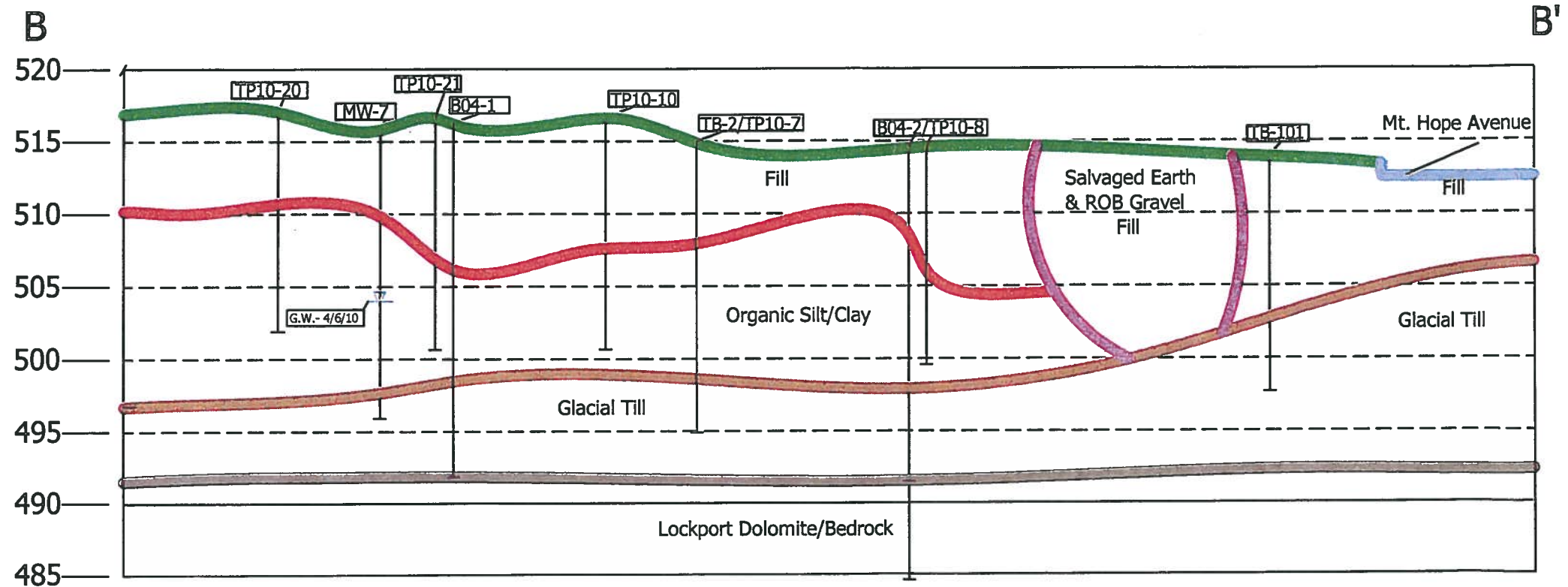
151 Mt. Hope Boulevard
 Rochester, New York
Figure No. 1 - Profile A - A'

CHECKED BY:
DRAWN BY: JDN

DATE: 06-18-10
Scale: as shown
JOB NO.: 3394.0



335 Colfax Street
Rochester, New York 14606
Phone (585) 458-0824
FAX (585) 458-3323



NOTES:

1. FILL DEPTHS AND LOCATIONS ARE DERIVED FROM WIDELY SPACED BORINGS AND TEST PITS. THE ACTUAL DIMENSIONS MAY VARY.
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151 Mt. Hope Boulevard
 Rochester, New York
Figure No. 2 - Profile B - B'

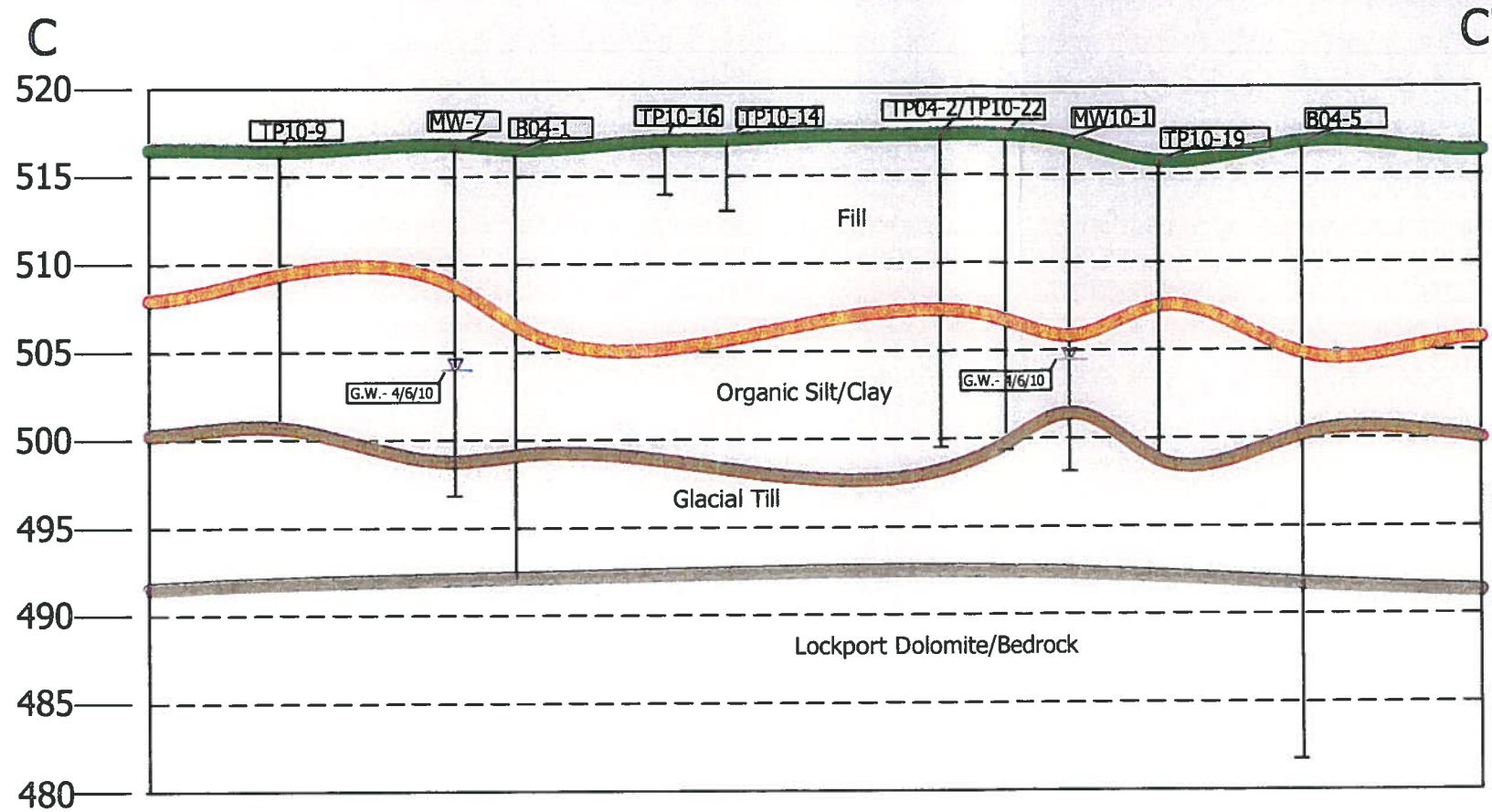
CHECKED BY:

DRAWN BY: JDN

DATE: 06-18-10

Scale: as shown

JOB NO.: 3394.0



- NOTES:**
1. FILL DEPTHS AND LOCATIONS ARE DERIVED FROM WIDELY SPACED BORINGS AND TEST PITS. THE ACTUAL DIMENSIONS MAY VARY.
 2. REFER TO THE BORING LOGS FOR MORE DETAILED SOIL DESCRIPTIONS.
 3. REFER TO THE TEST LOCATION PLAN IN THE DAY REPORT FOR SUBSURFACE PROFILE LOCATION.
 4. SUBSURFACE PROFILES DEPICT GENERAL GEOLOGIC CONDITIONS. ACTUAL SOIL CONDITIONS MAY VARY FROM THOSE SHOWN ON THIS PLAN.



151 Mt. Hope Boulevard
 Rochester, New York
Figure No. 3 - Profile C - C'



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SOIL • BEDROCK • GROUNDWATER

APPENDIX B

SOIL DESCRIPTIONS

COHESIVE SOIL

Very fine grained soil. Plastic soil that can be rolled into a thin thread if moist. Clays and silty clays show cohesion.

DESCRIPTION

Very Soft	Extrude between fingers when squeezed
Soft	Molded by light finger pressure
Medium	Molded by strong finger pressure
Stiff	Indented by thumb with effort
Hard	Indented by thumb nail with difficulty

NON-COHESIVE SOIL

Soil composed of silt, sand and gravel, showing no cohesion or very slight cohesion.

DESCRIPTION

Loose
Firm
Compact
Dense
Very Dense

SOIL COMPOSITION

DESCRIPTION

ESTIMATED PERCENTAGE

and	50
some	30-49
little	11-29
trace	0-10

MOISTURE CONDITIONS

dry, damp, moist, wet, saturated
Groundwater measured in the boring or test pit may not have reached equilibrium

SOIL STRATA

TERM

DESCRIPTION

layer	Soil deposit more than 6" thick
seam	Soil deposit less than 6" thick
parting	Soil deposit less than 1/8" thick
varved	Horizontal uniform layers or seams of soil

GRAIN SIZE

MATERIAL	SIEVE SIZE
Boulder	Larger than 12"
Cobble	3" to 12"
Gravel - coarse	1" to 3"
- medium	3/8" to 1"
- fine	No. 4 to 3/8"
Sand - coarse	No. 10 to No. 4
- medium	No. 40 to No. 10
- fine	No. 200 to No. 40
Silt and Clay	Less than No. 200



Test Pit Log

Project No. 3394.0 Page 1 of 2 Test Pit No. TP10-1
 Project Name 151 Mt. Hope Avenue, Rochester, NY
 Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
 Elevation 514.3 Weather Overcast/snow Technician E. Ashley
 Date Started 02.19.10 Completed 02.19.10 Operator R. Baker
 Backhoe Subcontractor Trec Environmental Equipment J. Deere 160D excavator

TP10-1



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID	Soil and Rock Classifications	Remarks
2			0.0	TOPSOIL FILL: Compact brown-black-red moist SILT, SAND, some gravel, little to trace brick, ash, metal, railroad tie, glass, tile, slag, few cobbles (asphalt 'slab' noted on east end of test pit from 2'0" to 2'8")	0'7"
4			0.0	FILL: Firm grey-yellow moist ASH, little sand, trace brick, glass, nails	3'9"
6				Soft black moist to wet organic SILT, little clay, little sand,	7'7"
8			0.0/ 0.0(HS)	grades to soft dark grey moist to wet SILT, some clay, little sand, little organic below 9'	
10				Grades to grey-green moist to wet, some sand below 12'	
12					



Test Pit Log

Site Pictures

Project No. 3394.0 Page 2 of 2 Test Pit No. TP10-1
 Project Name 151 Mt. Hope Avenue, Rochester, NY
 Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
 Elevation 514.3 Weather Overcast/snow Technician E. Ashley
 Date Started 02.19.10 Completed 02.19.10 Operator R. Baker
 Backhoe Subcontractor Trec Environmental Equipment J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14					
16			0.0		
18					Refusal at 17'0"
20					Refusal at 17'0"
22					
24					

Notes:

- Sides vertical.
- Water seepage below 11'2" on west end of test pit.
- Staked locations provided by others.
- Sample numbers reflect geotechnical sampling only.
- PID measurements recorded by DAY Environmental.
- (HS) = Head space sample.



Test Pit Log

Project No. 3394.0 **Page** 1 **of** 2 **Test Pit No.** TP10-2
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 514.1 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.19.10 **Completed** 02.19.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

TP10-2



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID	Soil and Rock Classifications	Remarks
2			0.0	TOPSOIL FILL: Compact brown moist SAND and GRAVEL, some silt, pocket of 'shot rock', trace brick west side of tp from 1'8" to 5'6", cobbles and pieces of broken rock FILL: Compact brown moist SAND and GRAVEL, some silt, trace brick, slag, coal, glass, cinders, organic, wood, pipe, pocket of brick north end of t.p., numerous pieces of slab rock	0'6" 1'8"
4			0.0		
6			0.0		5'6"
8	S-1	7'6"	0.0/ 0.0 (HS)		6'8"
10	S-2	10'0"	0.0		9'6"
12					11'6"

Refusal at 11'6" on possible boulder



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Test Pit Log

Site Pictures

Project No. 3394.0 **Page** 2 **of** 2 **Test Pit No.** TP10-2
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 514.1 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.19.10 **Completed** 02.19.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14					
16					
18					
20					
22					
24					

Notes:

- Sides sloughed and caved on west side of test pit from 1' to 5' (possible rock foundation wall.)
- Pipe at 5'5" on east side of test pit.
- Dry on completion.
- Staked locations provided by others.
- Sample numbers reflect geotechnical sampling only.
- PID measurements recorded by DAY Environmental.
- (HS) = Head space sample.



Test Pit Log

Project No. 3394.0 **Page** 1 **of** 2 **Test Pit No.** TP10-3
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 513.8 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.19.10 **Completed** 02.19.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

Site Pictures

TP10-3



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID	Soil and Rock Classifications	Remarks
2			0.0	TOPSOIL FILL: Compact brown moist silty SAND, some gravel, numerous pieces of slab rock, little cobbles, little organic, trace plastic, wood, brick, lumber, glass Possible concrete footing at 2'6" on south end of the test pit	0'5"
4			0.0		
6					
8			0.0		
10			0.0/ 0.0(HS)		8'6" Compact brown moist SAND and GRAVEL, little silt, little cobbles, few boulders
12			0.0		



Test Pit Log

Site Pictures

Project No. 3394.0 Page 2 of 2 Test Pit No. TP10-3
 Project Name 151 Mt. Hope Avenue, Rochester, NY
 Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
 Elevation 513.8 Weather Overcast/snow Technician E. Ashley
 Date Started 02.19.10 Completed 02.19.10 Operator R. Baker
 Backhoe Subcontractor Trec Environmental Equipment J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14					Refusal at 12'5"
16					
18					
20					
22					
24					

Notes:

1. Sides sloughed below 8'.
2. Dry on completion.
3. Staked locations provided by others.
4. Sample numbers reflect geotechnical sampling only.
5. PID measurements recorded by DAY Environmental.
6. (HS) = Head space sample.



Test Pit Log

Project No. 3394.0 **Page** 1 **of** 2 **Test Pit No.** TP10-4
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 514.8 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.19.10 **Completed** 02.19.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

TP10-4



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID	Soil and Rock Classifications	Remarks
2	S-1	2'0"	0.0/ 0.0(HS)	TOPSOIL (frozen)	0'7" FILL: Compact brown moist SAND, some silt, some gravel, few large pieces of slab rock, large piece of concrete (footing), trace to little brick, wire, wood, slag, plastic, black ash, cinders
4			0.0 0.0(HS)		
6					
8					8'0" FILL: Compact grey-yellow ASH, with brick, glass, metal ceramic, slag, sand, roofing shingles, wood
10	S-2	10'0"	0.0		9'8" FILL: Firm black moist SILT, some organic, trace wood, brick, ash, metal
12			0.0/ 0.0(HS)		11'10"



Test Pit Log

Site Pictures

Project No. 3394.0 Page 2 of 2 Test Pit No. TP10-4
 Project Name 151 Mt. Hope Avenue, Rochester, NY
 Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
 Elevation 514.8 Weather Overcast/snow Technician E. Ashley
 Date Started 02.19.10 Completed 02.19.10 Operator R. Baker
 Backhoe Subcontractor Trec Environmental Equipment J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14	S-1	13'0"			
16					
18			0.0		
20					
22					
24					

Soft grey moist silty CLAY, little fine sand, little organic
 Test pit terminated at 18'0"

Notes:
 1. Sides vertical.
 2. Dry on completion.
 3. Staked locations provided by others.
 4. Sample numbers reflect geotechnical sampling only.
 5. PID measurements recorded by DAY Environmental.
 6. (HS) = Head space sample.



Test Pit Log

Project No. 3394.0 Page 1 of 2 Test Pit No. TP10-5
 Project Name 151 Mt. Hope Avenue, Rochester, NY
 Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
 Elevation 515.6 Weather Overcast/snow Technician E. Ashley
 Date Started 02.18.10 Completed 02.18.10 Operator R. Baker
 Backhoe Subcontractor Trec Environmental Equipment J. Deere 160D excavator

TP10-5



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
2				TOPSOIL FILL: Compact red-brown moist silty SAND, trace to little gravel	0'4"
4			1.0	FILL: Compact dark brown moist silty SAND, little gravel, trace metal, glass, slag, asphalt, wood, brick few cobbles and boulders FILL: Compact black moist SAND, some silt, some gravel, some coal fragments and cinders	1'7" 2'8"
6			0.8	FILL: Firm grey moist ASH with gravel, little sand, trace to little slag, brick, wood, rock pieces	4'0"
8			0.0	Soft-medium moist to wet silty CLAY, little very fine sand	7'6"
10			0.0		
12					



Test Pit Log

Site Pictures

Project No. 3394.0 Page 2 of 2 Test Pit No. TP10-5
 Project Name 151 Mt. Hope Avenue, Rochester, NY
 Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
 Elevation 515.6 Weather Overcast/snow Technician E. Ashley
 Date Started 02.18.10 Completed 02.18.10 Operator R. Baker
 Backhoe Subcontractor Trec Environmental Equipment J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14					
16					
18					
20					
22					
24					

Test pit terminated at 14'0" 14'0"

Notes:

- Sides vertical.
- Water seepage at 7'6".
- Staked locations provided by others.
- Sample numbers reflect geotechnical sampling only.
- PID measurements recorded by DAY Environmental.



Test Pit Log

Project No. 3394.0 **Page** 1 **of** 2 **Test Pit No.** TP10-6
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 515.4 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.18.10 **Completed** 02.18.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

TP10-6



02/18/2010

Spoil Pile



02/18/2010

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
				TOPSOIL	
2				FILL: Compact red-brown moist silty fine to very fine SAND, trace to little gravel FILL: Firm dark brown moist silty SAND, little gravel, trace asphalt, brick, wood (railroad ties), few cobbles, few boulders	0'6" 1'4"
4			0.1 0.0 2.1(HS)	FILL: Compact black moist SAND, some silt, some gravel, trace to little cinders, concrete, ash, brick	3'5"
6			0.3/ 13.1(HS)	FILL: Firm grey moist ASH with gravel, little sand, little cobbles, brick, asphalt shingles, glass, organic FILL: Black moist to wet SAND, some gravel, little metal, ash, wood, silt, shoe, brick, glass	5'0" 5'10"
8					
10			2.0/ 37.5(HS)		
12			0.1	Soft grey-black moist to wet silty CLAY, little very fine sand, little organic, trace wood (possible peat layer at 11')	11'0"



Test Pit Log

Site Pictures

Project No. 3394.0 Page 2 of 2 Test Pit No. TP10-6
 Project Name 151 Mt. Hope Avenue, Rochester, NY
 Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
 Elevation 515.4 Weather Overcast/snow Technician E. Ashley
 Date Started 02.18.10 Completed 02.18.10 Operator R. Baker
 Backhoe Subcontractor Trec Environmental Equipment J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14					
16					
18					Test pit refusal at 18'0"
20					
22					
24					

Notes:

- Sides caved below 11'.
- Water seepage/flow at 7'6". Petroleum odor and rainbow
- Sheen noted by DAY Environmental.
- Staked locations provided by others.
- Sample numbers reflect geotechnical sampling only.
- PID measurements recorded by DAY Environmental.
- (HS) = Head space sample.



Test Pit Log

Project No. 3394.0 **Page** 1 of 2 **Test Pit No.** TP10-7
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 515.0 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.19.10 **Completed** 02.19.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

TP10-7



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
2			0.0	TOPSOIL FILL: Compact brown moist SAND, some silt, some gravel, few cobbles, trace brick, organic	0'6"
4			0.0	FILL: Compact black moist SAND, with coal, trace brick, wood, gravel, railroad tie, glass FILL: Compact brown moist SAND, some gravel, little silt, trace wood	3'2" 4'0"
6			0.0	FILL: Firm grey-white moist ASH, little slag, glass, metal	5'8"
8			0.0/ 0.0(HS)	Soft grey-black moist to wet organic SILT, little tree branches, trace sand, trace gravel	8'3"
10			0.0	Soft dark grey-green moist to wet SILT, some clay, little fine sand, little organic	10'3"
12			0.0		



Test Pit Log

Site Pictures

Project No. 3394.0 Page 2 of 2 Test Pit No. TP10-7
 Project Name 151 Mt. Hope Avenue, Rochester, NY
 Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
 Elevation 515.0 Weather Overcast/snow Technician E. Ashley
 Date Started 02.19.10 Completed 02.19.10 Operator R. Baker
 Backhoe Subcontractor Trec Environmental Equipment J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14					
16					
18					Test pit refusal at 17'3"
20					17'3"
22					
24					

Notes:

1. Sides vertical.
2. Water seepage flow at 8'3".
3. Staked locations provided by others.
4. Sample numbers reflect geotechnical sampling only.
5. PID measurements recorded by DAY Environmental.
6. (HS) = Head space sample.



Test Pit Log

Project No. 3394.0 Page 1 of 2 Test Pit No. TP10-8
 Project Name 151 Mt. Hope Avenue, Rochester, NY
 Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
 Elevation 514.5 Weather Overcast/snow Technician E. Ashley
 Date Started 02.19.10 Completed 02.19.10 Operator R. Baker
 Backhoe Subcontractor Trec Environmental Equipment J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
				<u>TOPSOIL</u> 0'5"	
2			0.0	FILL: Compact brown moist SAND, some silt, some gravel, trace brick, few cobbles	
4			0.0/ 0.0(HS)	FILL: Firm black moist SAND and GRAVEL, little silt organics, trace wire, wood, brick, ash, glass Metal railroad rail at 1'10" on east side of test pit. Wood railroad ties e-w direction at 2'. Ends at 8' north from test location stake. Ash layer noted on east side of test pit below the track	1'7"
6			0.0	Firm red-brown mottled moist silty m-f SAND, trace gravel	
8				8'6" 9'4"	Black moist organic SILT Soft dark grey-green SILT, some clay, little organic, fine little sand
10			0.0		
12					

Site Pictures

TP10-8



Spoil Pile





Test Pit Log

Site Pictures

Project No. 3394.0 Page 2 of 2 Test Pit No. TP10-8
 Project Name 151 Mt. Hope Avenue, Rochester, NY
 Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
 Elevation 514.5 Weather Overcast/snow Technician E. Ashley
 Date Started 02.19.10 Completed 02.19.10 Operator R. Baker
 Backhoe Subcontractor Trec Environmental Equipment J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14					
16					Refusal at 15'4" _____ 15'4"
18					
20					
22					
24					

Notes:

1. Sides vertical.
2. Dry on completion.
3. Staked locations provided by others.
4. Sample numbers reflect geotechnical sampling only.
5. PID measurements recorded by DAY Environmental.
6. Creosote odor noted 2' to 3' by DAY Environmental.
7. (HS) = Head space sample.



Test Pit Log

Project No. 3394.0 **Page** 1 of 2 **Test Pit No.** TP10-9
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 516.5 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.18.10 **Completed** 02.18.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

TP10-9



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
				TOPSOIL	
2			0.0		0'6" FILL: Firm brown moist SILT, SAND and GRAVEL, trace wood, organic, plastic, brick, fabric few cobbles
4			0.0		3'3" FILL: Firm black moist SAND and GRAVEL, little silt, some slag, some coal fragments and pieces
6					4'6" FILL: Firm grey moist ASH with sand, brick, slag, cinders, metal
			0.0		5'6" Firm red-brown moist silty SAND, some gravel
8					7'0" Medium-soft grey-black moist to wet SILT, some clay, some organic, little fine sand
10					Grades to grey-green, trace organic below 9'7"
12			0.0		

Site Pictures



**Foundation
Design, P.C.**

Test Pit Log

Site Pictures

Project No. 3394.0 **Page** 2 **of** 2 **Test Pit No.** TP10-9
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 516.5 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.18.10 **Completed** 02.18.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14					
16					Refusal at 157" _____ 157"
18					
20					
22					
24					

Notes:

1. Sides vertical.
2. Water seepage at 157" .
3. Staked locations provided by others.
4. Sample numbers reflect geotechnical sampling only.
5. PID measurements recorded by DAY Environmental.



Test Pit Log

Project No. 3394.0 **Page** 1 of 2 **Test Pit No.** TP10-10
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 516.7 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.19.10 **Completed** 02.19.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

TP10-10



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
2			0.0	TOPSOIL FILL: Firm brown moist SAND, some silt, some gravel, little organic, trace metal, wood, wire, brick, rebar, sheet metal, few cobbles, few pieces of slab rock	0'5"
4			0.0	FILL: Firm grey-white ASH intermixed with black sand and coal ash, trace brick, glass, slag	3'2"
6			0.0	Firm red-brown moist m-f SAND, some silt, little gravel, few cobbles, trace organic	6'0"
8			0.0/0.0(HS)	Soft black moist organic SILT	9'0"
10				Soft grey-green SILT, some clay, some to little fine sand, trace organic, trace wood	11'8"

Site Pictures



Test Pit Log

Site Pictures

Project No. 3394.0 **Page** 2 **of** 2 **Test Pit No.** TP10-10
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 516.7 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.19.10 **Completed** 02.19.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14					
16					Refusal at 16'1"
18					
20					
22					
24					

Notes:

1. Sides vertical.
2. Water seepage at 15'1" with running sand conditions.
3. Staked locations provided by others.
4. Sample numbers reflect geotechnical sampling only.
5. PID measurements recorded by DAY Environmental.
6. Tar-type odor noted at 9' by DAY Environmental.
7. (HS) = Head space sample.



Test Pit Log

Project No. 3394.0 **Page** 1 **of** 2 **Test Pit No.** TP10-11
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 516.1 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.18.10 **Completed** 02.18.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

TP10-11



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
2				TOPSOIL Firm grey moist CRUSHER-RUN STONE 0'6" to 0'11" FILL: Compact brown moist SAND, some silt, some gravel, trace brick, tile, organic, few pieces slab rock, few cobbles	
4			0.0	FILL: Black moist compact ASH with sand, some gravel, some slag, cinders, ash, coal, little silt, trace wood, glass, tile, ceramic pieces, metal, shingles, bottles	
6					
8			4.1/ 110(HS)		
10					
12			1.2/ 42(HS)		Medium-soft grey-green moist to wet silty CLAY, little very fine sand, trace marl, wood 11'4"



Test Pit Log

Site Pictures

Project No. 3394.0 Page 2 of 2 Test Pit No. TP10-11
 Project Name 151 Mt. Hope Avenue, Rochester, NY
 Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
 Elevation 516.1 Weather Overcast/snow Technician E. Ashley
 Date Started 02.18.10 Completed 02.18.10 Operator R. Baker
 Backhoe Subcontractor Trec Environmental Equipment J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14					
16			0.4		
18			0.1		Refusal at 17'9"
20					17'9"
22					
24					

Notes:

- Sides vertical.
- Water seepage/flow at 9'0".
- Staked locations provided by others.
- Sample numbers reflect geotechnical sampling only.
- PID measurements recorded by DAY Environmental.
- Asphalt odor noted 6' to 7' by DAY Environmental.
- (HS) = Head space sample.



Test Pit Log

Project No. 3394.0 **Page** 1 **of** 2 **Test Pit No.** TP10-12
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 516.1 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.18.10 **Completed** 02.18.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

Site Pictures

TP10-12



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
2			0.1	TOPSOIL FILL: Compact grey moist CRUSHER-RUN STONE 0'6" FILL: Compact brown moist silty SAND, some gravel, trace brick, asphalt, organic, slab rock, ash, wood	
4				FILL: Compact black moist SAND, some silt, some cinders and coal fragments FILL: Compact black moist SAND, some gravel, little to some coal, cinders, slag, concrete, brick, ash Large concrete piece noted at south end of test pit at 5'3"	4'0" 4'8"
8					
10			0.0/ 0.0(HS)		Soft to medium grey-black silty CLAY, little medium-fine sand, trace marl, wood
12					10'0"



Test Pit Log

Site Pictures

Project No. 3394.0 Page 2 of 2 Test Pit No. TP10-12
 Project Name 151 Mt. Hope Avenue, Rochester, NY
 Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
 Elevation 516.1 Weather Overcast/snow Technician E. Ashley
 Date Started 02.18.10 Completed 02.18.10 Operator R. Baker
 Backhoe Subcontractor Trec Environmental Equipment J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14					
16			0.0		Some fine sand below 15'
18					Test pit refusal at 177" <u>177"</u>
20					
22					
24					

Notes:

- Sides vertical.
- Water seepage at 8'6".
- Staked locations provided by others.
- Sample numbers reflect geotechnical sampling only.
- PID measurements recorded by DAY Environmental.
- (HS) = Head space sample.



Test Pit Log

Project No. 3394.0 **Page** 1 of 2 **Test Pit No.** TP10-13
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 516.6 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.18.10 **Completed** 02.18.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PTD (ppm)	Soil and Rock Classifications	Remarks
				TOPSOIL	
2			0.0	0'6" Compact grey moist CRUSHER-RUN STONE 1'0" FILL: Compact brown moist SILT, SAND and GRAVEL, little slab rock, trace to little concrete pieces, trace brick, rebar, wire, organic, plastic Steel H-beam noted at southeast corner of test pit at 2'5"	
4				3'6" FILL: Compact black moist SAND, some gravel, silt, cinder, ash 4'0" FILL: Firm red-brown moist SILT, some sand, trace clay 5'6" FILL: Firm grey moist ASH, little sand, little gravel	
6			0.0	6'10" FILL: Firm black moist to wet SAND, SILT and GRAVEL, trace to little brick, wood pulp, metal strips	
10			0.0 10.5		
12			0.0/ 0.2(HS)		Soft to medium grey-green moist to wet silty CLAY, little medium-fine sand

Site Pictures

TP10-13



Spoil Pile





Test Pit Log

Site Pictures

Project No. 3394.0 **Page** 2 **of** 2 **Test Pit No.** TP10-13
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 516.6 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.18.10 **Completed** 02.18.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14					
16					
18					Refusal at 18'0"
20					
22					
24					

Notes:

1. Sides vertical.
2. Water seepage/flow at 9'6".
3. Staked locations provided by others.
4. Sample numbers reflect geotechnical sampling only.
5. PID measurements recorded by DAY Environmental.
6. (HS) = Head space sample.



Test Pit Log

Project No. 3394.0 **Page** 1 **of** 1 **Test Pit No.** TP10-14
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 517.1 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.18.10 **Completed** 02.18.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

TP10-14



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
2			0.0	TOPSOIL FILL: Compact brown moist SILT, some sand, some gravel, little organic, trace brick, wood, concrete, wire, plastic, fabric, cinders, coal, steel cable, few cobbles, slab rock and boulders Wood railroad ties at 2'	0'6"
4			0.0/ 0.0(HS)	Refusal on concrete at 4'0" north end, 5'2" south end	4'0"
6					
8					
10					
12					

Notes:

1. Sides vertical.
2. Dry on completion.
3. Staked locations provided by others.
4. Sample numbers reflect geotechnical sampling only.
5. PID measurements recorded by DAY Environmental.
6. (HS) = Head space sample.



Test Pit Log

Project No. 3394.0 **Page** 1 **of** 2 **Test Pit No.** TP10-15
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 516.8 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.18.10 **Completed** 02.18.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

TP10-15



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
2			0.0	TOPSOIL Compact grey moist CRUSHER-RUN STONE FILL: Compact brown moist SILT and SAND, some gravel, trace brick, metal, wood, few cobbles and slab rock	0'8" 1'1"
4				Concrete slab noted on west end of test pit at 2'8"	
6			0.0	FILL: Firm black moist SILT, some sand, some gravel, little organic, trace wood, railroad spike, coal, slag, few cobbles	4'0"
8			2.2	FILL: Firm grey moist ASH	6'4"
10				Black moist to wet organic SILT with numerous wood branches, some sand and gravel	8'6"
12			0.0	Soft to medium black-grey-green moist to wet silty CLAY, little very fine sand	11'0"



Test Pit Log

Site Pictures

Project No. 3394.0 Page 2 of 2 Test Pit No. TP10-15
 Project Name 151 Mt. Hope Avenue, Rochester, NY
 Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
 Elevation 516.8 Weather Overcast/snow Technician E. Ashley
 Date Started 02.18.10 Completed 02.18.10 Operator R. Baker
 Backhoe Subcontractor Trec Environmental Equipment J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14					
16			0.0		Test pit terminated at 16'0"
18					
20					
22					
24					

Notes:

1. Sides vertical.
2. Water flowing at 11'.
3. Staked locations provided by others.
4. Sample numbers reflect geotechnical sampling only.
5. PID measurements recorded by DAY Environmental.



Test Pit Log

Project No. 3394.0 **Page** 1 **of** 1 **Test Pit No.** TP10-16
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 517.1 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.18.10 **Completed** 02.18.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

Site Pictures

TP10-16



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
2			0.0	TOPSOIL	FILL: Compact brown moist SILT, some sand, some gravel, trace brick, plastic, trace organic, trace metal wire, few cobbles and small boulders
4			0.0	CONCRETE SLAB	Refusal on concrete at 3'7"
6					
8					
10					
12					

Notes:
 1. Sides vertical.
 2. Dry on completion.
 3. Staked locations provided by others.
 4. Sample numbers reflect geotechnical sampling only.
 5. PID measurements recorded by DAY Environmental.



Test Pit Log

Project No. 3394.0 **Page** 1 **of** 1 **Test Pit No.** TP10-17
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 517.1 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.18.10 **Completed** 02.18.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

TP10-17

Site Pictures



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
2			0.0	TOPSOIL	FILL: Compact brown moist SILT, SAND and GRAVEL, trace organic, brick, wood, plastic, few cobbles
4					Refusal on concrete at 2'0"
6					
8					
10					
12					

Notes:

1. Sides vertical.
2. Dry on completion.
3. Staked locations provided by others.
4. Sample numbers reflect geotechnical sampling only.
5. PID measurements recorded by DAY Environmental.



Test Pit Log

Project No. 3394.0 **Page** 1 **of** 1 **Test Pit No.** TP10-18
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 517.0 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.18.10 **Completed** 02.18.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

TP10-18



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
2			0.0	TOPSOIL	FILL: Compact brown moist SILT, SAND and GRAVEL, trace brick, trace coal, few cobbles and small boulders, 0'6"
4			0.0		Refusal on concrete slab at 4'0" 4'0"
6					
8					
10					
12					

Notes:

1. Sides vertical.
2. Dry on completion.
3. Staked locations provided by others.
4. Sample numbers reflect geotechnical sampling only.
5. PID measurements recorded by DAY Environmental.



Test Pit Log

Project No. 3394.0 **Page** 1 **of** 2 **Test Pit No.** TP10-19
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 516.8 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.18.10 **Completed** 02.18.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

Site Pictures

TP10-19



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
2			0.0	TOPSOIL FILL: Compact brown moist SILT, SAND and GRAVEL, little cobbles, trace brick, coal	0'6"
4				FILL: Compact black moist SAND, little silt, slag, gravel	3'0"
6			0.0	FILL: Compact brown-black SAND, SILT and GRAVEL, trace to little wood, brick, organic, few cobbles and slab rock	4'1"
8			0.0/ 0.0(HS)	FILL: Firm grey moist ASH, little sand, trace ceramic, metal, wood	6'6"
10				Soft to medium black to grey-green silty CLAY, little medium-fine sand, trace wood	8'2"
12				Grades to some sand	



Test Pit Log

Site Pictures

Project No. 3394.0 Page 2 of 2 Test Pit No. TP10-19
 Project Name 151 Mt. Hope Avenue, Rochester, NY
 Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
 Elevation 516.8 Weather Overcast/snow Technician E. Ashley
 Date Started 02.18.10 Completed 02.18.10 Operator R. Baker
 Backhoe Subcontractor Trec Environmental Equipment J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14			0.0		
16					
18					Loose saturated sand pockets noted
20					Refusal at 17'1"
22					
24					

Notes:

1. Sides vertical.
2. Water seepage/flow at 7'6".
3. Staked locations provided by others.
4. Sample numbers reflect geotechnical sampling only.
5. PID measurements recorded by DAY Environmental.
6. (HS) = Head space sample.



Test Pit Log

Project No. 3394.0 **Page** 1 **of** 2 **Test Pit No.** TP10-20
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 516.9 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.18.10 **Completed** 02.18.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

TP10-20



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
2				TOPSOIL Broken CONCRETE SLAB FILL: Compact black moist SAND and GRAVEL, little silt, ash, coal, brick	0'10" 1'5"
4			0.0	FILL: Loose grey #1 & #2 STONE FILL: Compact red-brown moist silty SAND, some gravel, trace brick	3'6" 4'2"
6			0.0/ 0.0(HS)	FILL: Grey moist ASH, trace to little cinders, coal fragments FILL: Compact black-dark grey moist SAND, some silt, some gravel, trace organic, brick	5'8" 5'11"
8			0.0	Medium-soft Compact black moist SILT, some clay, little fine sand, trace organic	7'2"
10	S-1	10'0"			
12				Grades to grey-green, moist to wet below 11'4"	

Site Pictures



Test Pit Log

Site Pictures

Project No. 3394.0 Page 2 of 2 Test Pit No. TP10-20
 Project Name 151 Mt. Hope Avenue, Rochester, NY
 Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
 Elevation 516.9 Weather Overcast/snow Technician E. Ashley
 Date Started 02.18.10 Completed 02.18.10 Operator R. Baker
 Backhoe Subcontractor Trec Environmental Equipment J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14			0.0		
16					Test pit terminated at 15'6"
18					
20					
22					
24					

Notes:

- Sides vertical.
- Dry on completion.
- Grey pvc conduit/wires encountered/broken at 1'6" (RGE abandoned line) Moved test pit ± 15' east.
- Staked locations provided by others.
- Sample numbers reflect geotechnical sampling only.
- PID measurements recorded by DAY Environmental.
- (HS) = Head space sample.



Test Pit Log

Project No. 3394.0 **Page** 1 **of** 2 **Test Pit No.** TP10-21
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 517.1 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.19.10 **Completed** 02.19.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

TP10-21



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
2			0.0	TOPSOIL FILL: Firm brown moist SAND, some silt, some gravel, little organic, trace brick, few cobbles	0'5"
4			0.0	FILL: Firm black moist SAND, some gravel, slag, coal ash, coal fragments and pieces	3'0"
6			0.0	FILL: Compact red-brown moist SAND, some silt, some gravel, trace wood, ash pockets Grey moist ASH layer, trace to little cinders, coal fragments noted	4'4"
8			0.0	Soft black to dark grey moist to wet organic SILT, little sand, trace to little tree limbs	5'10"
10			0.0	Soft grey-green moist SILT, some clay, little sand, trace wood/organic	10'6"
12			0.0		

Site Pictures



Test Pit Log

Site Pictures

Project No. 3394.0 **Page** 2 **of** 2 **Test Pit No.** TP10-21
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 517.1 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.19.10 **Completed** 02.19.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14					
16					Test pit terminated at 16'0"
18					
20					
22					
24					

Notes:

1. Sides vertical.
2. Dry on completion.
3. Staked locations provided by others.
4. Sample numbers reflect geotechnical sampling only.
5. PID measurements recorded by DAY Environmental.



Test Pit Log

Project No. 3394.0 **Page** 1 of 2 **Test Pit No.** TP10-22
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 517.0 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.19.10 **Completed** 02.19.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

Site Pictures

TP10-22



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
2			0.0	TOPSOIL FILL: Compact brown moist SAND, some silt, some gravel, trace brick, concrete, tile, organic, few cobbles and slab rock	0'5"
4			0.0	FILL: Firm black moist SAND, some gravel, little silt, coal ash, coal fragments and pieces Red 'concrete like' slab noted from 3'6" to 3'11" on west end of test pit	3'4"
6				FILL: Compact red-brown moist SAND, some silt, some gravel, trace wood, few cobbles	4'10"
8			0.0	FILL: Firm grey-white-black moist ASH with glass, tile, cinders, slag	7'0"
10				Soft black moist organic SILT, little organic	9'5" 10'0"
12			0.0	Soft grey-green moist to wet SILT, some clay, little fine sand, trace organic	



Test Pit Log

Site Pictures

Project No. 3394.0 Page 2 of 2 Test Pit No. TP10-22
 Project Name 151 Mt. Hope Avenue, Rochester, NY
 Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
 Elevation 517.0 Weather Overcast/snow Technician E. Ashley
 Date Started 02.19.10 Completed 02.19.10 Operator R. Baker
 Backhoe Subcontractor Trec Environmental Equipment J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14					
16					
18			0.0		Soft red-brown mottled moist SILT, little clay, some fine sand Test pit terminated at 17'8"
20					
22					
24					

Notes:

- Sides vertical.
- Water seepage at 9'5".
- Staked locations provided by others.
- Sample numbers reflect geotechnical sampling only.
- PID measurements recorded by DAY Environmental.



Test Pit Log

Project No. 3394.0 **Page** 1 **of** 2 **Test Pit No.** TP10-23
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 515.6 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.19.10 **Completed** 02.19.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

TP10-23

Site Pictures



Spoil Pile



Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
2			0.0	TOPSOIL FILL: Compact red-brown moist SAND, some silt, some gravel, little cobbles, trace brick, wood, plastic, glass, metal	0'4"
4			0.0	Firm black moist SAND, some gravel, little silt, trace to little coal, wood, charred wood	2'7"
6				Compact red-brown moist silty SAND, some gravel	4'0"
8				Firm black-grey moist SAND and GRAVEL, few cobbles	5'8"
10			0.0/ 11.2(HS)	Soft black moist to wet organic SILT	8'0"
12				Soft grey-green moist SILT, some clay, little organic, little fine sand	8'10"



Test Pit Log

Site Pictures

Project No. 3394.0 **Page** 2 **of** 2 **Test Pit No.** TP10-23
Project Name 151 Mt. Hope Avenue, Rochester, NY
Client Day Environmental, Inc., 40 Commercial Street, Rochester, NY
Elevation 515.6 **Weather** Overcast/snow **Technician** E. Ashley
Date Started 02.19.10 **Completed** 02.19.10 **Operator** R. Baker
Backhoe Subcontractor Trec Environmental **Equipment** J. Deere 160D excavator

Depth Below Surface	Geotech. Sample Number	Depth of Sample	PID (ppm)	Soil and Rock Classifications	Remarks
14			0.0		Test pit terminated at 13'5"
16					
18					
20					
22					
24					

Notes:

- Sides vertical.
- Water flow at 8'0". Petroleum odor note by DAY Environmental.
- Staked locations provided by others.
- Sample numbers reflect geotechnical sampling only.
- PID measurements recorded by DAY Environmental.
- (HS) = Head space sample.

APPENDIX C



TARGET DRILLING

SOIL DESCRIPTIONS

COHESIVE SOIL

Very fine grained soils. Plastic soils that can be rolled into a thin thread if moist. Clays and silty clays show cohesion.

<u>DESCRIPTION</u>	<u>STP-BLOWS/FOOT</u>
Very Soft	0-2
Soft	3-5
Medium	6-15
Stiff	16-25
Hard	26 or more

NON-COHESIVE SOIL

Soils composed of silt, sand and gravel, showing no cohesion or very slight cohesion

<u>DESCRIPTION</u>	<u>STP-BLOWS/FOOT</u>
Loose	0-10-
Firm	11-25
Compact	26-40
Dense	41-50
Very Dense	51 or more

SOIL COMPOSITION

DESCRIPTION

ESTIMATED PERCENTAGE

and	50
some	30-49
little	11-29
trace	0-10

MOISTURE CONDITIONS

Dry, Damp, Moist, Wet, Saturated
Groundwater measured in the boring or test pit may not have reached equilibrium

SOIL STRATA:

TERM

DESCRIPTION

varved	Horizontal uniform layers or seams of soil
layer	Soil deposit more than 6" thick
seam	Soil deposit less than 6" thick
parting	Soil deposit less than 1/8" thick

EXPLANATION OF CLASSIFICATIONS AND TERMS

Boulder	Larger than 12 inches	
Cobble	3 inches to 12 inches	
Gravel - coarse	1-3 inches	
- medium	3/8 to 1 inch	
- fine	4.76mm to 3/8 inch	
Sand - coarse	2.00mm to 4.76mm	#10 sieve
- medium	0.42mm to 2.00mm	#40 sieve
- fine	0.074mm to 0.42mm	#200 sieve
Silt and Clay	finer than 0.074mm	

Standard Penetration Test: The number of blows required to drive a split spoon sampler into the soil with a 140 pound hammer dropped 30 inches. The number of blows required for each 6-inches of penetration is recorded. The number of blows required for the second and third 6-inches of penetration is termed the penetration resistance, or the "N" value

Split Spoon Sampler: Typically a 2-foot long, 2-inch diameter hollow steel tube that breaks apart or splits in two down the tube length.

Refusal: Depth in the boring where more than 100 blows per six-inches are needed to advance the sample spoon.

Core recovery (%): The total length of core recovered divided by the core run.

RQD (%): Rock Quality Designation-the total length of all the pieces of the rock core longer than four-inches divided by the core run.

Target Drilling Company
 1850 Lakeville Road
 Avon, New York 14414

Test Boring No.: B04-1
 Job No.: 4442
 Page: 1 OF 1
 Report Date: 2/20/2004

Project: TIME WARNER, MOUNT HOPE AVE. ROCHESTER
 Client: FOUNDATION DESIGN, PC
 Elevation: 516.8
 Water Level - Casing In: _____
 Below Surface - Casing Out: _____

Geologist: _____
 Driller: S. KAHN
 Start: 2/20/2004
 Completed: 2/20/2004

Seasonal and climatic changes may alter observed water levels.

0	C	Blows on Sampler				N	Sample		Soil and Rock Information
		0"/6"	6"/12"	12"/18"	18"/24"		No.	depth	
		3	6						MISC. FILL MATERIAL C/O TOPSOIL, BRICK, ASH, GLASS, SLAG, SILT, SAND AND GRAVEL
		14	17	10	13	16	1	0'0"-2'0"	
				16	20	33	2	2'0"-4'0"	MISC. FILL MATERIAL MOIST (WOOD NOTED)
5		30	20						
				17	12	37	3	4'0"-6'0"	MISC. FILL (CONCRETE NOTED)
		8	7						
				6	10	13	4	6'0"-8'0"	MISC. FILL MOIST BLACK
		13	10						
10				13	7	23	5	8'0"-10'0"	MISC. FILL MOIST 10'0"
		2	2						
				4	6	6	6	10'0"-12'0"	MEDIUM GREEN GREY MOIST ORGANIC SILT LITTLE CLAY, TRACE VF SAND
15									
		3	2						
				4	2	6	7	15'0"-17'0"	MEDIUM GREEN GREY SATURATED 17'6"
									(VERY BUMPY FROM 17'6"-19'0")
20									
		27	30						
				50/5		80/11	8	20'0"-21'5"	VERY DENSE RED BROWN MOIST F-VF SAND, SOME C-F GRAVEL, LITTLE SILT AUGERS GRINDING AUGER REFUSAL @ 24'3"
25									
30									
35									

N=No. of Blows to 2" Spoon 12" with 140 30" Ea. Blow
 N=No. of Blows to Drive Spoon _____ with _____ lb. wt _____ Ea. Blow

BORING TERMINATED @ 24'3"

 NOTES: ELEVATIONS PROVIDED BY OTHERS
 INSTALLED 2" PVC OBSERVATION WELL TO 24'0"
 WITH 3' STICKUP (10' SCREEN)

Target Drilling Company
 1850 Lakeville Road
 Avon, New York 14414

Test Boring No.: B04-2
 Job No.: 4442
 Page: 1 OF 1
 Report Date: 2/23/2004

Project: TIME WARNER, MOUNT HOPE AVE. ROCHESTER
 Client: FOUNDATION DESIGN, PC

Elevation: 54.6
 Water Level - Casing In: _____
 Below Surface - Casing Out: _____

Geologist: _____
 Driller: S. KAHN
 Start: 2/23/2004
 Completed: 2/23/2004

Seasonal and climatic changes may alter observed water levels.

0	C	Blows on Sampler				N	Sample		Soil and Rock Information
		0"/6"	6"/12"	12"/18"	18"/24"		No.	depth	
		11	10			22	1	1'0"-2'0"	MISC. FILL MATERIAL C/O TOPSOIL, CINDERS ASH, BRICK, SILT, SAND, GRAVEL ETC.
		18	18			34	2	2'0"-4'0"	MISC. FILL MATERIAL MOIST (CONCRETE)
5		13	10			17	3	4'0"-6'0"	MISC. FILL MATERIAL MOIST 6'0"
		4	3			6	4	6'0"-8'0"	MEDIUM GREEN GREY MOIST ORGANIC SILT, LITTLE CLAY
10		7	7			13	5	8'0"-10'0"	MEDIUM GREEN GREY MOIST
15		2	2			4		13'6"-15'6"	NO RECOVERY AUGERS GRINDING AND BUMPY FROM 16'6"-18'0" AUGER REFUSAL @ 18'6"
20								RUN # 1 18'6"-19'6"	(CORE BLOCKED 6" INTO RUN) MEDIUM HARD GREY DOLOMITIC LIMESTONE
								RUN # 2 19'6"-29'8"	HIGHLY FRACTURED IN UPPER 4'6" OF BEDROCK (SEVERAL CORE BARREL DROPS BEFORE SMOOTH AND UNIFORM CORING AT APPROX. 23'0" TO 29'8"
25								REC=64% RQD=50%	BORING TERMINATION) STYLOLITIC FEATURES, SHALEY PARTINGS NOTED.
30									29'8"
									BORING TERMINATED @ 29'8"
35								B	NOTES: CORED WITH SERIES "M" DOUBLE TUBE BARREL AND DIAMOND BIT ELEVATIONS PROVIDED BY OTHERS

N=No. of Blows to 2" Spoon 12" with 140 30" Ea. Blow
 N=No. of Blows to Drive Spoon _____ with _____ lb. wt _____ Ea. Blow

Target Drilling Company
 1850 Lakeville Road
 Avon, New York 14414

Test Boring No.: B04-3
 Job No.: 4442
 Page: 1 OF 1
 Report Date: 2/20/2004

Project: TIME WARNER, MOUNT HOPE AVE. ROCHESTER

Client: FOUNDATION DESIGN, PC

Elevation: 515.7

Water Level - Casing In: _____

Below Surface - Casing Out: _____

Geologist: _____

Driller: S. KAHN

Start: 2/20/2004

Completed: 2/20/2004

Seasonal and climatic changes may alter observed water levels.

0	C	Blows on Sampler				N	Sample		Soil and Rock Information
		0"/6"	6"/12"	12"/18"	18"/24"		No.	depth	
		4	7						MISC. FILL MATERIAL C/O TOPSOIL, BRICK, ASH, GLASS, SILT, SAND AND GRAVEL
		23	16	10	8	17	1	0'0"-2'0"	
				13	21	29	2	2'0"-4'0"	MISC. FILL MATERIAL C/O BRICK, CONCRETE ASH, GLASS, SILT, SAND AND GRAVEL
5		23	10					4'0"-6'0"	MISC. FILL (ODOR NOTED)
		2	2	8	7	18	3	6'0"-8'0"	MISC. FILL SATURATED (MOSTLY ASH)
		3	2	2	3	4	4	8'0"-10'0"	MISC. FILL SATURATED (CONCRETE, WOOD, GLASS)
10				2	2	4	5		
		1	1					10'0"-12'0"	SOFT GREEN GREY SATURATED CLAYEY ORGANIC SILT
		6	7	3	5	4	6	12'0"-14'0"	FIRM GREY GREEN WET SILT, LITTLE VERY FINE SAND
15		2	2	8	6	15	7	14'0"-16'0"	LOOSE GREEN GREY SATURATED (WOOD AND MARL NOTED)
		22	18	2	18	4	8	16'0"-18'0"	DENSE RED BROWN WET F-VF SAND, SOME C-F GRAVEL, LITTLE SILT
		13	13	23	17	41	9	18'0"-20'0"	COMPACT RED BROWN MOIST
20		35	25	25	30	38	10	20'0"-22'0"	VERY DENSE RED BROWN MOIST
		37	57	37	30	62	11	22'0"-23'0"	VERY DENSE RED BROWN MOIST
25									AUGERS GRINDING
									AUGER REFUSAL @ 25'6"
									BORING TERMINATED @ 25'6"
30									NOTES: ELEVATIONS PROVIDED BY OTHERS
35									

N=No. of Blows to 2" Spoon 12" with 140 30" Ea. Blow
 N=No. of Blows to Drive Spoon _____ with _____ lb. wt _____ Ea. Blow

Target Drilling Company
 1850 Lakeville Road
 Avon, New York 14414

Test Boring No.: B04-4
 Job No.: 4442
 Page: 1 OF 1
 Report Date: 2/19/2004

Project: TIME WARNER, MOUNT HOPE AVE. ROCHESTER
 Client: FOUNDATION DESIGN, PC
 Elevation: 515.5
 Water Level - Casing In: _____
 Below Surface - Casing Out: _____
 Geologist: _____
 Driller: S. KAHN
 Start: 2/19/2004
 Completed: 2/19/2004

Seasonal and climatic changes may alter observed water levels.

0	C	Blows on Sampler				N	Sample		Soil and Rock Information
		0"/6"	6"/12"	12"/18"	18"/24"		No.	depth	
		25	39						
		6	7	14	10	53	1	0'0"-2'0"	MISC. FILL MATERIAL C/O TOPSOIL, BRICK, ASH, GLASS, SLAG, CONCRETE SILT, SAND AND GRAVEL
				15	50/1	22	2	2'0"-3'7"	MISC. FILL MATERIAL MOIST
5		12	9						
				6	7	15	3	4'0"-6'0"	MISC. FILL MATERIAL MOIST
		6	5						6'6"
				7	7	12	4	6'0"-8'0"	MEDIUM GREEN GREY MOIST ORGANIC SILT, LITTLE CLAY, TRAVE VF SAND
		2	4						
10				4	8	8	5	8'0"-10'0"	MEDIUM GREEN GREY MOIST
									12'0"
		1	2						
15				2	2	4	6	13'6"-15'0"	LOOSE GREEN GREY WET TO SATURATED SILT, AND VF SAND
		2	2						19'0"
20				8		10	7	18'6"-20'0"	LOOSE GREY SATURATED M-VF SAND, SOME ORGANICS, LITTLE SILT
		27							19'8"
									21'10"
25									BORING TERMINATED @ 21'10"
									NOTES: ELEVATIONS PROVIDED BY OTHERS
30									
35									

N=No. of Blows to 2" Spoon 12" with 140 30" Ea. Blow
 N=No. of Blows to Drive Spoon _____ with _____ lb. wt _____ Ea. Blow

Target Drilling Company
 1850 Lakeville Road
 Avon, New York 14414

Test Boring No.: B04-5
 Job No.: 4442
 Page: 1 OF 1
 Report Date: 2/19/2004

Project: TIME WARNER, MOUNT HOPE AVE. ROCHESTER

Client: FOUNDATION DESIGN, PC

Elevation: 576.9

Water Level - Casing In: 10'0"

Below Surface - Casing Out: _____

Geologist: _____

Driller: S. KAHN

Start: 2/19/2004

Completed: 2/20/2004

Seasonal and climatic changes may alter observed water levels.

0	C	Blows on Sampler				N	Sample		Soil and Rock Information
		0"/6"	6"/12"	12"/18"	18"/24"		No.	depth	
		5	6					TOPSOIL AND ORGANIC MATTER 16"	
				7	7	13	1	0'0"-2'0" MISC. FILL MATERIAL C/O ASH, CINDERS, BRICK SILT, SAND AND GRAVEL (HEAVY FILLS- GRINDING)	
5		13	8						
				8	7	16	2	4'0"-6'0" MISC. FILL MATERIAL MOIST(CONCRETE / SLAG)	
		7	8						
				6	4	14	3	6'0"-8'0" MISC. FILL MATERIAL MOIST(WOOD)	
10		2	1						
				2	3	3	4	8'0"-10'0" FILL MATERIAL SATURATED (ODOR NOTED)	
		1	2						
				1	2	3		10'0"-12'0" NO RECOVERY (SOUPY) 12'0"	
		1	2					LOOSE BLACK SATURATED SILT, TRACE MARL 13'0"	
15				1	3	3	5	12'0"-14'0" LOOSE GREEN GREY SATURATED SILT AND VERY FINE SAND	
								16'6"	
20		42	22						
				27		49	6	18'6" 20'0" DENSE RED BROWN SATURATED F-VF SAND AND C-F GRAVEL, LITTLE SILT & COBBLE FRAGMENTS (VERY BUMPY)	
		27							
25		27	52			79	7	23'6"-24'6" VERY DENSE RED BROWN MOIST	
								RUN # 1 AUGER REFUSAL @ 25'6"	
								25'6"-27'8" MEDIUM HARD GREY DOLOMITIC LIMESTONE (HIGHLY FRACTURED ZONE FROM 27'-28'6")	
30								REC=85% (HIGHLY FRACTURED ZONE FROM 27'-28'6")	
								RQD=58% STYLOLITIC FEATURES, SHALEY PARTINGS	
								RUN # 2 AND VUGGS NOTED, RUN # 3 SLIGHTLY FRACTURED	
								27'8"-28'2" HORIZONTALY. CORE BLOCKED TWO TIMES IN	
								RUN # 3 UPPER 3' OF BEDROCK REGIME	
								28'2"-35'6" NOTES: CORED WITH SERIES "M" DOUBLE TUBE	
								REC=85% BARREL AND DIAMOND BIT	
35								RQD=66%	

N=No. of Blows to 2" Spoon 12" with 140
 N=No. of Blows to Drive Spoon _____ with _____

30" Ea. Blow
 lb. wt _____ Ea. Blow

BORING TERMINATED @ 35'6"

SOIL DESCRIPTIONS

COHESIVE SOIL

Very fine grained soils. Plastic soils that can be rolled into a thin thread if moist. Clays and silty clays show cohesion.

DESCRIPTION

Very Soft	Extrude between fingers when squeezed
Soft	Molded by light finger pressure
Medium	Molded by strong finger pressure
Stiff	Indented by thumb with effort
Hard	Indented by thumb nail with difficulty

NON-COHESIVE SOIL

Soils composed of silt, sand and gravel, showing no cohesion or very slight cohesion

DESCRIPTION

Loose
Firm
Compact
Dense
Very Dense

SOIL COMPOSITION

DESCRIPTION

ESTIMATED PERCENTAGE

and	50
some	30-49
little	11-29
trace	0-10

MOISTURE CONDITIONS

Dry, Damp, Moist, Wet, Saturated
Groundwater measured in the boring or test pit may not have reached equilibrium

SOIL STRATA:

TERM

DESCRIPTION

layer	Soil deposit more than 6" thick
seam	Soil deposit less than 6" thick
parting	Soil deposit less than 1/8" thick
varved	Horizontal uniform layers or seams of soil

GRAIN SIZE

MATERIAL

SIEVE SIZE

Boulder	Larger than 12 inches
Cobble	3 inches to 12 inches
Gravel - coarse	1 inch to 3 inches
- medium	3/8 inch to 1 inch
- fine	No. 4 to 3/8 inch
Sand - coarse	No. 10 to No. 4
- medium	No. 40 to No. 10
- fine	No. 200 to No. 40
Silt and Clay	Less than No. 200

Test Pit Log

Project No. 2746.0 Page 1 of 1 Test Pit No. TP04-1
 Project Name Time Warner Cable Expansion, 151 Mt. Hope Boulevard, Rochester, New York
 Client Time-Warner Cable c/o SWBR Architects, P.C., 387 East Main St., Eastman Place, Rochester, NY
 Elevation 516.1 Weather cloudy, 28° Technician E. Ashley
 Date Started 2-24-04 Completed 2-24-04 Operator Ken
 Backhoe Subcontractor K.W. Fennell Excavating Equipment Cat 318 Excavator

Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications Remarks
2			Firm brown moist TOPSOIL, trace wood, concrete, brick, 2-pieces of slab rock to 2' x 1' x 1' (FILL)
4			Loose to firm black moist ASH, trace wood, brick, wire, 1 boulder to 2' in diameter (FILL) 2'11"
6			
8			
10			Loose to firm grey wet ORGANIC SILT 8'8"
12			12'5"
14			Test pit terminated at 12'5" Notes: 1. Sides vertical. 2. Water was flowing at 9'2". 3. Elevations provided by F.D.P.C. using a finished floor elevation of as the benchmark.



Test Pit Log

Project No. 2746.0 Page 1 of 2 Test Pit No. TP04-2
 Project Name Time Warner Cable Expansion, 151 Mt. Hope Boulevard, Rochester, New York
 Client Time-Warner Cable c/o SWBR Architects, P.C., 387 East Main St., Eastman Place, Rochester, NY
 Elevation 517.4 Weather cloudy, 28° Technician E. Ashley
 Date Started 2-24-04 Completed 2-24-04 Operator Ken
 Backhoe Subcontractor K.W. Fennell Excavating Equipment Cat 318 Excavator

Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications Remarks
2			Firm brown moist TOPSOIL, little silt, little gravel, trace brick, tile, concrete, few cobbles, few boulders to 18" in diameter (FILL) Pocket of crusher-run stone at the north end of the test pit from 1' to 2'6"
4			<hr style="width: 100%;"/> 3'8" Loose black moist ASH (FILL)
6			<hr style="width: 100%;"/> 5'4" Compact brown moist SAND, some silt, some gravel, few cobbles (FILL)
8			<hr style="width: 100%;"/> 6'5" Firm black moist ASH, trace to little wood, metal, glass, brick, few cobbles (FILL)
10			
12			<hr style="width: 100%;"/> 10'6" Loose to firm grey-black mottled wet ORGANIC SILT, some sand
14			<hr style="width: 100%;"/> 13'4" Test pit terminated at 13'4"



Test Pit Log

Project No. 2746.0 Page 2 of 2 Test Pit No. TP04-2
 Project Name Time Warner Cable Expansion, 151 Mt. Hope Boulevard, Rochester, New York
 Client Time-Warner Cable c/o SWBR Architects, P.C., 387 East Main St., Eastman Place, Rochester, NY
 Elevation 517.4 Weather cloudy, 28° Technician E. Ashley
 Date Started 2-24-04 Completed 2-24-04 Operator Ken
 Backhoe Subcontractor K.W. Fennell Excavating Equipment Cat 318 Excavator

Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications Remarks
16			
18			
20			
22			
24			
26			
28			Notes: 1. Sides vertical. 2. Water encountered at 11'7". Water level at 12'8" after 15 min. 3. 2" diameter steel pipe encountered at the south end of the test pit at 4'. 4. Elevations provided by F.D.P.C. using a finished floor elevation of as the benchmark.



Test Pit Log

Project No. 2746.0 Page 1 of 1 Test Pit No. TP04-3
 Project Name Time Warner Cable Expansion, 151 Mt. Hope Boulevard, Rochester, New York
 Client Time-Warner Cable c/o SWBR Architects, P.C., 387 East Main St., Eastman Place, Rochester, NY
 Elevation 516.2 Weather cloudy, 28° Technician E. Ashley
 Date Started 2-24-04 Completed 2-24-04 Operator Ken
 Backhoe Subcontractor K.W. Fennell Excavating Equipment Cat 318 Excavator

Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications Remarks
2			Compact brown moist SILT, some sand, some gravel, trace brick, few pieces of concrete to 2' x 2' x 10" (FILL)
4			Firm black moist ASH 3'0"
6			Compact brown moist SILT, little sand, little gravel (FILL) 4'0" Firm black moist ASH, trace metal, slag, brick, gravel 4'6"
8			
10			
12			Loose to firm grey-black moist ORGANIC SILT, little fine sand 10'3" Test pit terminated at 11'0" 11'0"
14			Notes: 1. Sides vertical. 2. Dry on completion. 3. Elevations provided by F.D.P.C. using a finished floor elevation of as the benchmark.



Test Pit Log

Project No. 2746.0 Page 1 of 2 Test Pit No. TP04-4
 Project Name Time Warner Cable Expansion, 151 Mt. Hope Boulevard, Rochester, New York
 Client Time-Warner Cable c/o SWBR Architects, P.C., 387 East Main St., Eastman Place, Rochester, NY
 Elevation 514.5 Weather cloudy, 28° Technician E. Ashley
 Date Started 2-24-04 Completed 2-24-04 Operator Ken
 Backhoe Subcontractor K.W. Fennell Excavating Equipment Cat 318 Excavator

Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications
			Remarks
2			TOPSOIL _____ 1'0" Firm brown moist SILT, some topsoil, some sand, little gravel, trace brick, ash, few cobbles, few boulders
4			
6			
8			_____ 6'0" Loose to firm grey-black moist to wet ORGANIC SILT with organic layers
10			
12			
14			



44B State Street • Holley, New York 14470
Ph: (585) 638-0134 • Fax: (585) 638-0135

Client: Foundation Design
335 Colfax Street
Rochester, NY 14606

Project: Time Warner Cable
(#2746.0)

Date: 3/4/04
Project No.: 04-128
Report No.: 215

Sample Location: (Sampled by Client)

Dear Mr. Netzband:

Attached are the results of laboratory tests completed by our representative on 3/2/04 for the above referenced project. The samples were provided by Foundation Design and delivered to our representative on 3/4/04.

Samples were logged in, stored and tested, consistent with applicable ASTM standards. All samples were labeled by your office and designations are noted in the attachments. Any special conditions, procedures or irregularities noted during laboratory analysis are listed below.

- Sample B04-1, S-2 was reduced in the laboratory by the quartering method prior to analysis.

Basic Foundations appreciates the opportunity to do business with you. Our goal is to provide outstanding service in a timely fashion. If you have any questions, need additional information or if we can be of further assistance in any manner, please do not hesitate to call.

Sincerely,

BASIC FOUNDATIONS, INC.

A handwritten signature in black ink, appearing to read 'W. Kernan', is written over a horizontal line.

William Kernan
President

Attachments: Table 1 – Water Content
Table 2 – Organic Content
Figure 1 – Particle Size Distribution

This report and/or enclosed test data is the confidential property of the client to whom it is addressed and pertains to the specific process and/or material evaluated. As such, information contained herein shall not be reproduced in part or full and/or any part thereof be disclosed without Basic Foundation, Inc.'s written authorization.

44B State Street • Holley, New York 14470 • Phone (585) 638-0134 • Fax (585) 638-0135



Table 1 Water Content

Time Warner Cable

Source	Sample	Depth	Water Content (%)
B04-3	S-12	22' - 23'	8.9
B04-5	S-6	18' - 20'	9.3

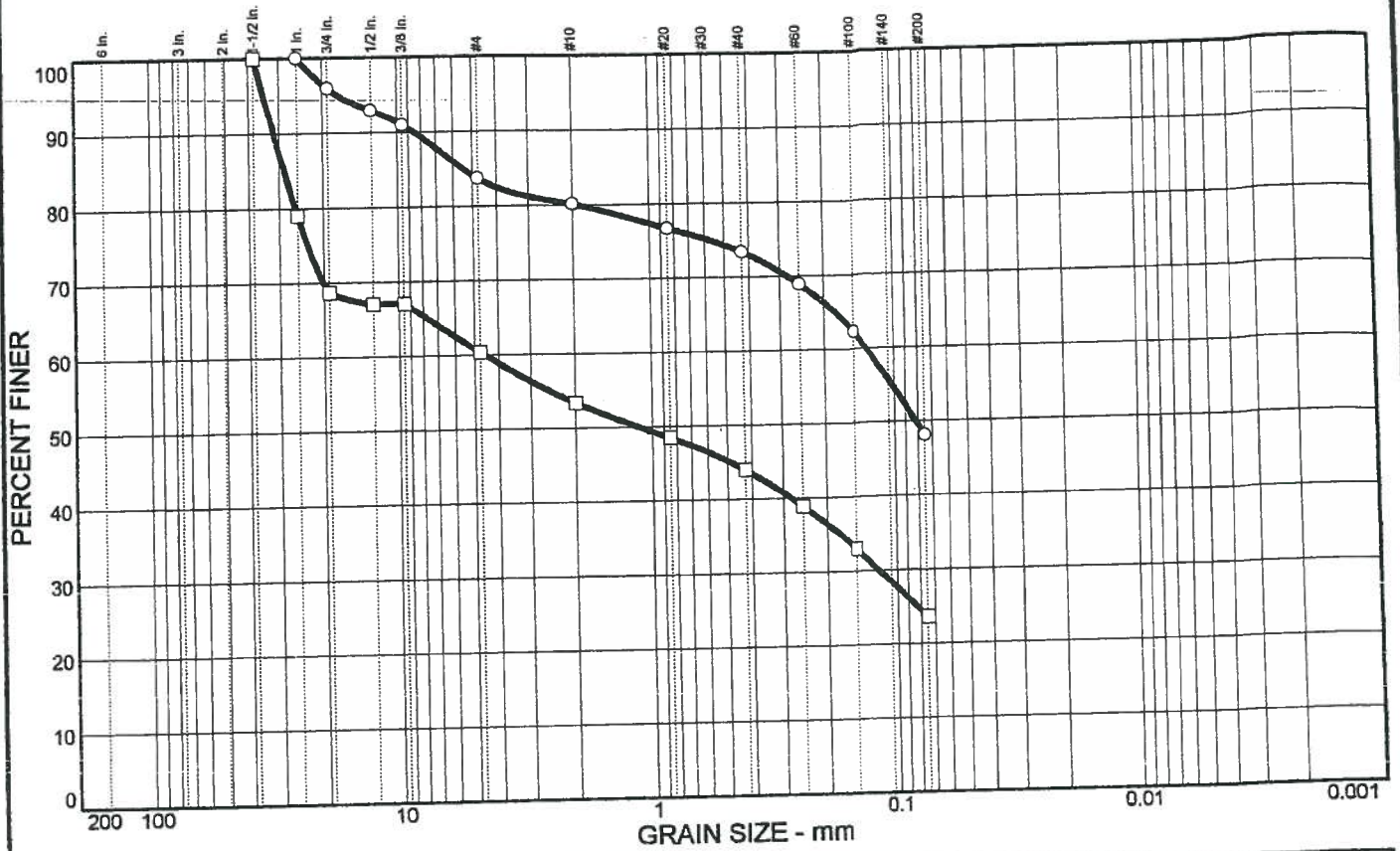
Table 2 Organic Content

Time Warner Cable

Source	Sample	Depth	Ash Content (%)	Organic Content (%)	Moisture Content (%)
B04-1	S-2	2' - 4'	68.6	31.4	20.6
B04-1	S-5	8' - 10'	97.6	2.4	13.4
B04-1	S-7	15' - 17'	96.6	3.4	25.4
B04-2	S-5	8' - 10'	93.4	6.6	29.7
B04-4	S-5	8' - 10'	95.4	4.6	22.9
B04-5	S-5	12' - 14'	99.0	1.0	17.3

- Note:**
- All tests performed at 440° Celsius.
 - Ash & Organics are calculated as a percentage of "oven dried" sample.
 - Moisture content calculated as percentage of "as-received" sample.

Particle Size Distribution Report



	% + 3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	AASHTO	PL	LL
○		16.3	35.6	48.1					
□		39.6	36.8	23.6					

SIEVE inches size	PERCENT FINER	
	○	□
1.5"	100.0	100.0
1"	100.0	79.0
.75"	95.9	68.7
.5"	92.9	67.1
.375"	91.0	67.1
GRAIN SIZE		
D ₆₀	0.131	4.55
D ₃₀		0.119
D ₁₀		
COEFFICIENTS		
C _c		
C _u		

SIEVE number size	PERCENT FINER	
	○	□
#4	83.7	60.4
#10	80.1	53.4
#20	76.7	48.5
#40	73.4	44.0
#60	68.9	38.9
#100	62.4	33.0
#200	48.1	23.6

SOIL DESCRIPTION

○

□

REMARKS:

○

□

○ Source: B04-3
 □ Source: B04-5

Sample No.: S-12
 Sample No.: S-6

Elev./Depth: 22' - 23'
 Elev./Depth: 18' - 20'

BASIC
 FOUNDATIONS, INC.

Client: Foundation Design (#2746.0)
 Project: Time Warner Cable
 Project No.: 04-128

APPENDIX D

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TW-1

Project: Mt. Hope Ave., Rochester, NY

Project No: 3374S-03

DAY Representative: D. Peck

Boring Location: See Site Plan

Drilling Contractor: Marcor of NY

Ground Surface Elevation: NA

Datum: NA

Drilling Rig: Geoprobe 6400

Start Date: 1/08/04

Completion Date: 1/08/04

Sampling Method: Direct Push

Borehole Diameter: 2.0"

Borehole Depth: 20.0'

Completion Method: Backfilled with cuttings

Water Level: Approximately 10.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or ROID %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Brown and Black interbedded Silt, Sand and Gravel, little Ash and Cinders, moist (FILL)
2	NA	S-1	0-1	80	NA			
3						0.0		
4								
5						0.0		Gray-Yellow Cinders/Ash, moist (FILL)
6	NA	S-2	1-3	80	NA			
7						0.0		
8						0.0		Gray Silty SAND, wet
9						0.0		
10	NA	S-3	8-12	80	NA			
11						0.0		... black, organic odor
12						0.0		Tan/Gray fine SAND, little rounded Gravel, wet
13						0.0		
14	NA	S-4	12-16	70	NA			
15						0.0		
16						0.0		BOH @ 20.0'
17						0.0		
18	NA	S-5	16-20	80	NA			
19						0.0		
20								
21								
22								
23								

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TW-2

Project: Mt. Hope Ave., Rochester, NY

Project No: 3374S-03

DAY Representative: D. Peck

Boring Location: See Site Plan

Drilling Contractor: Marcor of NY

Ground Surface Elevation: NA

Datum: NA

Drilling Rig: Geoprobe 5400

Start Date: 1/08/04

Completion Date: 1/08/04

Sampling Method: Direct Push

Borehole Diameter: 2.0"

Borehole Depth: 20.0'

Completion Method: Backfilled with cuttings

Water Level: Approximately 11.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1								Intermixed Silt, Sand, Gravel, Bricks, moist (FILL)
2	NA	S-1	0-4	80	NA	0.0		
3								
4								
5						0.0		Yellow/Gray Ash and Cinders, moist (FILL)
6	NA	S-2	4-8	70	NA	0.0		
7						0.0		
8								Gray fine SAND, wet
9						0.0		
10	NA	S-3	8-12	80	NA	0.0		
11						0.0		... Approximately 3" seam with black stain and petroleum odor
12								
13						0.0		
14	NA	S-4	12-16	80	NA	680		
15						3.3		... running fine SAND at 16-17.5'
16								
17						29.8		
18	NA	S-5	16-20	90	NA			
19						0.0		
20								BOH @ 20.0'
21								
22								
23								

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TW-3

Project: Mt. Hope Ave., Rochester, NY

Project No: 33749-03

DAY Representative: D. Peck

Boring Location: See Site Plan

Drilling Contractor: Marcor of NY

Ground Surface Elevation: NA

Datum: NA

Drilling Rig: Geoprobe 5400

Start Date: 1/09/04

Completion Date: 1/09/04

Sampling Method: Direct Push

Borehole Diameter: 2.0"

Borehole Depth: 20.0'

Completion Method: Backfilled with cuttings

Water Level: Approximately 13.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Reworked Silt, Sand, Gravel, Bricks, moist (FILL)
2	NA	S-1	0-4	80	NA			
3						0.0		... little, interbedded Ash
4						0.0		
5						0.0		... slight petroleum odor
6	NA	S-2	4-8	80	NA			
7						0.0		Tan/Gray fine SAND, wet, slight petroleum odor
8						0.0		
9						0.0		... 8" rock fragments (boulder?)
10	NA	S-3	8-12	70	NA	11.3		
11						18.1		... running SAND 16-17.5'
12						6.7		
13						38.4		BOH @ 20.0'
14	NA	S-4	12-16	80	NA			
15						131		
16						13.9		
17								
18	NA	S-5	16-20	90	NA			
19								
20								
21								
22								
23								

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TW-4

Project: Mt. Hope Ave., Rochester, NY

Project No: 3374S-03

DAY Representative: D. Peck

Boring Location: See Site Plan

Drilling Contractor: Marcor of NY

Ground Surface Elevation: NA

Datum: NA

Drilling Rig: Geoprobe 5400

Start Date: 1/08/04

Completion Date: 1/08/04

Sampling Method: Direct Push

Borehole Diameter: 2.0"

Borehole Depth: 20.0'

Completion Method: Backfilled with cuttings

Water Level: Approximately 11.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Reworked Silt, Sand and Gravel, moist (FILL)
2	NA	S-1	0-4	90	NA	0.0		
3						0.0		... trace Bricks
4						0.0		
5						0.0		
6	NA	S-2	4-8	90	NA	0.0		Tan fine SAND, wet ... becoming gray
7						0.0		
8						0.0		BOH @ 20.0'
9						0.0		
10	NA	S-3	8-12	80	NA	0.0		
11						0.0		
12						0.0		
13						0.0		
14	NA	S-4	12-16	70	NA	0.0		
15						0.0		
16						0.0		
17						0.0		
18	NA	S-5	16-20	80	NA	0.0		
19						0.0		
20						0.0		
21						0.0		
22						0.0		
23						0.0		

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TW-5

Project: Mt. Hope Ave., Rochester, NY

Project No: 3374S-03

DAY Representative: D. Peck

Boring Location: See Site Plan

Drilling Contractor: Marcor of NY

Ground Surface Elevation: NA

Datum: NA

Drilling Rig: Geoprobe 6400

Start Date: 1/08/04

Completion Date: 1/08/04

Sampling Method: Direct Push

Borehole Diameter: 2.0"

Borehole Depth: 12.0'

Completion Method: Backfilled with cuttings

Water Level: Approximately 7.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Tan reworked Silt, Sand and Gravel, moist (FILL)
2	NA	8-1	0-4	80	NA			
3						25.8		
4								... slight petroleum odor at approximately 3.5-4.0'
5						0.0		... no odor
6	NA	8-2	4-8	70	NA			
7						0.0		... wet
8								
9						3.0		
10	NA	8-3	8-12	80	NA	47.6		... black stained Sand and Gravel (FILL) with petroleum odor
11						711		
12								BOH @ 12.0'
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TW-6

Project: Mt. Hope Ave., Rochester, NY

Project No: 3374S-03

DAY Representative: D. Peck

Boring Location: See Site Plan

Drilling Contractor: Marcor of NY

Ground Surface Elevation: NA

Datum: NA

Drilling Rig: Geoprobe 6400

Start Date: 1/08/04

Completion Date: 1/08/04

Sampling Method: Direct Push

Borehole Diameter: 2.0"

Borehole Depth: 20.0'

Completion Method: Backfilled with cuttings

Water Level: Approximately 12.5'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Reworked Silt, Sand and Gravel, moist (FILL)
2	NA	S-1	0-4	70	NA			
3						0.0		... some intermixed Ash (FILL)
4								
5						0.0		
6	NA	S-2	4-8	30	NA			
7						0.0		Gray Silty SAND, little Gravel, moist
8								
9						0.0		
10	NA	S-3	8-12	50	NA			
11						0.0		... black, organic odor
12								Tan SAND, little Gravel, wet
13						0.0		
14	NA	S-4	12-16	70	NA			
15						0.0		... running SAND at 16.0-17.0'
16								
17						0.0		
18	NA	S-5	16-20		NA			
19						0.0		
20								BOH @ 20.0'
21								
22								
23								

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TW-7

Project: Mt. Hope Ave., Rochester, NY

Project No: 33749-03

DAY Representative: D. Peck

Boring Location: See Site Plan

Drilling Contractor: Marcor of NY

Ground Surface Elevation: NA

Datum: NA

Drilling Rig: Geoprobe 6400

Start Date: 1/08/04

Completion Date: 1/08/04

Sampling Method: Direct Push

Borehole Diameter: 2.0"

Borehole Depth: 20.0'

Completion Method: Backfilled with cuttings

Water Level: Approximately 13.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Reworked Silt, Sand and Gravel, moist (FILL)
2	NA	S-1	0-4	80	NA			
3						0.0		
4								... some interbedded Ash and Bricks
5						0.0		
6	NA	S-2	4-8	70	NA			
7						0.0		... Sand and Gravel (FILL)
8								
9						11.4		
10	NA	S-3	8-12	80	NA			Tan fine to medium SAND, moist, strong petroleum odor
11						1198		
12								
13						1041		... wet
14	NA	S-4	12-16	80	NA			
15						1223		
16								
17						853		
18	NA	S-5	16-20	40	NA			
19						58.2		
20								BOH @ 20.0'
21								
22								
23								

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TW-8

Project: Mt. Hope Ave., Rochester, NY

Project No: 3374S-03

DAY Representative: D. Peck

Boring Location: See Site Plan

Drilling Contractor: Marcor of NY

Ground Surface Elevation: NA

Datum: NA

Drilling Rig: Geoprobe 5400

Start Date: 1/08/04

Completion Date: 1/08/04

Sampling Method: Direct Push

Borehole Diameter: 2.0"

Borehole Depth: 10.0'

Completion Method: Backfilled with cuttings

Water Level: Not Encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Reworked Silt, Sand and Gravel, moist (FILL)
2	NA	S-1	0-4	80	NA			
3						0.0		
4								Gray Silt, little Sand, moist (FILL)
5								
6	NA	S-2	4-8	80	NA			
7						0.5		... organic odor
8								
9	NA	S-3	8-10	80	NA	0.0		... Concrete
10								
11								Refusal @ 10.0'
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TW-MW-9

Project: Mt. Hope Ave., Rochester, NY
DAY Representative: D. Peck
Drilling Contractor: Marcor of NY
Drilling Rig: Geoprobe 5400
Sampling Method: Direct Push
Completion Method: 1" PVC Well

Project No: 33749-03
Boring Location: See Site Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 1/08/04 **Completion Date:** 1/08/04
Borehole Diameter: 2.0" **Borehole Depth:** 20.0'
Water Level: 12.8' on January 28, 2004

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or FROD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Reworked Silt, Sand and Gravel, moist (FILL)
2	NA	S-1	0-4	80	NA			
3						0.0		Gray SILT, trace Sand, moist
4								
5						0.0		... organic odor
6	NA	S-2	4-8	70	NA			
7						0.0		... wet
8								
9						0.0		... SILT and CLAY
10	NA	S-3	8-12	60	NA			
11						0.0		... fine SAND, little Gravel
12								
13						0.0		BOH @ 20.0'
14	NA	S-4	12-16	70	NA			
15						0.0		
16						0.0		
17						0.0		
18	NA	S-5	16-20	60	NA			
19						0.0		
20								
21								
22								
23								

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TW-MW-10

Project: Mt. Hope Ave., Rochester, NY
DAY Representative: D. Peck
Drilling Contractor: Mascor of NY
Drilling Rig: Geoprobe 8400
Sampling Method: Direct Push
Completion Method: 1" PVC Well

Project No: 33743-03
Boring Location: See Site Plan
Ground Surface Elevation: NA
Start Date: 1/08/04
Borehole Diameter: 2.0"
Water Level: 15.4' on January 28, 2004
Datum: NA
Completion Date: 1/08/04
Borehole Depth: 20.0'

Depth (feet)	Strokes per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Reworked Silt, Sand and Gravel, moist (FILL.)
2	NA	8-1	0-4	80	NA			
3						0.0		
4								
5						0.0		
6	NA	8-2	4-8	80	NA			
7						0.0		
8								
9						0.0		
10	NA	8-3	8-12	60	NA			
11						0.0		
12								
13						0.0		Tan/Gray fine SAND, little Gravel, wet
14	NA	8-4	12-16	80	NA			
15						0.0		
16								
17								
18	NA	8-5	16-20		NA			
19								
20								
21								BOH @ 20.0'
22								
23								

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-101

Project: Mt. Hope Project

Project No: 2506S-00

DAY Representative: A. Farrell

Boring Location: See Site Plan

Drilling Contractor: Lyon Drilling

Ground Surface Elevation: NA

Datum: NA

Drilling Rig: CME 55

Start Date: 05/04/01

Completion Date: 05/07/01

Sampling Method: 4' acetate sleeve

Borehole Diameter: 3 inches

Borehole Depth: 16.2 feet

Completion Method: Backfilled with cuttings

Water Level: Not encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Tan Sand, Silt, Gravel, Roots, Cinders, damp (FILL)
2		S-1	0-4	90	NA	0.0		
3						9.7		Brown Sand, Silt, Gravel, Cinders, Brick, damp (FILL)
4						22.4		... slight weathered petroleum odor
5						29.3		
6		S-2	4-8	90	NA	208		... dark staining with strong petroleum odor
7						240		
8						110		Reddish brown Silty SAND, some Gravel, damp to moist
9						35.8		
10		S-3	8-11	70	NA	29.5		... seam of Rock fragments
11						33.0		
12						57		... grades to Silty SAND and GRAVEL
13		S-4	11-14	60	NA	402		.. Rock fragments
14						186		... odors decreasing
15						90.7		... angular Rock fragments
16		S-5	14-16.2	50	NA	60.6		
17						23.8		
18						18.1		
19						7.3		
20						0.6		Refusal @ 16.2'

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BORING NUMBER: TB-102

Project: Mt. Hope Project

Project No: 2506S-00

DAY Representative: J. Dorely

Boring Location: See Site Plan

Drilling Contractor: Lyon Drilling

Ground Surface Elevation: NA

Datum: NA

Drilling Rig: CME 55

Start Date: 05/04/01

Completion Date: 05/04/01

Sampling Method: 4' acetate sleeve

Borehole Diameter: 3 inches

Borehole Depth: 18.0 feet

Completion Method: Backfilled with cuttings

Water Level: Not encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Tan Sand, Silt, Gravel, Roots, damp (FILL)
2		S-1	0-4	75	NA	0.0		... seam of Gravel
3						0.0		Dark brown Sand, Silt, Gravel, Ash, Brick, Coal, damp (FILL)
4						0.0		
5						0.0		
6		S-2	4-8	50	NA	0.0		
7						0.0		
8						0.0		
9						0.0		
10		S-3	8-12	70	NA	7.2		Black Sand, Gravel, Cinders, Silt, Ash, Rock fragments, moist (FILL)
11						29.3		... Strong petroleum odor
12						140		
13						224		
14		S-4	12-16	60	NA	2003		Reddish brown to gray Silt, SAND and GRAVEL, trace Clay, moist
15						461		
16						103		
17		S-5	16-18	50	NA	64.1		... Rock fragments
18						27.6		
19						10.2		
20								Refusal @ 18.0'

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BORING NUMBER: TB-103

Project: Mt. Hope Project
DAY Representative: J. Dorety
Drilling Contractor: Lyon Drilling
Drilling Rig: CME 55
Sampling Method: 4' acetate sleeve
Completion Method: Backfilled with cuttings

Project No: 2506S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 05/04/01 **Completion Date:** 05/07/01
Borehole Diameter: 3 inches **Borehole Depth:** 18.0 feet
Water Level: Not encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Tan and Brown Sand, Silt, Gravel, Wood, Organics, damp (FILL)
2		S-1	0-4	75	NA	0.0		
3						0.0		
4						0.0		
5						0.0		Tan Sand, Silt, Organics, Clay, moist (FILL)
6		S-2	4-8	50	NA	0.0		
7						0.0	... dark staining with slight weathered petroleum odor at 7.5'	
8						1.7		... Brick fragments, coarse Sand, Cinders, wei ... strong petroleum odor
9		S-3	8-11	70	NA	7.9		
10						3.2		
11						1.4		
12		S-4	11-14	60	NA	0.8		Tan Silty SAND, some Gravel, damp
13						50.7		Reddish Brown Silty SAND and GRAVEL, trace Clay, moist
14						13.7		
15						3.5		
16		S-5	14-18	50	NA	1.7		... angular Rock fragments
17						0.3		
18						0.1		
19						0.1		Refusal @ 18.0'
20								

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BORING NUMBER: TB-104

Project: Mt. Hope Project

Project No: 2506S-00

DAY Representative: J. Dorety

Boring Location: See Site Plan

Drilling Contractor: Lyon Drilling

Ground Surface Elevation: NA

Datum: NA

Drilling Rig: CME 55

Start Date: 05/04/01

Completion Date: 05/07/01

Sampling Method: 4" acetate sleeve

Borehole Diameter: 3 inches

Borehole Depth: 16.3 feet

Completion Method: Backfilled with cuttings

Water Level: Not encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Tan Silt, Sand, Gravel, Roots, Glass, Cinders, damp (FILL)
2		S-1	0-4	90	NA	0.0		
3						0.0		Brown Silt, Sand, Gravel, Clay, Organics, Brick, Ash, damp (FILL)
4						12.4		... weathered petroleum odor
5						56.6		
6		S-2	4-8	90	NA	12.8		... seam of Gravel
7						67.9		
8						53.1		
9						57.8		... dark staining
10		S-3	8-12	80	NA	47.1		... intermixed Ash, Brick, Wood
11						77.8		
12						74.1		
13		S-4	12-14	60	NA	217		
14						131		
15		S-5	14-18	50	NA	38.4		Reddish brown Silty SAND and GRAVEL, moist
16						19.0		... petroleum odors decreasing
17						1.3		Refusal @ 16.3'
18								
19								
20								

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BORING NUMBER: TB-122

Project: Mt. Hope Project

Project No: 2506S-00

DAY Representative: J. Dorety

Boring Location: See Site Plan

Drilling Contractor: Lyon Drilling

Ground Surface Elevation: NA

Datum: NA

Drilling Rig: CME 55

Start Date: 05/04/01

Completion Date: 05/07/01

Sampling Method: 4' acetate sleeve

Borehole Diameter: 3 inches

Borehole Depth: 18.1 feet

Completion Method: Backfilled with cuttings

Water Level: Approximately 14 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Tan Sand, Silt, Gravel, Roots, Cinders, damp (FILL)
2		S-1	0-4	80	NA	0.0		Brown Sand, Silt, Gravel, Cinders, Ash, Asphalt, damp (FILL)
3						0.0		Tan and brown Silt, Sand, Gravel, Clay, Cinders, Ash, moist (FILL)
4						0.0		
5						0.0		
6		S-2	4-8	40	NA	0.0		Reddish Brown Sand, Ash, Slag, Coal, Cinders, Brick, damp (FILL)
7						0.0		
8						0.0		
9						0.0		
10		S-3	8-12	70	NA	0.0		Dark Brown Silt, Organics, fine Sand, Clay, moist (FILL)
11						0.0		Olive Gray Silty CLAY, little fine Sand, moist
12						0.0		
13						0.0		
14		S-4	12-16	50	NA	0.0		... wet
15						0.0		
16						0.0		
17		S-5	16-18.1	40	NA	0.0		Reddish gray Silty SAND and GRAVEL, trace Clay, damp
18						0.0		
19								Refusal @ 18.1'
20								

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BORING NUMBER: TB-123

Project: Mt. Hope Project
DAY Representative: J. Blanchard
Drilling Contractor: Lyon Drilling
Drilling Rig: CME 55
Sampling Method: 4' acetate sleeve
Completion Method: Backfilled with cuttings

Project No: 2506S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 05/09/01 **Completion Date:** 05/09/01
Borehole Diameter: 3 inches **Borehole Depth:** 18.0 feet
Water Level: Approximately 13.4 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Brown Sand and Cobbles, little Slag, damp (FILL)
2		S-1	0-4	80	NA	0.0		
3						0.0		----- Brown to tan Silt and Clay, little Slag and Wood, damp (FILL)
4						0.0		
5						0.0		
6		S-2	4-8	70	NA	0.0		
7						0.0		
8						0.0		
9						0.0		... layer of Slag
10		S-3	8-12	85	NA	0.0		... layer of Peat
11						0.0		
12						0.0		Gray, CLAY, little Silt, moist
13						0.0		
14		S-4	12-16	100	NA	0.0		... wet
15						0.0		... little Cobbles
16						0.0		
17		S-5	16-18	100	NA	0.0		
18						0.0		Refusal @ 18.0'
19								
20								

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BORING NUMBER: TB-124

Project: Mt. Hope Project

Project No: 2506S-00

DAY Representative: J. Blanchard

Boring Location: See Site Plan

Drilling Contractor: Lyon Drilling

Ground Surface Elevation: NA

Datum: NA

Drilling Rig: CME 55

Start Date: 05/09/01

Completion Date: 05/09/01

Sampling Method: 4' acetate sleeve

Borehole Diameter: 3 inches

Borehole Depth: 19.0 feet

Completion Method: Backfilled with cuttings

Water Level: Approximately 15.6 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Brown Sand, Silt and Gravel, little Cobbles and Brick, trace Slag, damp (FILL)
2		S-1	0-4	100	NA	0.0		
3						0.0		
4								
5						0.0		Brown Sand, little Silt, little Clay, little Slag, trace glass, damp (FILL)
6		S-2	4-8	70	NA	0.0		
7						0.0		
8								... little Clay
9						0.0		
10		S-3	8-12	85	NA	0.0		Brown SAND and GRAVEL, little Clay, trace Cobbles, moist
11						0.0		
12								
13						0.0		Brown to gray SAND, moist to wet
14		S-4	12-16	100	NA	0.0		
15						0.0		
16								
17						0.0		... little Gravel
18		S-5	16-19	100	NA	0.0		
19						0.0		
20								Refusal @ 19.0'

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BORING NUMBER: TB-125

Project: Mt. Hope Project

Project No: 2506S-00

DAY Representative: J. Blanchard

Boring Location: See Site Plan

Drilling Contractor: Lyon Drilling

Ground Surface Elevation: NA

Datum: NA

Drilling Rig: CME 55

Start Date: 05/09/01

Completion Date: 05/09/01

Sampling Method: 4" acetate sleeve

Borehole Diameter: 3 inches

Borehole Depth: 20.0 feet

Completion Method: Backfilled with cuttings

Water Level: Approximately 17.4 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Brown Sand and Gravel, little Cobbles, damp (FILL)
2		S-1	0-4	100	NA	0.0		
3						0.0		... little Clay
4						0.0		
5						0.0		
6		S-2	4-8	70	NA	0.0		
7						0.0		
8						0.0		... trace Slag
9						0.0		
10		S-3	8-12	100	NA	0.0		... trace Brick
11						0.0		Brown SAND and SILT, little Clay, trace Cobbles, damp
12						0.0		Brown CLAY, little Gravel, trace Cobbles, damp
13						0.0		
14		S-4	12-16	100	NA	0.0		
15						0.0		Brown SAND and GRAVEL, some Cobbles, moist
16						0.0		
17		S-5	16-18	90	NA	0.0		... wet
18						0.0		
19		S-6	18-20	70	NA	0.0		
20						0.0		BOH @ 20.0'

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BORING NUMBER: TB-A

Project: Mt. Hope Project

Project No: 2506S-00

DAY Representative: A. Farrell

Boring Location: See Site Plan

Drilling Contractor: Lyon Drilling

Ground Surface Elevation: NA

Datum: NA

Drilling Rig: NA

Start Date: 05/24/01

Completion Date: 05/24/01

Sampling Method: GeoProbe

Borehole Diameter: 3 inches

Borehole Depth: 16.3 feet

Completion Method: Backfilled with cuttings

Water Level: Approximately 10.6 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Brown, Sand, Silt, Brick, Asphalt, Ash, Slag, moist
2		S-1	0-4	95	NA	0.0		
3						0.0		
4						0.0		
5						0.0		Light Tan Brick, Ash, Slag, Coal, Clay, Sand, moist (FILL)
6		S-2	4-8	70	NA	0.0		
7						0.0		
8						0.0		... seam of rust coloring ... wet
9						0.0		
10		S-3	8-12	60	NA	0.0		
11						0.0		Dark Brown Silty SAND, some Clay, some Gravel, wet
12						0.0		
13						0.0		
14		S-4	12-16.3	60	NA	0.0		
15						0.0		Refusal @ 16.3'
16						0.0		
17						0.0		
18						0.0		
19						0.0		
20						0.0		

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BORING NUMBER: TB-B

Project: Mt. Hope Project

Project No: 2506S-00

DAY Representative: A. Farrell

Boring Location: See Site Plan

Drilling Contractor: Lyon Drilling

Ground Surface Elevation: NA

Datum: NA

Drilling Rig: CME 55

Start Date: 05/24/01

Completion Date: 05/24/01

Sampling Method: GeoProbe Sampler

Borehole Diameter: 3 inches

Borehole Depth: 20.0 feet

Completion Method: Backfilled with cuttings

Water Level: Approximately 12 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Brown, Silt, Sand, Asphalt, Brick, Ash, Moist (FILL)
2		S-1	0-4	90	NA	0.0		
3						0.0		Dark Brown to Red coarse Sand, some Gravel, Moist (FILL)
4						0.0		
5						0.0		
6		S-2	4-8	60	NA	0.0		Dark Brown Silty coarse SAND, some Gravel, moist
7						0.0		
8						0.0		
9						0.0		
10		S-3	8-12	20	NA	0.0		... wet
11						0.0		
12						0.0		
13						0.0		
14		S-4	12-16	50	NA	0.0		
15						0.0		... seam of fractured rock
16						0.0		
17						0.0		
18		S-5	16-20	30	NA	0.0		
19						0.0		
20								BOH @ 20.0'
21								

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BORING NUMBER: TB-1

Project: Mt. Hope Avenue, Rochester, New York
 DAY Representative: Dennis M. Peck
 Drilling Contractor: Nothnagle Drilling
 Drilling Rig: CME-75
 Sampling Method: Macro Core
 Completion Method: Backfilled with cuttings

Project No: 2395S-00
 Boring Location: See Site Plan
 Ground Surface Elevation: NA Datum: NA
 Start Date: 8/23/00 Completion Date: 8/23/00
 Borehole Diameter: 3 inches Borehole Depth: 19.1 feet
 Water Level: Approximately 12 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1								Grass, topsoil.
2	NA	S-1	0-4	80	NA	0.3		Tan Fine Sand and Gravel, moist (FILL).
3						0.3		Black Cinders and Coal (FILL).
4								... yellow/black Ash.
5								... black fine cinders, moist.
6		S-2	4-8	60		0.4		
7								
8								Green/Gray SILT, little Sand, trace Clay, moist, black streaks, swampy odor.
9								
10		S-3	9-12	50		0.5		
11								
12								GRAVEL, wet.
13								Green/Gray fine SAND, wet.
14		S-4	12-16	60		0.4		
15								... color change to tan at approximately 15.8'-16.0'.
16								
17								... medium SAND, wood.
18		S-5	16-19.12			0.5		... Rock Fragments. Equipment Refusal.
19								
20								BOH at 19.1'.

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BORING NUMBER: TB-2

Project: Mt. Hope Avenue, Rochester, New York
 DAY Representative: Dennis M. Peck
 Drilling Contractor: Nothnagle Drilling
 Drilling Rig: CME-75
 Sampling Method: Macro Core
 Completion Method: Backfilled with cuttings

Project No: 2395S-00
 Boring Location: See Site Plan
 Ground Surface Elevation: NA Datum: NA
 Start Date: 8/23/00 Completion Date: 8/23/00
 Borehole Diameter: 3 inches Borehole Depth: 20 feet
 Water Level: Approximately 12 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1								Grass and topsoil.
2	NA	S-1	0-4	70	NA	0.4		... Brown Sand and Gravel, trace bricks, moist (FILL).
3								
4								Black fine to medium cinders, moist (FILL).
5								
6		S-2	4-8	60		0.2		
7								
8								Gray fine SAND and SILT, trace Gravel, damp.
9								
10		S-3	8-12	20		0.1		
11								
12								... wet at approximately 12 feet.
13								... Gray to Black (13'-14').
14		S-4	12-16	90		0.5		Green/Gray fine SAND.
15								
16								
17								... SILT and SAND, trace Clay.
18		S-5	16-20					
19								SAND and GRAVEL
20								BOH at 20'.

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BORING NUMBER: TB-5

Project: Mt. Hope Avenue, Rochester, New York

DAY Representative: Dennis M. Peck

Drilling Contractor: Nothnagle Drilling

Drilling Rig: CME-75

Sampling Method: Macro Core

Completion Method: Backfilled with cuttings

Project No: 2395S-00

Boring Location: See Site Plan

Ground Surface Elevation: NA

Start Date: 8/23/00

Borehole Diameter: 3 inches

Water Level: Approximately 14 feet

Datum: NA

Completion Date: 8/23/00

Borehole Depth: 18.9 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1								Grass and topsoil.
2	NA	S-1	0-4	80	NA	4.5		Brown Sand and Gravel, little Silt, moist (FILL).
3								
4								
5								
6		S-2	4-8	60		7.3		
7								
8								
9								
10		S-3	8-12	30		28.3		Gravel and Black coarse Cinders, (FILL), petroleum odor, damp.
11								
12								
13						24.5		Gray fine SAND, little Gravel (GLACIAL TILL), damp, slight petroleum odor.
14		S-4	12-16	90				
15								
16						1.0		
17								
18		S-5	16-18.9	80		11.7		... slight petroleum odor.
19								Equipment refusal.
20								BOH at 18.9'

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BORING NUMBER: TB-9

Project: Mt. Hope Avenue, Rochester, New York
 DAY Representative: Dennis M. Peck
 Drilling Contractor: Nothnagle Drilling
 Drilling Rig: CME-75
 Sampling Method: Macro Core
 Completion Method: Backfilled with cuttings

Project No: 2395S-00
 Boring Location: See Site Plan
 Ground Surface Elevation: NA
 Start Date: 8/23/00
 Borehole Diameter: 3 inches
 Water Level: Approximately 14 feet
 Datum: NA
 Completion Date: 8/23/00
 Borehole Depth: 20 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1								Grass and topsoil.
2	NA	S-1	0-4	80	NA	0.0		Gravel (FILL). Black coarse Cinders and Ash (FILL).
3								
4								
5								
6		S-2	4-8	80		0.0		Gray SILT, little Gravel, trace Sand, moist.
7								
8								
9								
10		S-3	8-12	80		0.0		... Gray/Green SILT, some Clay, black streaks, damp.
11								
12								
13								... SILT and CLAY, trace wood.
14		S-4	12-16	80		0.0		Gray/Green fine SAND, little Silt, wet.
15								
16								
17								
18		S-5	16-20	70		0.0		... medium SAND lenses.
19								
20								BOH at 20'.

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BORING NUMBER: TB-36

Project: Mt. Hope Avenue, Rochester, New York
 DAY Representative: Dennis M. Peck
 Drilling Contractor: Nothnagle Drilling
 Drilling Rig: CME-75
 Sampling Method: Macro Core
 Completion Method: Backfilled with cuttings

Project No: 2395S-00
 Boring Location: See Site Plan
 Ground Surface Elevation: NA
 Start Date: 8/28/00
 Borehole Diameter: 3 inches
 Water Level: approximately 12 feet
 Datum: NA
 Completion Date: 8/28/00
 Borehole Depth: 17.8 feet

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1								Grass and Topsoil.
2	NA	S-1	0-4	70	NA	0.0		Brown Silt and Gravel (FILL), moist. ... Bricks. ... Rock Fragments. ... Coarse Cinders 3-5 feet.
3								
4								
5								
6		S-2	4-8	40		0.1		Brown Silt, little fine Sand, little Bricks (FILL), moist.
7								
8								
9								Tan-Gray SILT and CLAY, damp.
10		S-3	8-12	90		0.0		... Silty SAND, little Clay, damp/wet.
11								... SILT, little Clay, little Sand, damp/wet.
12								
13								
14		S-4	12-15	90		0.0		
15								
16								
17		S-5	16-17.8	90				Equipment Refusal.
18								BOH at 17.8'
19								
20								

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BORING NUMBER: MW-1

Project: Mt. Hope Avenue, Rochester, New York
DAY Representative: Dennis M. Peck
Drilling Contractor: Nothnagle Drilling
Drilling Rig: CME-75
Sampling Method: Split Spoon
Completion Method: 2" PVC Well

Project No: 2395S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 8/29/00 **Completion Date:** 8/29/00
Borehole Diameter: 8" **Borehole Depth:** 20 feet
Water Level: 16.17 BTC at 0730 - 8/30/00

Depth (feet)	Blows per 0.5	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	7 11 18 21	S-1	0-2	50	29	0.9		Grass and topsoil.
2	57 100-3	S-2	2-2.8	20	100+	0.6		Brown Silt and Gravel, moist (FILL). Note: rock in sample tip.
3								
4								
5	5 5 4 4	S-3	4-6	30	9	3.2		
6								
7	3 3 2 3	S-4	6-8	40	5	18.0		... black staining, petroleum odor, moist.
8								
9	1 4 7 4	S-5	8-10	40	11	911		... Sand, little Silt, strong petroleum odor, damp/wet.
10								
11	3 11 18 23	S-6	10-12	40	29	714		... Rock Fragments.
12								
13	21 17 18 15	S-7	12-14	40	35	79.0		Gray SILT and fine SAND, (GLACIAL TILL) trace Gravel, wet, odors decreasing, black streaks.
14								
15	7 14 18 24	S-8	14-16	60	32	14.2		
16								fine SAND, trace Gravel, wet.
17	34 29 25 26	S-9	16-18	90	54	6.7		... medium to coarse SAND, wet.
18								
19	29 24 32 40	S-10	18-20	90	56	5.7		... fine SAND and GRAVEL.
20								BOH at 20'.

Day Environmental, Inc.
 2144 Brighton-Henrietta T.L. Rd.
 Rochester, New York 14623
 (716) 292-1090

BORING NUMBER: MW-7

Project: Mt. Hope Avenue, Rochester, New York
DAY Representative: Dennis M. Peck
Drilling Contractor: Nothnagle Drilling
Drilling Rig: CME-75
Sampling Method: Split Spoon
Completion Method: 2" PVC Monitoring Well

Project No: 2395S-00
Boring Location: See Site Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 8/31/00 **Completion Date:** 8/31/00
Borehole Diameter: 8" **Borehole Depth:** 20 feet
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	3 10 7 7	S-1	0-2	30	17	0.4		Grass and topsoil.
2								Brown Silt, little Gravel (FILL).
3	7 10 12 12	S-2	2-4	40	22	0.5		Black fine to coarse Cinders, moist (FILL).
4								Brown Silt, little Gravel, trace Bricks, moist (FILL).
5	6 10 5 5	S-3	4-6	30	15	0.5		
6								... Gray/Brown fine SAND, some Silt, trace Gravel, damp.
7	8 6 5 2	S-4	6-8	40	11	0.5		
8								
9	1 2 2 2	S-5	8-10	40	4	0.4		... Gray/Green SILT and CLAY, damp.
10								
11	2 2 4 5	S-6	10-12	60	6	0.6		
12								
13	4 4 4 4	S-7	12-14	60	8	0.6		
14								
15	WH WH WH 1	S-8	14-16	80	0	0.7		... fine SAND and CLAY, wet.
16								
17	6 6 12 12	S-9	16-18	60	18	0.7		... Medium SAND, some Silt, little Gravel, wet.
18								
19	3 8 16 26	S-10	18-20	60	24			Gray very fine SAND, little Silt, trace Gravel (Glacial Till), wet.
20								BOH at 20'.

APPENDIX C

**Test Boring Logs and
Well Construction Diagrams**



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 4302S-09
 Project Address: 151 Mt. Hope Avenue
 Rochester, NY
 DAY Representative: C. Hampton
 Drilling Contractor: Nothnagle
 Sampling Method: 2" Split Spoon/Rotary Auger

TEST BORING MW10-1

Page 1 of 2

Ground Elevation: 517.06' Datum: 514.18'
 Date Started: 5/5/2010 Date Ended: 5/5/2010
 Borehole Depth: 18.8' Borehole Diameter: 8"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level (Date): 10.12' BTOC (5-18-10)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	3						0.0	TOPSOIL	
	7	S-1	0-2	95	24	0.0	0.0	Dense, Dark Brown, Sandy Silt, little coarse to fine Gravel, Glass, Brick, Concrete,	
	17						0.0	Ash, Organics, Damp (FILL)	
2	18								
3	7	S-2	2-4	60	11	0.0	0.0	...Medium Dense	
	6						0.0		
	5						0.0		
	6							Loose, Black, ASH, moist (FILL)	
4	6	S-3	4-6	95	15	0.1	0.0	Medium Dense, Light Brown, Silty Sand, little fine Gravel, Coal Fragments,	
	7						0.1	moist (FILL)	
	8						0.0		
	8								
5	4	S-4	6-8	75	8	0.2	0.0	Loose, Gray, ASH, moist (FILL)	
	4						0.0	Loose, Black, Silty Sand, Mottled, Concrete fragments, trace med. gravel, moist (FILL)	
	4						0.0	Loose, Gray, ASH, moist (FILL)	
	3								
6	2	S-5	8-10	65	8	0.4	0.0	Loose, Light Brown, Sandy Silt, Brick, Ash, little coarse to fine Gravel, moist (FILL)	
	4						0.0	...Black	
	4						0.0		
7	2	S-6	10-12	80	4	0.4	0.0	Gray/Black, Ash, Sand, Wood, wet (FILL)	
	1						0.0	Very Loose, Gray, fine to very fine SAND and SILT, little organics, trace Clay,	
	2						0.0	trace Roots, Marl, Wood, moist	
	4								
8	2	S-7	12-14	85	5	0.4	0.0	...Loose, wet	
	2						0.0		
	3						0.0		
	4								
9	1	S-8	14-16	75	3	0.3	0.0		
	1						0.0	Soft, Brown, SILT, some very fine Sand, little Clay	
	2						0.0		
	2								

- Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
 4) NA = Not Available or Not Applicable
 5) Headspace PID readings may be influenced by moisture

TEST BORING MW10-1

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 4302S-09
 Project Address: 151 Mt. Hope Avenue
 Rochester, NY
 DAY Representative: C. Hampton
 Drilling Contractor: Nothnagle
 Sampling Method: 2" Split Spoon/Rotary Auger

TEST BORING MW10-1

Page 2 of 2

Ground Elevation: 517.06' Datum: 514.18'
 Date Started: 5/5/2010 Date Ended: 5/5/2010
 Borehole Depth: 18.8' Borehole Diameter: 8"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level (Date): 10.12' BTOC (5-18-10)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17	2						0.0		
	2	S-9	16-18	90	4	0.1	0.0		
	2						0.0		
	2						0.0		
18	8	S-10	18-18.6	100	NA		0.0		
19	50/1							...Rock fragments, trace Silt and Sand in base of sampler	-Augered 18.6'-18.8'
20								Split Spoon Refusal @ 18.6' Auger Refusal @ 18.8'	
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

- Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
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 4) NA = Not Available or Not Applicable
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TEST BORING MW10-1

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Project #: 4302S-09
 Project Address: 151 Mt. Hope Avenue
 Rochester, NY
 DAY Representative: C. Hampton
 Drilling Contractor: Nothnagle
 Sampling Method: 2" Split Spoon/Rotary Auger

TEST BORING MW10-2

Page 1 of 2

Ground Elevation: 515.74' Datum: 514.18'
 Date Started: 5/5/2010 Date Ended: 5/5/2010
 Borehole Depth: 25.0' Borehole Diameter: 8"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level (Date): 8.94' BTOC (5-18-10)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	3						0.0	TOPSOIL	
	5	S-1	0-2	80	14	0.2	0.0	Medium Dense, Red/Brown Silt and Sand, little Gravel, trace Roots, moist (FILL)	
	9						0.0	Medium Dense, Dark Brown, Silt, some very fine Sand, Coal fragments, Organics,	
2	11						0.0	Brick, Concrete, moist (FILL)	
3	11	S-2	2-4	85	19	0.4	0.0		
	8						0.0	...Brown/Black	
4	8						0.0		
5	1	S-3	4-6	55	15	57.1	3.3		
	8						21.6		Black Staining, Petroleum-type odor
6	7								
7	6	S-4	6-8	5	6	73.0	NA		
	3								
	3								
8	3								
9	1	S-5	8-10	70	5	10.1	10.5	Loose, Black, Ash, wet (FILL)	
	4						8.1	Soft, Black, Clayey SILT, little very fine SAND, Wood, Organics, wet	-Sheen/Black Staining/Petroleum-type odor
	1						6.2		
10	2								
	2	S-6	10-12	55	4	6.4	3.9	...Gray, mottled	
	2						4.2		
12	2								
13	1	S-7	12-14	0	4	NA	NA		
	2								
	2								
14	3								
15	1	S-8	14-16	95	2	2.9	1.3	Very Loose, Gray/Black, Silty very fine SAND, trace to little Clay, wet	
	1						2.5	Very Loose, Black/Gray SAND, wet	
	1						2.4		
16	1								

- Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
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 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
 4) NA = Not Available or Not Applicable
 5) Headspace PID readings may be influenced by moisture

TEST BORING MW10-2

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 4302S-09
 Project Address: 151 Mt. Hope Avenue
 Rochester, NY
 DAY Representative: C. Hampton
 Drilling Contractor: Nothnagle
 Sampling Method: 2" Split Spoon/Rotary Auger

TEST BORING MW10-2

Page 2 of 2

Ground Elevation: 515.74' Datum: 514.18'
 Date Started: 5/5/2010 Date Ended: 5/5/2010
 Borehole Depth: 25.0' Borehole Diameter: 8"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level (Date): 8.94' BTOC (5-18-10)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17	11	S-9	16-18	95	27	7.3	0.2	Medium Dense, Gray/Black GRAVEL with Rock fragments, trace Sand, trace Silt, wet	
	0.5								
	0.6								
18	22	S-10	18-20	25	51	2.5	0.0	...Very Dense	
19	23						0.0		
	28						0.0		
20	28	S-11	20-22	0	61	NA	0.0	Very Dense, Red/Brown, Silty SAND with Gravel, wet	
21	29						0.0		
	32						0.0		
22	42	S-12	22-24	95	58	0.4	0.0		
23	22						0.0		
	36						0.0		
24	40	S-13	24-25	100	NA	0.9	0.0		-Augered 24.7' - 25'
	23						0.0		
25	50/2								
26								Split Spoon Refusal @ 24.7'	
27								Auger Refusal @ 25.0'	
28									
29									
30									
31									
32									

- Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
 4) NA = Not Available or Not Applicable
 5) Headspace PID readings may be influenced by moisture

TEST BORING MW10-2

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 4302S-09
 Project Address: 151 Mt. Hope Avenue
 Rochester, NY
 DAY Representative: C. Hampton
 Drilling Contractor: Nothnagle
 Sampling Method: 2" Split Spoon/Rotary Auger

TEST BORING MW10-3

Page 1 of 2

Ground Elevation: 514.63' Datum: 514.18'
 Date Started: 5/5/2010 Date Ended: 5/5/2010
 Borehole Depth: 24.1 Borehole Diameter: 8"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level (Date): 16.45' BTOC (5-18-10)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
9							0.0	TOPSOIL	
11	S-1	0-2	95	23	0.0	0.0	0.0	Medium Dense, Brown, Sandy Silt, little Gravel, Brick, Coal, Concrete, Organics, damp (FILL)	
12						0.0			
12									
6	S-2	2-4	50	11	0.0	0.0	0.0	...Loose, moist	
6						0.0	0.0		
5							0.0		
5									
2	S-3	4-6	45	7	0.2	0.0	0.0	...Gray ASH fragments	
3						0.0	0.0		
4							0.0		
2	S-4	6-8	55	4	0.0	0.0	0.0	Loose, Gray, Ash, Some Brick, little Silt, little Sand, moist (FILL)	
2						0.0	0.0		
2							0.0		
3									
3	S-5	8-10	15	6	0.1	0.0	0.0	Soft, Brown, SILT, little fine Sand, little Clay, little Gray Ash, moist (FILL)	
3						0.0	0.0		
3									
1	S-6	10-12	55	4	0.0	0.0	0.0	Soft, Brown, SILT, little fine Sand, little Clay, moist	
2						0.0	0.0		
2							0.0		
3									
5	S-7	12-14	75	4	0.0	0.0	0.0	Very Stiff, Red/Brown, Sandy SILT, trace fine to medium Gravel, moist	
2						0.0	0.0		
2							0.0		
4									
6	S-8	14-16	60	26	0.0	0.0	0.0		
12							0.0		
14							0.0		
16							0.0		

- Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
 4) NA = Not Available or Not Applicable
 5) Headspace PID readings may be influenced by moisture

TEST BORING MW10-3

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 4302S-09
 Project Address: 151 Mt. Hope Avenue
 Rochester, NY
 DAY Representative: C. Hampton
 Drilling Contractor: Nothnagle
 Sampling Method: 2" Split Spoon/Rotary Auger

TEST BORING MW10-3

Page 2 of 2

Ground Elevation: 514.63' Datum: 514.18'
 Date Started: 5/5/2010 Date Ended: 5/5/2010
 Borehole Depth: 24.1 Borehole Diameter: 8"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level (Date): 16.45' BTOC (5-18-10)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17	22						0.0		
	13	S-9	16-18	95	27	0.1	0.0		
	14						0.0		
18	12							Dense, Gray, Silty SAND, little fine to medium Gravel, wet	
	8						0.0	...Red/Brown, Rock fragments	
19	21	S-10	18-20	95	43	0.0	0.0		
	22						0.0		
20	24								
	15						0.0		
21	16	S-11	20-22	95	28	0.0	0.0	...Medium Dense	
	12						0.0		
22	12								
	16						0.0		
23	17	S-12	22-24	100	40	0.0	0.0	...Dense	
	23						0.0		
24	26								
	50/1	S-13	24-24.1	100	NA	NA	0.0		
25								Split Spoon Refusal @ 24.1'	
26								Auger Refusal @ 24.1'	
27									
28									
29									
30									
31									
32									

- Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
 4) NA = Not Available or Not Applicable
 5) Headspace PID readings may be influenced by moisture

TEST BORING MW10-3

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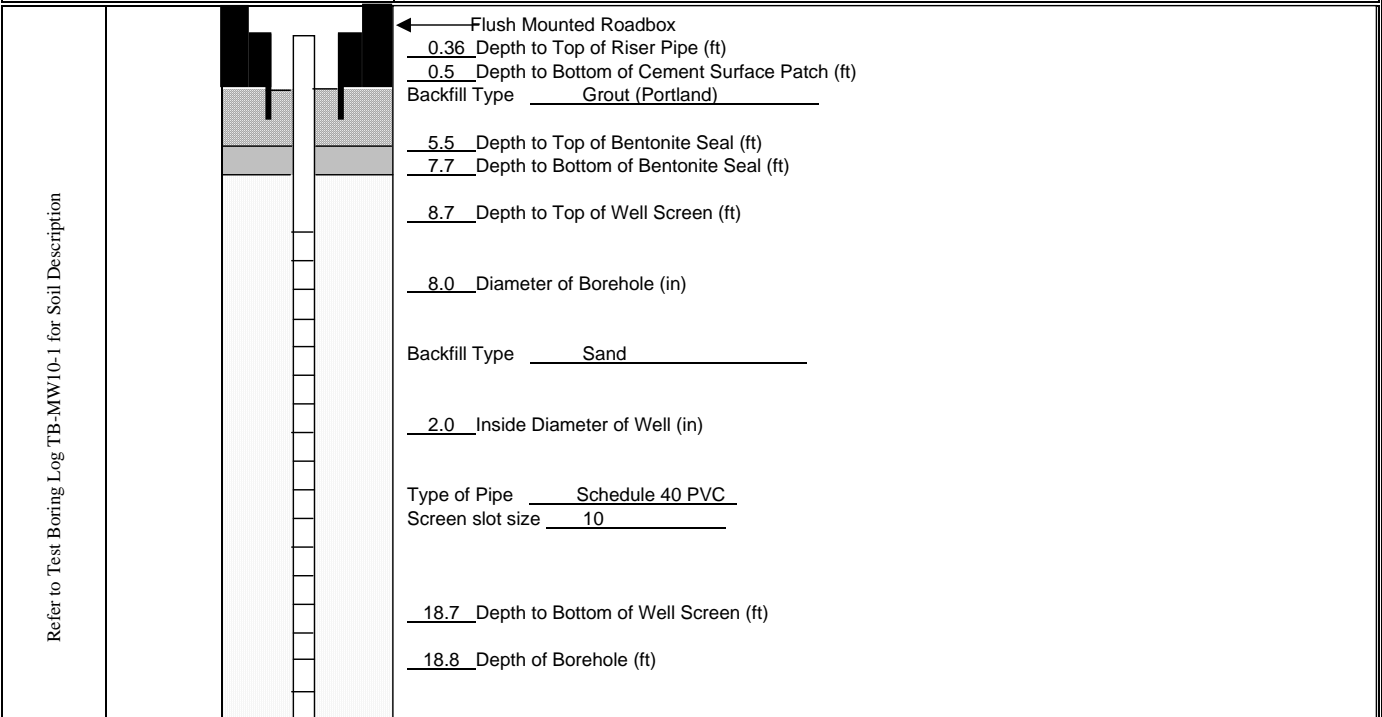
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MONITORING WELL CONSTRUCTION DIAGRAM

Project #:	4302S-09			MONITORING WELL MW10-1	
Project Address:	151 Mt. Hope Avenue				
	Rochester, NY	Ground Elevation:	517.06'	Datum:	514.18'
DAY Representative:	C. Hampton	Date Started:	5/5/2010	Date Ended:	5/5/2010
Drilling Contractor:	Nothnagle	Water Level (Date):		10.12' BTOC (5-18-10)	



Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) NA = Not Available or Not Applicable

MONITORING WELL MW10-1

CAH0262

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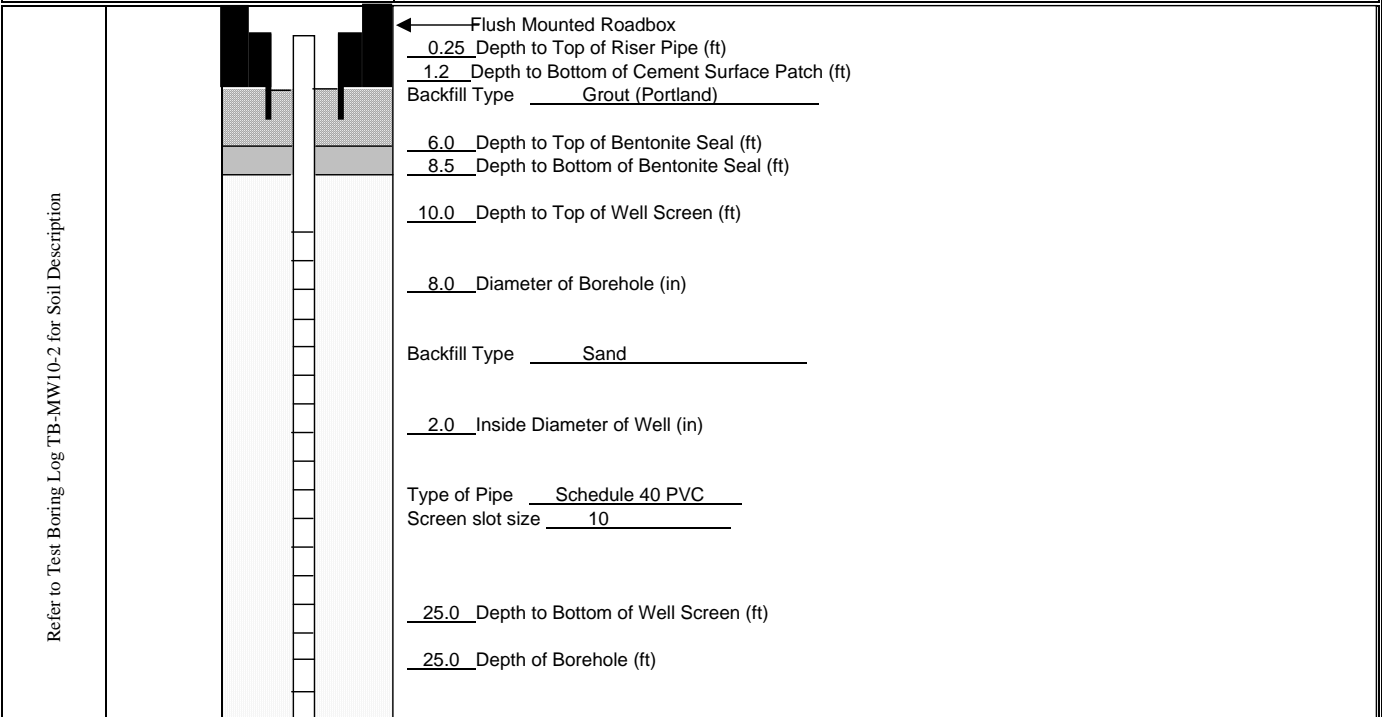
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AN AFFILIATE OF DAY ENGINEERING, P.C.

MONITORING WELL CONSTRUCTION DIAGRAM

Project #:	4302S-09			MONITORING WELL MW10-2	
Project Address:	151 Mt. Hope Avenue				
	Rochester, NY	Ground Elevation:	515.74'	Datum:	514.18'
DAY Representative:	C. Hampton	Date Started:	5/5/2010	Date Ended:	5/5/2010
Drilling Contractor:	Nothnagle	Water Level (Date): 8.94' BTOC (5-18-10)			



Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) NA = Not Available or Not Applicable

MONITORING WELL MW10-2

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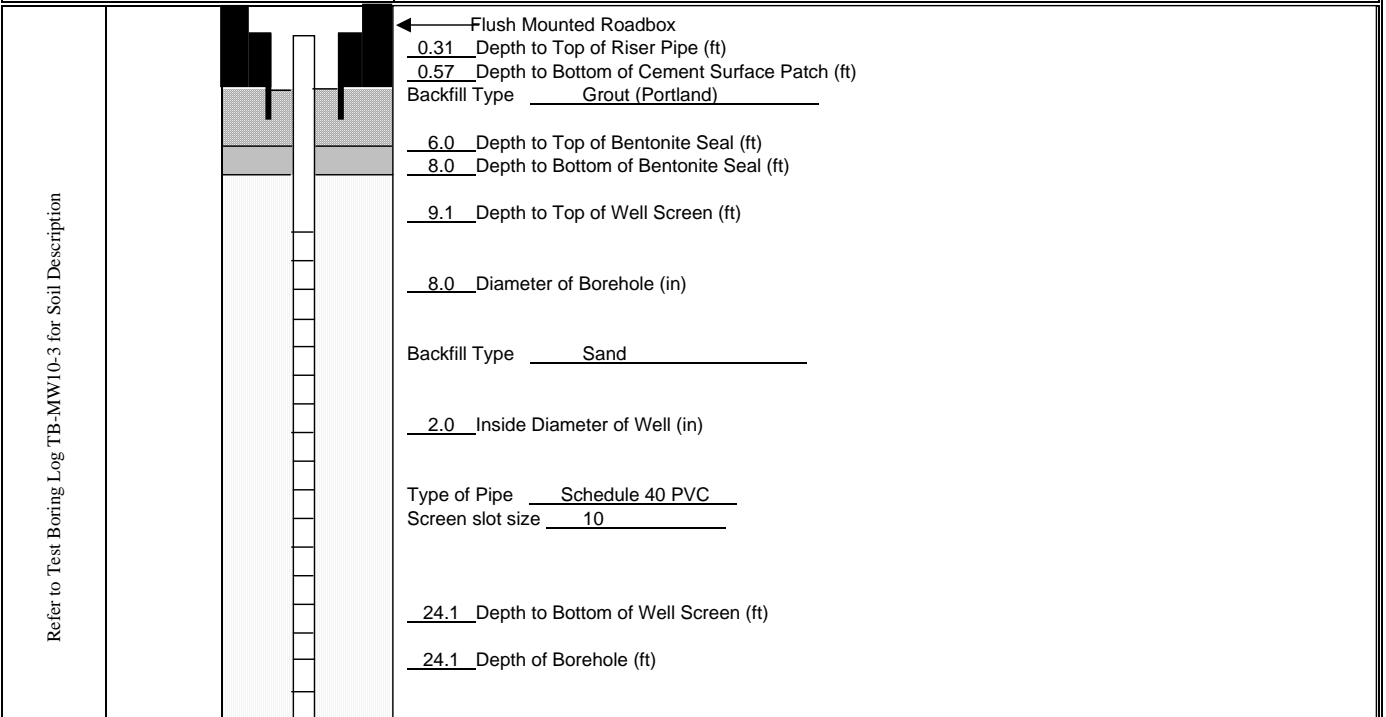
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AN AFFILIATE OF DAY ENGINEERING, P.C.

MONITORING WELL CONSTRUCTION DIAGRAM

Project #:	4302S-09			MONITORING WELL MW10-3	
Project Address:	151 Mt. Hope Avenue				
	Rochester, NY	Ground Elevation:	514.63'	Datum:	514.18'
DAY Representative:	C. Hampton	Date Started:	5/6/2010	Date Ended:	5/6/2010
Drilling Contractor:	Nothnagle	Water Level (Date): 16.45' BTOC (5-18-10)			



Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) NA = Not Available or Not Applicable

MONITORING WELL MW10-3

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APPENDIX D

**Well Development Logs and
Monitoring Well Sampling Logs**

**WELL DEVELOPMENT DATA
MW10-1**

SITE LOCATION: 151 Mt. Hope Avenue, Rochester, New York

JOB#: 4302S-09

DATE/ TIME	5-18-10 9:05	5-18-10 9:20	5-18-10 9:30	5-18-10 9:40	5-18-10 9:50			
EVACUATION METHOD	Bailer	Bailer	Bailer	Bailer	Bailer			
PID/FID (PPM)	1.6	NA	NA	NA	NA			
DEPTH OF WELL (FT)	18.45	18.45	18.45	18.46	18.48	18.49		
STATIC WATER LEVEL (SWL) FT	10.12	10.19	11.70	12.42	13.98			
VOLUME EVACUATED (GAL)	0	2	2	2	1			
TOTAL VOLUME EVACUATED (GAL)	0	2	4	6	7			
TEMPERATURE (°C)	10.5	9.8	9.9	10.2	9.9			
pH	6.52	6.63	6.68	6.85	6.82			
ORP (mV)	-123	-125	-121	-118	-119			
CONDUCTIVITY (s/m)	0.140	0.130	0.133	0.133	0.132			
TURBIDITY (NTU)	152.0	>800	>800	>800	>800			
VISUAL OBSERVATION	Slightly cloudy with little odor	Very cloudy, strong odor	Very cloudy, strong odor	Very cloudy, strong odor	Very cloudy, strong odor			

LEGEND: NC = Not Collected
D = Not Detected
* = Not Measurable

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614

**WELL DEVELOPMENT DATA
MW10-2**

SITE LOCATION: 151 Mt. Hope Avenue, Rochester, New York

JOB#: 4302S-09

DATE/ TIME	5-18-10 10:20	5-18-10 10:30	5-18-10 10:40	5-18-10 10:55	5-18-10 11:05	5-18-10 11:15	5-18-10 11:25	5-18-10 11:30
EVACUATION METHOD	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer
PID/FID (PPM)	5.1	NA	NA	NA	NA	NA	NA	NA
DEPTH OF WELL (FT)	23.89	23.91	23.91	23.97	23.99	24.01	24.01	24.02
STATIC WATER LEVEL (SWL) FT	8.94	9.06	9.26	9.60	9.75	9.98	10.15	10.21
VOLUME EVACUATED (GAL)	0	2	2	2	2	2	2	1
TOTAL VOLUME EVACUATED (GAL)	0	2	4	6	8	10	12	13
TEMPERATURE (°C)	10.2	10.5	10.3	10.1	10.3	10.0	9.8	10.0
pH	6.96	7.32	7.43	7.15	7.39	7.28	7.23	7.35
ORP (mV)	-149	-126	-115	-127	-127	-128	-134	-138
CONDUCTIVITY (s/m)	0.173	0.172	0.170	0.168	0.168	0.171	0.170	0.165
TURBIDITY (NTU)	170.0	>800	>800	>800	>800	>800	>800	>800
VISUAL OBSERVATION	Clear with Odor	Cloudy with Odor	Cloudy with Odor	Cloudy, Slight Sheen, Odor	Cloudy, Slight Sheen, Odor	Cloudy, Slight Sheen, Odor	Cloudy, Slight Sheen, Odor	Cloudy, Slight Sheen, Odor

LEGEND: NC = Not Collected
D = Not Detected
* = Not Measurable

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614

**WELL DEVELOPMENT DATA
MW10-3**

SITE LOCATION: 151 Mt. Hope Avenue, Rochester, New York

JOB#: 4302S-09

DATE/ TIME	5-18-10 11:50	5-18-10 12:00	5-18-10 12:15	5-18-10 12:25				
EVACUATION METHOD	Bailer	Bailer	Bailer	Bailer				
PID/FID (PPM)	0.5	NA	NA	NA				
DEPTH OF WELL (FT)	23.86	23.89	23.89	23.89				
STATIC WATER LEVEL (SWL) FT	16.45	18.36	19.71	21.95				
VOLUME EVACUATED (GAL)	0	2	2	2				
TOTAL VOLUME EVACUATED (GAL)	0	2	4	6				
TEMPERATURE (°C)	11.8	11.7	10.8	11.8				
pH	7.16	7.24	7.21	7.41				
ORP (mV)	-57	-80	-79	-62				
CONDUCTIVITY (s/m)	0.349	0.366	0.391	0.368				
TURBIDITY (NTU)	557	>800	>800	>800				
VISUAL OBSERVATION	Cloudy with Slight Odor	Cloudy with Slight Odor	Cloudy with Slight Odor	Cloudy with Slight Odor				

LEGEND: NC = Not Collected
D = Not Detected
* = Not Measurable

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW10-1

SECTION 1 - SITE AND WELL INFORMATION			
SITE LOCATION	151 Mt. Hope Avenue, Rochester, NY	JOB #	4302S-09
PROJECT NAME:	151 Mt. Hope Avenue	DATE:	6/4/10
SAMPLE COLLECTOR(S):	K. Crandall	WEATHER:	~ 70° F, partly cloudy
PID READING IN WELL HEADSPACE (PPM):	NC	MEASURING POINT:	Top of PVC
CASING TYPE:	PVC	WELL DIAMETER (INCHES):	2.0
SCREENED INTERVAL [FT]:	8.7 – 18.7	INITIAL WATER LEVEL (SWL) [FT]:	SWL / Date Measured 12.26 / 6-4-10
WELL DEPTH [FT]:	18.7	DEPTH OF PUMP INTAKE [FT]:	15.5
(Do NOT Measure Well depth Prior To Purging And Sampling)			
LNAPL:	None	DNAPL:	NC
		OTHER OBSERVATIONS:	None

SECTION 2 – SAMPLING EQUIPMENT			
CONTROL BOX:	QED MP-10	TUBING TYPE:	1/4" Water , 1/8" Air
WATER QUALITY METER:	Horiba U-22	WATER LEVEL METER:	Solinist Mini
PUMP TYPE:	3/4" Bladder	PURGE GAS:	Air
CONTROL BOX DISCHARGE RATE:	10.0	CONTROL BOX REFILL RATE:	5.0
STABILIZED PUMP RATE (ml/min):	75	STABILIZED DRAWDOWN WATER LEVEL [FT]:	12.51

SECTION 3 – WATER QUALITY DATA MONITORING									
Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (S/m)	pH	Temp. (C ⁰)	Total Vol. Pumped (ml)
13:20	75	12.51	0.0	-142	219	0.141	6.68	14.2	500
13:23	75	12.51	0.0	-143	204	0.139	6.67	14.7	725
13:26	75	12.51	0.0	-144	195	0.139	6.64	14.3	950
13:29	75	12.51	0.0	-144	193	0.138	6.65	14.1	1175
13:32	75	12.51	0.0	-145	192	0.137	6.65	14.3	1400
13:35	75	12.51	0.0	-145	187	0.137	6.65	14.7	1625
13:38	75	12.51	0.0	-147	187	0.136	6.65	15.0	1850
13:41	75	12.51	0.0	-147	182	0.137	6.65	15.0	2075
13:44	75	12.51	0.0	-148	187	0.137	6.65	14.9	2300
SAMPLE OBSERVATIONS: Clear									

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW10-01	6-4-10 / 13:45	Bladder Pump	8260 TCL STARS VOCs, 8270 TCL STARS SVOCs, 6010/7470 RCRA Metals

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW10-2

SECTION 1 - SITE AND WELL INFORMATION			
SITE LOCATION	151 Mt. Hope Avenue, Rochester, NY	JOB #	4302S-09
PROJECT NAME:	151 Mt. Hope Avenue	DATE:	6/4/10
SAMPLE COLLECTOR(S):	K. Crandall	WEATHER:	~ 75° F, partly cloudy
PID READING IN WELL HEADSPACE (PPM):	NC	MEASURING POINT:	Top of PVC
CASING TYPE:	PVC	WELL DIAMETER (INCHES):	2.0
SCREENED INTERVAL [FT]:	10 - 25	INITIAL WATER LEVEL (SWL) [FT]:	SWL / Date Measured 11.35 / 6-4-10
WELL DEPTH [FT]:	25.0	DEPTH OF PUMP INTAKE [FT]:	18.5
(Do NOT Measure Well depth Prior To Purging And Sampling)			
LNAPL:	None	DNAPL:	NC
OTHER OBSERVATIONS: None			

SECTION 2 - SAMPLING EQUIPMENT			
CONTROL BOX:	QED MP-10	TUBING TYPE:	1/4" Water, 1/8" Air
WATER QUALITY METER:	Horiba U-22	WATER LEVEL METER:	Solinist Mini
PUMP TYPE:	3/4" Bladder	PURGE GAS:	Air
CONTROL BOX DISCHARGE RATE:	1	CONTROL BOX REFILL RATE:	5.0
STABILIZED PUMP RATE (ml/min):	150	STABILIZED DRAWDOWN WATER LEVEL [FT]:	11.63

SECTION 3 - WATER QUALITY DATA MONITORING									
Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (S/m)	pH	Temp. (C ⁰)	Total Vol. Pumped (ml)
14:55	150	11.63	0.0	-141	151	0.137	6.69	14.5	500
14:58	150	11.63	0.0	-143	150	0.139	6.67	14.6	950
15:01	150	11.63	0.0	-142	152	0.141	6.67	14.7	1400
15:04	150	11.63	0.0	-142	147	0.141	6.69	14.7	1850
15:07	150	11.63	0.0	-141	142	0.139	6.68	14.5	2300
15:10	150	11.63	0.0	-143	143	0.140	6.68	14.6	2750
15:13	150	11.63	0.0	-142	144	0.141	6.69	14.6	3200
SAMPLE OBSERVATIONS: Clear									

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW10-02	6-4-10 / 15:15	Bladder Pump	8260 TCL STARS VOCs, 8270 TCL STARS SVOCs, 6010/7470 RCRA Metals

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW10-3

SECTION 1 - SITE AND WELL INFORMATION			
SITE LOCATION	<u>151 Mt. Hope Avenue, Rochester, NY</u>	JOB #	<u>4302S-09</u>
PROJECT NAME:	<u>151 Mt. Hope Avenue</u>	DATE:	<u>6/4/10</u>
SAMPLE COLLECTOR(S):	<u>K. Crandall</u>	WEATHER:	<u>~ 65° F, cloudy</u>
PID READING IN WELL HEADSPACE (PPM):	<u>NC</u>	MEASURING POINT:	<u>Top of PVC</u>
CASING TYPE:	<u>PVC</u>	WELL DIAMETER (INCHES):	<u>2.0</u>
SCREENED INTERVAL [FT]:	<u>9.1 – 24.1</u>	INITIAL WATER LEVEL (SWL) [FT]:	<u>SWL / Date Measured 16.41 / 6-4-10</u>
WELL DEPTH [FT]:	<u>24.1</u>	DEPTH OF PUMP INTAKE [FT]:	<u>20.0</u>
<small>(Do NOT Measure Well depth Prior To Purging And Sampling)</small>			
LNAPL:	<u>None</u>	DNAPL:	<u>NC</u>
		OTHER OBSERVATIONS:	<u>Yellow/brown tint to water</u>

SECTION 2 – SAMPLING EQUIPMENT			
CONTROL BOX:	<u>QED MP-10</u>	TUBING TYPE:	<u>1/4" Water , 1/8" Air</u>
WATER QUALITY METER:	<u>Horiba U-22</u>	WATER LEVEL METER:	<u>Solinist Mini</u>
PUMP TYPE:	<u>3/4" Bladder</u>	PURGE GAS:	<u>Air</u>
CONTROL BOX DISCHARGE RATE:	<u>5.0</u>	CONTROL BOX REFILL RATE:	<u>10.0</u>
STABILIZED PUMP RATE (ml/min):	<u>75</u>	STABILIZED DRAWDOWN WATER LEVEL [FT]:	<u>16.53</u>

SECTION 3 – WATER QUALITY DATA MONITORING									
Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (S/m)	pH	Temp. (C ^o)	Total Vol. Pumped (ml)
10:45	75	16.53	0.0	-55	161.0	0.373	6.58	14.9	500
10:48	75	16.53	0.0	-55	172.0	0.371	6.53	14.8	725
10:51	75	16.53	0.0	-55	175.0	0.371	6.51	14.7	950
10:54	75	16.53	0.0	-56	182.0	0.371	6.49	14.6	1175
10:57	75	16.53	0.0	-56	180.0	0.371	6.48	14.6	1400
11:00	75	16.53	0.0	-55	166.0	0.374	6.48	14.6	1625
11:03	75	16.53	0.0	-55	162.0	0.373	6.48	14.5	1850
11:06	75	16.53	0.0	-56	161.0	0.373	6.51	14.7	2075
11:09	75	16.53	0.0	-57	157.0	0.373	6.54	15.1	2300
11:11	75	16.53	0.0	-57	158.0	0.371	6.55	15.4	2525
11:14	75	16.53	0.0	-57	151.0	0.371	6.50	15.2	2750
SAMPLE OBSERVATIONS: Clear									

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW10-03	6-4-10 / 11:15	Bladder Pump	8260 TCL STARS VOCs, 8270 TCL STARS SVOCs, 6010/7470 RCRA Metals

APPENDIX E

Study-Derived Wastes Disposal Documentation

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NYR000176792		2. Page 1 of 3 Emergency Response Phone 585.436.5660		4. Manifest Tracking Number 001049465 GBF	
Generator's Name and Site Address CITY OF ROCHESTER 30 CHURCH ST. ROOM 300B ROCHESTER NY 14814 Generator's Phone: 585 428.7474				Generator's Site Address (if different than mailing address) CITY OF ROCHESTER 151 MT. HOPE AVE. ROCHESTER NY 14620			
6. Transporter 1 Company Name New York Environmental Technologies, Inc.					U.S. EPA ID Number NYD9A6383279		
7. Transporter 2 Company Name					U.S. EPA ID Number		
8. Designated Facility Name and Site Address CYCLE CHEK, INC. 550 INDUSTRIAL DRIVE LEWISBERRY, PA 17339 Facility's Phone: (717) 938-4700					U.S. EPA ID Number PAD067098827		
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
1.	RQ NA3077, HAZARDOUS WASTE SOLID, NOS (Lead), 9, PGIII (RQ: D008)	004	DM	01000	P	D008	
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information a. 714311-2-LJ (ERG #171) (55g) Job #R4547 / PO#34809							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offers Printed/Typed Name Amy Minster on behalf of Generator Minster					Signature <i>Amy Minster</i>		Month Day Year 08/11/10
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____ Transporter signature (for exports only): _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name Kevin Mikel					Signature <i>Kevin Mikel</i>		Month Day Year 08/11/10
Transporter 2 Printed/Typed Name					Signature		Month Day Year
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number: _____ U.S. EPA ID Number _____							
18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____							
Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator)							Month Day Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H141		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name ADELE STEHLEY					Signature <i>Adele Stehley</i>		Month Day Year 08/20/10

GENERATOR

TRANSPORTER INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number: **NYR000176792**
 2. Page 1 of: **1**
 3. Emergency Response Phone: **800.807.7455**
 4. Waste Tracking Number: **10-792**

5. Generator's Name and Mailing Address: **At: ANNE SPAULDING**
CITY OF ROCHESTER
30 CHURCH ST. ROOM 300B
ROCHESTER NY 14614
 Generator's Phone: **585 428.7474**
 Generator's Site Address (if different than mailing address):
CITY OF ROCHESTER
151 MT. HOPE AVE.
ROCHESTER NY 14620

6. Transporter 1 Company Name: **NEW YORK ENVIRONMENTAL TECHNOLOGIES, INC.**
 U.S. EPA ID Number: **NYD986983229**

7. Transporter 2 Company Name: _____
 U.S. EPA ID Number: _____

8. Designated Facility Name and Site Address: _____
CYCLE CHEM, INC.
550 INDUSTRIAL DR.
LEWSBERRY PA 17339
 Facility's Phone: **717 938-4700**
 U.S. EPA ID Number: **PAD067098822**

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. NON RCRA NON DOT LIQUIDS, NOS (DECON WATER)	004	DM	00200	G
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information: **A. 714311-1-OW (55G) JOB #R4547 / PO#34809**

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
 Generator/Officer's Printed/Typed Name: *Chris Munster on behalf of Generator* Signature: *Chris Munster* Month: **08** Day: **11** Year: **10**

15. International Shipments: Import to U.S. Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____

16. Transporter Acknowledgment of Receipt of Materials
 Transporter Signature (for exports only): _____
 Transporter 1 Printed/Typed Name: **Kevin Mikel** Signature: *Kevin Mikel* Month: **8** Day: **11** Year: **10**
 Transporter 2 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____

17. Discrepancy
 17a. Discrepancy Indication Space: Quantity Type Residue Partial Rejection Full Rejection
 Manifest Reference Number: _____ U.S. EPA ID Number: _____

17b. Alternate Facility (or Generator): _____ U.S. EPA ID Number: _____
 Facility's Phone: _____

17c. Signature of Alternate Facility (or Generator): _____ Month: _____ Day: _____ Year: _____

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name: **ADELE STEHLEY** Signature: *Adele Stehley* Month: **8** Day: **20** Year: **10**

GENERATOR
TRANSPORTER INT'L
DESIGNATED FACILITY

APPENDIX F

Environmental Analytical Laboratory Reports

Report Date:
05-Mar-10 09:47



- Final Report
- Re-Issued Report
- Revised Report

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

Laboratory Report

Day Environmental Inc.
40 Commercial Street
Rochester, NY 14614-1008

Work Order: J0281
Project : 151 Mt. Hope Ave.
Project #:

Attn: Jeff Danzinger

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
J0281-01	TP10-1 (8.5')	Soil	19-Feb-10 10:15	23-Feb-10 11:04
J0281-02	TP10-4 (2')	Soil	19-Feb-10 09:20	23-Feb-10 11:04
J0281-03	TP10-4 (11')	Soil	19-Feb-10 09:45	23-Feb-10 11:04
J0281-04	TP10-6 (3.5')	Soil	18-Feb-10 08:35	23-Feb-10 11:04
J0281-05	TP10-6 (5-5.8')	Soil	18-Feb-10 08:45	23-Feb-10 11:04
J0281-06	TP10-6 (9')	Soil	18-Feb-10 08:40	23-Feb-10 11:04
J0281-07	TP10-7 (6.5')	Soil	19-Feb-10 11:20	23-Feb-10 11:04
J0281-08	TP10-8 (2.5')	Soil	19-Feb-10 10:45	23-Feb-10 11:04
J0281-09	TP10-11 (7')	Soil	18-Feb-10 10:40	23-Feb-10 11:04
J0281-10	TP10-13 (11')	Soil	18-Feb-10 11:25	23-Feb-10 11:04
J0281-11	TP10-15 (7')	Soil	18-Feb-10 14:40	23-Feb-10 11:04
J0281-12	TP10-20 (6.5')	Soil	18-Feb-10 13:15	23-Feb-10 11:04
J0281-13	TP10-22 (8')	Soil	19-Feb-10 12:50	23-Feb-10 11:04
J0281-14	TP10-23 (8')	Soil	19-Feb-10 13:25	23-Feb-10 11:04
J0281-15	TB021910	Aqueous	19-Feb-10 00:00	23-Feb-10 11:04

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received.

All applicable NELAC or USEPA CLP requirements have been met.

Mitkem Laboratories is accredited under the National Environmental Laboratory Approval Program (NELAP) and is certified by several States, as well as USEPA and US Department of Defense. The current list of our laboratory approvals and certifications is available on the Certifications page our web site at www.mitkem.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
Texas	T104704422-08-TX
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-05-030



Authorized by:

Yihai Ding
Laboratory Director

Technical Reviewer's Initials: **YD**

Analytical Data Package for Day Environmental Inc.

Client Project: 151 Mt. Hope Ave.

Mitkem Work Order ID: J0281

March 5, 2010

Prepared For: Day Environmental Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Jeff Danzinger

Prepared By: Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

Client: Day Environmental Inc.

Client Project: 151 Mt. Hope Ave.

Lab Project ID: J0281

Date samples received: 02/23/10

Project Narrative

This data report includes the analysis results for fifteen (15) samples that were received from Day Environmental Inc. on February 23, 2010. Analyses were performed per specification on the Chain of Custody form. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the client sample ID and the laboratory sample ID.

Percent recoveries for surrogate standards for volatiles analysis were within the QC limits with the exception of high recovery of bromofluorobenzene in sample TP10-6 (9'). The recoveries for the volatile laboratory control samples were within the QC limits with the exception of low recovery of tetrachloroethene and marginally high recovery of 1,1,2,2-tetrachloroethane in LCS-49473 and -49496 and their associated duplicates. Methylene chloride and naphthalene were detected in method blank MB-49473 and methylene chloride was detected in method blank MB-49496 at a concentration above the MDL but below the reporting limits. Methylene chloride or naphthalene will be flagged with "B" on data reporting forms if methylene chloride or naphthalene is detected in the associated samples. No other unusual observations were made during sample analysis.

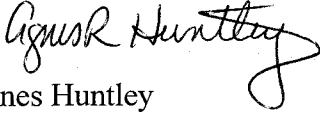
Percent recoveries for surrogate standards for semivolatiles analysis were within the QC limits with the exception of high recovery of 2-fluorobiphenyl in sample TP10-6 (9'), high recovery of 2,4,6-tribromophenol in sample TP10-11 (7') and some surrogates diluted out in the diluted analysis for sample TP10-11 (7'). The recoveries for semivolatile laboratory control samples were within the QC limits. Due to the high concentration of target analytes, the following samples were re-analyzed at dilution: TP10-11 (7') (20x) and TP10-15 (7') (4x). Both the initial and diluted analysis have been reported for these two samples. No other unusual observations were made during sample analysis.

Spike recoveries for the laboratory control sample for metals were within the QC limits. Matrix spike was performed on sample TP10-4 (2') for RCRA8 metals. Spike recoveries were within the QC limits with the exception of marginally low recovery of selenium. A post digest spike was performed for selenium with spike recovery within the QC limits. Percent RPD was within the QC limits. Serial dilution was performed on sample TP10-4 (2') for arsenic, barium, cadmium, chromium, lead, selenium and silver and sample TP10-22 (8') for potassium, sodium, aluminum, calcium, iron and magnesium. Percent RPD was within the QC limits with the exception of arsenic, barium, cadmium, chromium, lead and silver for sample TP10-4 (2') and aluminum, calcium, iron and

magnesium in sample TP10-22 (8'). Please note that antimony, barium, beryllium, cadmium, chromium, cobalt, copper, nickel, nickel and zinc were detected in method blank MB-49458 at a concentration above the MDL but below the reporting limits. These elements are flagged with "B" on data reporting forms. No other unusual observations were made during sample analysis.

The pages in this report have been numbered consecutively, which starts with the title page and ends with the page labeled as "Last Page of data Report".

This data report has been reviewed and is authorized for release as evidenced by the signature below.


Agnes Huntley
CLP Project Manager

Mitkem Laboratories

Date: 02-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-6 (9')

Lab ID: J0281-06

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 8:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS							SW8260_LOW_S
Dichlorodifluoromethane	ND		17	µg/Kg		102/26/2010 14:33	49496
Chloromethane	ND		17	µg/Kg		102/26/2010 14:33	49496
Vinyl chloride	ND		17	µg/Kg		102/26/2010 14:33	49496
Bromomethane	ND		17	µg/Kg		102/26/2010 14:33	49496
Chloroethane	ND		17	µg/Kg		102/26/2010 14:33	49496
Trichlorofluoromethane	ND		17	µg/Kg		102/26/2010 14:33	49496
1,1-Dichloroethene	ND		17	µg/Kg		102/26/2010 14:33	49496
Acetone	82		17	µg/Kg		102/26/2010 14:33	49496
Iodomethane	ND		17	µg/Kg		102/26/2010 14:33	49496
Carbon disulfide	ND		17	µg/Kg		102/26/2010 14:33	49496
Methylene chloride	9.4	BJ	17	µg/Kg		102/26/2010 14:33	49496
trans-1,2-Dichloroethene	ND		17	µg/Kg		102/26/2010 14:33	49496
Methyl tert-butyl ether	ND		17	µg/Kg		102/26/2010 14:33	49496
1,1-Dichloroethane	ND		17	µg/Kg		102/26/2010 14:33	49496
Vinyl acetate	ND		17	µg/Kg		102/26/2010 14:33	49496
2-Butanone	ND		17	µg/Kg		102/26/2010 14:33	49496
cis-1,2-Dichloroethene	ND		17	µg/Kg		102/26/2010 14:33	49496
2,2-Dichloropropane	ND		17	µg/Kg		102/26/2010 14:33	49496
Bromochloromethane	ND		17	µg/Kg		102/26/2010 14:33	49496
Chloroform	ND		17	µg/Kg		102/26/2010 14:33	49496
1,1,1-Trichloroethane	ND		17	µg/Kg		102/26/2010 14:33	49496
1,1-Dichloropropene	ND		17	µg/Kg		102/26/2010 14:33	49496
Carbon tetrachloride	ND		17	µg/Kg		102/26/2010 14:33	49496
1,2-Dichloroethane	ND		17	µg/Kg		102/26/2010 14:33	49496
Benzene	ND		17	µg/Kg		102/26/2010 14:33	49496
Trichloroethene	ND		17	µg/Kg		102/26/2010 14:33	49496
1,2-Dichloropropane	ND		17	µg/Kg		102/26/2010 14:33	49496
Dibromomethane	ND		17	µg/Kg		102/26/2010 14:33	49496
Bromodichloromethane	ND		17	µg/Kg		102/26/2010 14:33	49496
cis-1,3-Dichloropropene	ND		17	µg/Kg		102/26/2010 14:33	49496
4-Methyl-2-pentanone	ND		17	µg/Kg		102/26/2010 14:33	49496
Toluene	ND		17	µg/Kg		102/26/2010 14:33	49496
trans-1,3-Dichloropropene	ND		17	µg/Kg		102/26/2010 14:33	49496
1,1,2-Trichloroethane	220		17	µg/Kg		102/26/2010 14:33	49496
1,3-Dichloropropane	ND		17	µg/Kg		102/26/2010 14:33	49496
Tetrachloroethene	ND		17	µg/Kg		102/26/2010 14:33	49496
2-Hexanone	350		17	µg/Kg		102/26/2010 14:33	49496
Dibromochloromethane	ND		17	µg/Kg		102/26/2010 14:33	49496
1,2-Dibromoethane	ND		17	µg/Kg		102/26/2010 14:33	49496

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 02-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-6 (9')

Lab ID: J0281-06

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 8:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS							SW8260_LOW_S
Chlorobenzene	ND		17	µg/Kg		102/26/2010 14:33	49496
1,1,1,2-Tetrachloroethane	ND		17	µg/Kg		102/26/2010 14:33	49496
Ethylbenzene	ND		17	µg/Kg		102/26/2010 14:33	49496
m,p-Xylene	6.0	J	17	µg/Kg		102/26/2010 14:33	49496
o-Xylene	ND		17	µg/Kg		102/26/2010 14:33	49496
Xylene (Total)	6.0	J	17	µg/Kg		102/26/2010 14:33	49496
Styrene	ND		17	µg/Kg		102/26/2010 14:33	49496
Bromoform	ND		17	µg/Kg		102/26/2010 14:33	49496
Isopropylbenzene	ND		17	µg/Kg		102/26/2010 14:33	49496
1,1,2,2-Tetrachloroethane	ND		17	µg/Kg		102/26/2010 14:33	49496
Bromobenzene	ND		17	µg/Kg		102/26/2010 14:33	49496
1,2,3-Trichloropropane	ND		17	µg/Kg		102/26/2010 14:33	49496
n-Propylbenzene	ND		17	µg/Kg		102/26/2010 14:33	49496
2-Chlorotoluene	ND		17	µg/Kg		102/26/2010 14:33	49496
1,3,5-Trimethylbenzene	ND		17	µg/Kg		102/26/2010 14:33	49496
4-Chlorotoluene	ND		17	µg/Kg		102/26/2010 14:33	49496
tert-Butylbenzene	42		17	µg/Kg		102/26/2010 14:33	49496
1,2,4-Trimethylbenzene	15	J	17	µg/Kg		102/26/2010 14:33	49496
sec-Butylbenzene	94		17	µg/Kg		102/26/2010 14:33	49496
4-Isopropyltoluene	ND		17	µg/Kg		102/26/2010 14:33	49496
1,3-Dichlorobenzene	ND		17	µg/Kg		102/26/2010 14:33	49496
1,4-Dichlorobenzene	ND		17	µg/Kg		102/26/2010 14:33	49496
n-Butylbenzene	59		17	µg/Kg		102/26/2010 14:33	49496
1,2-Dichlorobenzene	ND		17	µg/Kg		102/26/2010 14:33	49496
1,2-Dibromo-3-chloropropane	ND		17	µg/Kg		102/26/2010 14:33	49496
1,2,4-Trichlorobenzene	ND		17	µg/Kg		102/26/2010 14:33	49496
Hexachlorobutadiene	ND		17	µg/Kg		102/26/2010 14:33	49496
1,2,3-Trichlorobenzene	ND		17	µg/Kg		102/26/2010 14:33	49496
Naphthalene	20		17	µg/Kg		102/26/2010 14:33	49496
Surrogate: Dibromofluoromethane	106		65-132	%REC		102/26/2010 14:33	49496
Surrogate: 1,2-Dichloroethane-d4	106		65-128	%REC		102/26/2010 14:33	49496
Surrogate: Toluene-d8	97.6		85-115	%REC		102/26/2010 14:33	49496
Surrogate: Bromofluorobenzene	137	S	77-111	%REC		102/26/2010 14:33	49496

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 02-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-11 (7')

Lab ID: J0281-09

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 10:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS							SW8260_LOW_S
Dichlorodifluoromethane	ND		12	µg/Kg		102/26/2010 15:07	49496
Chloromethane	ND		12	µg/Kg		102/26/2010 15:07	49496
Vinyl chloride	ND		12	µg/Kg		102/26/2010 15:07	49496
Bromomethane	ND		12	µg/Kg		102/26/2010 15:07	49496
Chloroethane	ND		12	µg/Kg		102/26/2010 15:07	49496
Trichlorofluoromethane	ND		12	µg/Kg		102/26/2010 15:07	49496
1,1-Dichloroethene	ND		12	µg/Kg		102/26/2010 15:07	49496
Acetone	40		12	µg/Kg		102/26/2010 15:07	49496
Iodomethane	ND		12	µg/Kg		102/26/2010 15:07	49496
Carbon disulfide	ND		12	µg/Kg		102/26/2010 15:07	49496
Methylene chloride	8.0	BJ	12	µg/Kg		102/26/2010 15:07	49496
trans-1,2-Dichloroethene	ND		12	µg/Kg		102/26/2010 15:07	49496
Methyl tert-butyl ether	ND		12	µg/Kg		102/26/2010 15:07	49496
1,1-Dichloroethane	ND		12	µg/Kg		102/26/2010 15:07	49496
Vinyl acetate	ND		12	µg/Kg		102/26/2010 15:07	49496
2-Butanone	ND		12	µg/Kg		102/26/2010 15:07	49496
cis-1,2-Dichloroethene	ND		12	µg/Kg		102/26/2010 15:07	49496
2,2-Dichloropropane	ND		12	µg/Kg		102/26/2010 15:07	49496
Bromochloromethane	ND		12	µg/Kg		102/26/2010 15:07	49496
Chloroform	ND		12	µg/Kg		102/26/2010 15:07	49496
1,1,1-Trichloroethane	ND		12	µg/Kg		102/26/2010 15:07	49496
1,1-Dichloropropene	ND		12	µg/Kg		102/26/2010 15:07	49496
Carbon tetrachloride	ND		12	µg/Kg		102/26/2010 15:07	49496
1,2-Dichloroethane	ND		12	µg/Kg		102/26/2010 15:07	49496
Benzene	ND		12	µg/Kg		102/26/2010 15:07	49496
Trichloroethene	ND		12	µg/Kg		102/26/2010 15:07	49496
1,2-Dichloropropane	ND		12	µg/Kg		102/26/2010 15:07	49496
Dibromomethane	ND		12	µg/Kg		102/26/2010 15:07	49496
Bromodichloromethane	ND		12	µg/Kg		102/26/2010 15:07	49496
cis-1,3-Dichloropropene	ND		12	µg/Kg		102/26/2010 15:07	49496
4-Methyl-2-pentanone	ND		12	µg/Kg		102/26/2010 15:07	49496
Toluene	3.4	J	12	µg/Kg		102/26/2010 15:07	49496
trans-1,3-Dichloropropene	ND		12	µg/Kg		102/26/2010 15:07	49496
1,1,2-Trichloroethane	ND		12	µg/Kg		102/26/2010 15:07	49496
1,3-Dichloropropane	ND		12	µg/Kg		102/26/2010 15:07	49496
Tetrachloroethene	ND		12	µg/Kg		102/26/2010 15:07	49496
2-Hexanone	ND		12	µg/Kg		102/26/2010 15:07	49496
Dibromochloromethane	ND		12	µg/Kg		102/26/2010 15:07	49496
1,2-Dibromoethane	ND		12	µg/Kg		102/26/2010 15:07	49496

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 02-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-11 (7')

Lab ID: J0281-09

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 10:40

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS			SW8260_LOW_S	
Chlorobenzene	ND	12 µg/Kg	102/26/2010 15:07	49496
1,1,1,2-Tetrachloroethane	ND	12 µg/Kg	102/26/2010 15:07	49496
Ethylbenzene	ND	12 µg/Kg	102/26/2010 15:07	49496
m,p-Xylene	13	12 µg/Kg	102/26/2010 15:07	49496
o-Xylene	6.4 J	12 µg/Kg	102/26/2010 15:07	49496
Xylene (Total)	19	12 µg/Kg	102/26/2010 15:07	49496
Styrene	ND	12 µg/Kg	102/26/2010 15:07	49496
Bromoform	ND	12 µg/Kg	102/26/2010 15:07	49496
Isopropylbenzene	6.8 J	12 µg/Kg	102/26/2010 15:07	49496
1,1,2,2-Tetrachloroethane	ND	12 µg/Kg	102/26/2010 15:07	49496
Bromobenzene	ND	12 µg/Kg	102/26/2010 15:07	49496
1,2,3-Trichloropropane	ND	12 µg/Kg	102/26/2010 15:07	49496
n-Propylbenzene	ND	12 µg/Kg	102/26/2010 15:07	49496
2-Chlorotoluene	ND	12 µg/Kg	102/26/2010 15:07	49496
1,3,5-Trimethylbenzene	4.5 J	12 µg/Kg	102/26/2010 15:07	49496
4-Chlorotoluene	ND	12 µg/Kg	102/26/2010 15:07	49496
tert-Butylbenzene	5.0 J	12 µg/Kg	102/26/2010 15:07	49496
1,2,4-Trimethylbenzene	19	12 µg/Kg	102/26/2010 15:07	49496
sec-Butylbenzene	27	12 µg/Kg	102/26/2010 15:07	49496
4-Isopropyltoluene	ND	12 µg/Kg	102/26/2010 15:07	49496
1,3-Dichlorobenzene	ND	12 µg/Kg	102/26/2010 15:07	49496
1,4-Dichlorobenzene	ND	12 µg/Kg	102/26/2010 15:07	49496
n-Butylbenzene	31	12 µg/Kg	102/26/2010 15:07	49496
1,2-Dichlorobenzene	ND	12 µg/Kg	102/26/2010 15:07	49496
1,2-Dibromo-3-chloropropane	ND	12 µg/Kg	102/26/2010 15:07	49496
1,2,4-Trichlorobenzene	ND	12 µg/Kg	102/26/2010 15:07	49496
Hexachlorobutadiene	ND	12 µg/Kg	102/26/2010 15:07	49496
1,2,3-Trichlorobenzene	ND	12 µg/Kg	102/26/2010 15:07	49496
Naphthalene	130	12 µg/Kg	102/26/2010 15:07	49496
Surrogate: Dibromofluoromethane	101	65-132 %REC	102/26/2010 15:07	49496
Surrogate: 1,2-Dichloroethane-d4	102	65-128 %REC	102/26/2010 15:07	49496
Surrogate: Toluene-d8	97.5	85-115 %REC	102/26/2010 15:07	49496
Surrogate: Bromofluorobenzene	94.7	77-111 %REC	102/26/2010 15:07	49496

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 02-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-13 (11')

Lab ID: J0281-10

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 11:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS							SW8260_LOW_S
Dichlorodifluoromethane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Chloromethane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Vinyl chloride	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Bromomethane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Chloroethane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Trichlorofluoromethane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,1-Dichloroethene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Acetone	21		7.3	µg/Kg		102/25/2010 16:58	49473
Iodomethane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Carbon disulfide	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Methylene chloride	2.9	BJ	7.3	µg/Kg		102/25/2010 16:58	49473
trans-1,2-Dichloroethene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Methyl tert-butyl ether	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,1-Dichloroethane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Vinyl acetate	ND		7.3	µg/Kg		102/25/2010 16:58	49473
2-Butanone	ND		7.3	µg/Kg		102/25/2010 16:58	49473
cis-1,2-Dichloroethene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
2,2-Dichloropropane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Bromochloromethane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Chloroform	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,1,1-Trichloroethane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,1-Dichloropropene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Carbon tetrachloride	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,2-Dichloroethane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Benzene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Trichloroethene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,2-Dichloropropane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Dibromomethane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Bromodichloromethane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
cis-1,3-Dichloropropene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
4-Methyl-2-pentanone	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Toluene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
trans-1,3-Dichloropropene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,1,2-Trichloroethane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,3-Dichloropropane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Tetrachloroethene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
2-Hexanone	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Dibromochloromethane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,2-Dibromoethane	ND		7.3	µg/Kg		102/25/2010 16:58	49473

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 02-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-13 (11')

Lab ID: J0281-10

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 11:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS							SW8260_LOW_S
Chlorobenzene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,1,1,2-Tetrachloroethane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Ethylbenzene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
m,p-Xylene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
o-Xylene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Xylene (Total)	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Styrene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Bromoform	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Isopropylbenzene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,1,2,2-Tetrachloroethane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Bromobenzene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,2,3-Trichloropropane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
n-Propylbenzene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
2-Chlorotoluene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,3,5-Trimethylbenzene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
4-Chlorotoluene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
tert-Butylbenzene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,2,4-Trimethylbenzene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
sec-Butylbenzene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
4-Isopropyltoluene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,3-Dichlorobenzene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,4-Dichlorobenzene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
n-Butylbenzene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,2-Dichlorobenzene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,2-Dibromo-3-chloropropane	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,2,4-Trichlorobenzene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Hexachlorobutadiene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
1,2,3-Trichlorobenzene	ND		7.3	µg/Kg		102/25/2010 16:58	49473
Naphthalene	4.5	BJ	7.3	µg/Kg		102/25/2010 16:58	49473
Surrogate: Dibromofluoromethane	99.5		65-132	%REC		102/25/2010 16:58	49473
Surrogate: 1,2-Dichloroethane-d4	104		65-128	%REC		102/25/2010 16:58	49473
Surrogate: Toluene-d8	94.7		85-115	%REC		102/25/2010 16:58	49473
Surrogate: Bromofluorobenzene	101		77-111	%REC		102/25/2010 16:58	49473

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 02-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-15 (7')

Lab ID: J0281-11

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 14:40

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS			SW8260_LOW_S	
Dichlorodifluoromethane	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Chloromethane	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Vinyl chloride	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Bromomethane	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Chloroethane	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Trichlorofluoromethane	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
1,1-Dichloroethene	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Acetone	26	5.8 µg/Kg	1 02/25/2010 17:33	49473
Iodomethane	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Carbon disulfide	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Methylene chloride	3.3 BJ	5.8 µg/Kg	1 02/25/2010 17:33	49473
trans-1,2-Dichloroethene	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Methyl tert-butyl ether	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
1,1-Dichloroethane	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Vinyl acetate	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
2-Butanone	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
cis-1,2-Dichloroethene	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
2,2-Dichloropropane	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Bromochloromethane	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Chloroform	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
1,1,1-Trichloroethane	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
1,1-Dichloropropene	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Carbon tetrachloride	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
1,2-Dichloroethane	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Benzene	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Trichloroethene	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
1,2-Dichloropropane	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Dibromomethane	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Bromodichloromethane	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
cis-1,3-Dichloropropene	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
4-Methyl-2-pentanone	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Toluene	1.5 J	5.8 µg/Kg	1 02/25/2010 17:33	49473
trans-1,3-Dichloropropene	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
1,1,2-Trichloroethane	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
1,3-Dichloropropane	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Tetrachloroethene	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
2-Hexanone	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
Dibromochloromethane	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473
1,2-Dibromoethane	ND	5.8 µg/Kg	1 02/25/2010 17:33	49473

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 02-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-15 (7')

Lab ID: J0281-11

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 14:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS							SW8260_LOW_S
Chlorobenzene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
1,1,1,2-Tetrachloroethane	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
Ethylbenzene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
m,p-Xylene	5.1	J	5.8	µg/Kg	1	02/25/2010 17:33	49473
o-Xylene	2.3	J	5.8	µg/Kg	1	02/25/2010 17:33	49473
Xylene (Total)	7.4		5.8	µg/Kg	1	02/25/2010 17:33	49473
Styrene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
Bromoform	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
Isopropylbenzene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
1,1,2,2-Tetrachloroethane	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
Bromobenzene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
1,2,3-Trichloropropane	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
n-Propylbenzene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
2-Chlorotoluene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
1,3,5-Trimethylbenzene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
4-Chlorotoluene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
tert-Butylbenzene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
1,2,4-Trimethylbenzene	2.1	J	5.8	µg/Kg	1	02/25/2010 17:33	49473
sec-Butylbenzene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
4-Isopropyltoluene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
1,3-Dichlorobenzene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
1,4-Dichlorobenzene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
n-Butylbenzene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
1,2-Dichlorobenzene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
1,2-Dibromo-3-chloropropane	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
1,2,4-Trichlorobenzene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
Hexachlorobutadiene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
1,2,3-Trichlorobenzene	ND		5.8	µg/Kg	1	02/25/2010 17:33	49473
Naphthalene	5.9	B	5.8	µg/Kg	1	02/25/2010 17:33	49473
Surrogate: Dibromofluoromethane	99.5		65-132	%REC	1	02/25/2010 17:33	49473
Surrogate: 1,2-Dichloroethane-d4	103		65-128	%REC	1	02/25/2010 17:33	49473
Surrogate: Toluene-d8	95.1		85-115	%REC	1	02/25/2010 17:33	49473
Surrogate: Bromofluorobenzene	96.3		77-111	%REC	1	02/25/2010 17:33	49473

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 02-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-23 (8')

Lab ID: J0281-14

Project: 151 Mt. Hope Ave.

Collection Date: 02/19/10 13:25

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS			SW8260_LOW_S	
Dichlorodifluoromethane	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Chloromethane	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Vinyl chloride	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Bromomethane	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Chloroethane	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Trichlorofluoromethane	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
1,1-Dichloroethene	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Acetone	20	6.2 µg/Kg	1 02/25/2010 18:08	49473
Iodomethane	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Carbon disulfide	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Methylene chloride	3.0 BJ	6.2 µg/Kg	1 02/25/2010 18:08	49473
trans-1,2-Dichloroethene	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Methyl tert-butyl ether	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
1,1-Dichloroethane	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Vinyl acetate	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
2-Butanone	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
cis-1,2-Dichloroethene	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
2,2-Dichloropropane	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Bromochloromethane	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Chloroform	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
1,1,1-Trichloroethane	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
1,1-Dichloropropene	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Carbon tetrachloride	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
1,2-Dichloroethane	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Benzene	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Trichloroethene	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
1,2-Dichloropropane	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Dibromomethane	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Bromodichloromethane	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
cis-1,3-Dichloropropene	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
4-Methyl-2-pentanone	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Toluene	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
trans-1,3-Dichloropropene	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
1,1,2-Trichloroethane	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
1,3-Dichloropropane	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Tetrachloroethene	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
2-Hexanone	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
Dibromochloromethane	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473
1,2-Dibromoethane	ND	6.2 µg/Kg	1 02/25/2010 18:08	49473

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 02-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-23 (8')

Lab ID: J0281-14

Project: 151 Mt. Hope Ave.

Collection Date: 02/19/10 13:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS							SW8260_LOW_S
Chlorobenzene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
1,1,1,2-Tetrachloroethane	ND		6.2	µg/Kg		102/25/2010 18:08	49473
Ethylbenzene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
m,p-Xylene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
o-Xylene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
Xylene (Total)	1.7	J	6.2	µg/Kg		102/25/2010 18:08	49473
Styrene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
Bromoform	ND		6.2	µg/Kg		102/25/2010 18:08	49473
Isopropylbenzene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
1,1,2,2-Tetrachloroethane	ND		6.2	µg/Kg		102/25/2010 18:08	49473
Bromobenzene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
1,2,3-Trichloropropane	ND		6.2	µg/Kg		102/25/2010 18:08	49473
n-Propylbenzene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
2-Chlorotoluene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
1,3,5-Trimethylbenzene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
4-Chlorotoluene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
tert-Butylbenzene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
1,2,4-Trimethylbenzene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
sec-Butylbenzene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
4-Isopropyltoluene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
1,3-Dichlorobenzene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
1,4-Dichlorobenzene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
n-Butylbenzene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
1,2-Dichlorobenzene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
1,2-Dibromo-3-chloropropane	ND		6.2	µg/Kg		102/25/2010 18:08	49473
1,2,4-Trichlorobenzene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
Hexachlorobutadiene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
1,2,3-Trichlorobenzene	ND		6.2	µg/Kg		102/25/2010 18:08	49473
Naphthalene	2.4	BJ	6.2	µg/Kg		102/25/2010 18:08	49473
Surrogate: Dibromofluoromethane	103		65-132	%REC		102/25/2010 18:08	49473
Surrogate: 1,2-Dichloroethane-d4	103		65-128	%REC		102/25/2010 18:08	49473
Surrogate: Toluene-d8	95.5		85-115	%REC		102/25/2010 18:08	49473
Surrogate: Bromofluorobenzene	96.1		77-111	%REC		102/25/2010 18:08	49473

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 02-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TB021910

Lab ID: J0281-15

Project: 151 Mt. Hope Ave.

Collection Date: 02/19/10 0:00

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS				SW8260_W
Dichlorodifluoromethane	ND	5.0 µg/L	102/26/2010 11:54	49504
Chloromethane	ND	5.0 µg/L	102/26/2010 11:54	49504
Vinyl chloride	ND	5.0 µg/L	102/26/2010 11:54	49504
Bromomethane	ND	5.0 µg/L	102/26/2010 11:54	49504
Chloroethane	ND	5.0 µg/L	102/26/2010 11:54	49504
Trichlorofluoromethane	ND	5.0 µg/L	102/26/2010 11:54	49504
1,1-Dichloroethene	ND	5.0 µg/L	102/26/2010 11:54	49504
Acetone	ND	5.0 µg/L	102/26/2010 11:54	49504
Iodomethane	ND	5.0 µg/L	102/26/2010 11:54	49504
Carbon disulfide	ND	5.0 µg/L	102/26/2010 11:54	49504
Methylene chloride	ND	5.0 µg/L	102/26/2010 11:54	49504
trans-1,2-Dichloroethene	ND	5.0 µg/L	102/26/2010 11:54	49504
Methyl tert-butyl ether	ND	5.0 µg/L	102/26/2010 11:54	49504
1,1-Dichloroethane	ND	5.0 µg/L	102/26/2010 11:54	49504
Vinyl acetate	ND	5.0 µg/L	102/26/2010 11:54	49504
2-Butanone	ND	5.0 µg/L	102/26/2010 11:54	49504
cis-1,2-Dichloroethene	ND	5.0 µg/L	102/26/2010 11:54	49504
2,2-Dichloropropane	ND	5.0 µg/L	102/26/2010 11:54	49504
Bromochloromethane	ND	5.0 µg/L	102/26/2010 11:54	49504
Chloroform	ND	5.0 µg/L	102/26/2010 11:54	49504
1,1,1-Trichloroethane	ND	5.0 µg/L	102/26/2010 11:54	49504
1,1-Dichloropropene	ND	5.0 µg/L	102/26/2010 11:54	49504
Carbon tetrachloride	ND	5.0 µg/L	102/26/2010 11:54	49504
1,2-Dichloroethane	ND	5.0 µg/L	102/26/2010 11:54	49504
Benzene	ND	5.0 µg/L	102/26/2010 11:54	49504
Trichloroethene	ND	5.0 µg/L	102/26/2010 11:54	49504
1,2-Dichloropropane	ND	5.0 µg/L	102/26/2010 11:54	49504
Dibromomethane	ND	5.0 µg/L	102/26/2010 11:54	49504
Bromodichloromethane	ND	5.0 µg/L	102/26/2010 11:54	49504
cis-1,3-Dichloropropene	ND	5.0 µg/L	102/26/2010 11:54	49504
4-Methyl-2-pentanone	ND	5.0 µg/L	102/26/2010 11:54	49504
Toluene	ND	5.0 µg/L	102/26/2010 11:54	49504
trans-1,3-Dichloropropene	ND	5.0 µg/L	102/26/2010 11:54	49504
1,1,2-Trichloroethane	ND	5.0 µg/L	102/26/2010 11:54	49504
1,3-Dichloropropane	ND	5.0 µg/L	102/26/2010 11:54	49504
Tetrachloroethene	ND	5.0 µg/L	102/26/2010 11:54	49504
2-Hexanone	ND	5.0 µg/L	102/26/2010 11:54	49504
Dibromochloromethane	ND	5.0 µg/L	102/26/2010 11:54	49504
1,2-Dibromoethane	ND	5.0 µg/L	102/26/2010 11:54	49504

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 02-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TB021910

Lab ID: J0281-15

Project: 151 Mt. Hope Ave.

Collection Date: 02/19/10 0:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS							SW8260_W
Chlorobenzene	ND		5.0	µg/L		102/26/2010 11:54	49504
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L		102/26/2010 11:54	49504
Ethylbenzene	ND		5.0	µg/L		102/26/2010 11:54	49504
m,p-Xylene	ND		5.0	µg/L		102/26/2010 11:54	49504
o-Xylene	ND		5.0	µg/L		102/26/2010 11:54	49504
Xylene (Total)	ND		5.0	µg/L		102/26/2010 11:54	49504
Styrene	ND		5.0	µg/L		102/26/2010 11:54	49504
Bromoform	ND		5.0	µg/L		102/26/2010 11:54	49504
Isopropylbenzene	ND		5.0	µg/L		102/26/2010 11:54	49504
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L		102/26/2010 11:54	49504
Bromobenzene	ND		5.0	µg/L		102/26/2010 11:54	49504
1,2,3-Trichloropropane	ND		5.0	µg/L		102/26/2010 11:54	49504
n-Propylbenzene	ND		5.0	µg/L		102/26/2010 11:54	49504
2-Chlorotoluene	ND		5.0	µg/L		102/26/2010 11:54	49504
1,3,5-Trimethylbenzene	ND		5.0	µg/L		102/26/2010 11:54	49504
4-Chlorotoluene	ND		5.0	µg/L		102/26/2010 11:54	49504
tert-Butylbenzene	ND		5.0	µg/L		102/26/2010 11:54	49504
1,2,4-Trimethylbenzene	ND		5.0	µg/L		102/26/2010 11:54	49504
sec-Butylbenzene	ND		5.0	µg/L		102/26/2010 11:54	49504
4-Isopropyltoluene	ND		5.0	µg/L		102/26/2010 11:54	49504
1,3-Dichlorobenzene	ND		5.0	µg/L		102/26/2010 11:54	49504
1,4-Dichlorobenzene	ND		5.0	µg/L		102/26/2010 11:54	49504
n-Butylbenzene	ND		5.0	µg/L		102/26/2010 11:54	49504
1,2-Dichlorobenzene	ND		5.0	µg/L		102/26/2010 11:54	49504
1,2-Dibromo-3-chloropropane	ND		5.0	µg/L		102/26/2010 11:54	49504
1,2,4-Trichlorobenzene	ND		5.0	µg/L		102/26/2010 11:54	49504
Hexachlorobutadiene	ND		5.0	µg/L		102/26/2010 11:54	49504
1,2,3-Trichlorobenzene	ND		5.0	µg/L		102/26/2010 11:54	49504
Naphthalene	ND		5.0	µg/L		102/26/2010 11:54	49504
Surrogate: Dibromofluoromethane	96.7		85-115	%REC		102/26/2010 11:54	49504
Surrogate: 1,2-Dichloroethane-d4	96.1		70-120	%REC		102/26/2010 11:54	49504
Surrogate: Toluene-d8	105		85-120	%REC		102/26/2010 11:54	49504
Surrogate: Bromofluorobenzene	93.0		75-120	%REC		102/26/2010 11:54	49504

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.

Work Order: J0281

Project: 151 Mt. Hope Ave.

SW8260_LOW_S

SW846 8260 -- VOC by GC-MS

Sample ID: MB-49473 SampType: MBLK TestCode: SW8260_LOW_S Run ID: V6_100225A
 Client ID: MB-49473 Batch ID: 49473 Units: µg/Kg Prep Date: 02/25/10 9:41 SeqNo: 1214385
 Analysis Date: 02/25/10 11:46

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	5.0									
Chloromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Bromomethane	ND	5.0									
Chloroethane	ND	5.0									
Trichlorofluoromethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
Acetone	ND	5.0									
Iodomethane	ND	5.0									
Carbon disulfide	ND	5.0									
Methylene chloride	3.717	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Methyl tert-butyl ether	ND	5.0									
1,1-Dichloroethane	ND	5.0									
Vinyl acetate	ND	5.0									
2-Butanone	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
Bromochloromethane	ND	5.0									
Chloroform	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1-Dichloropropene	ND	5.0									
Carbon tetrachloride	ND	5.0									
1,2-Dichloroethane	ND	5.0									
Benzene	ND	5.0									
Trichloroethene	ND	5.0									
1,2-Dichloropropane	ND	5.0									
Dibromomethane	ND	5.0									
Bromodichloromethane	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
4-Methyl-2-pentanone	ND	5.0									
Toluene	ND	5.0									
trans-1,3-Dichloropropene	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,3-Dichloropropane	ND	5.0									
Tetrachloroethene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
 SW8260_LOW_S
 SW846 8260 -- VOC by GC-MS

Sample ID: MB-49473 SampType: MBLK TestCode: SW8260_LOW_S Run ID: V6_100225A
 Client ID: MB-49473 Batch ID: 49473 Units: µg/Kg Analysis Date: 02/25/10 11:46 SeqNo: 1214385
 Prep Date: 02/25/10 9:41 SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Hexanone	ND	5.0									
Dibromochloromethane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
Chlorobenzene	ND	5.0									
1,1,1,2-Tetrachloroethane	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	5.0									
o-Xylene	ND	5.0									
Xylene (Total)	ND	5.0									
Styrene	ND	5.0									
Bromoform	ND	5.0									
Isopropylbenzene	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
Bromobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
n-Propylbenzene	ND	5.0									
2-Chlorotoluene	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
4-Chlorotoluene	ND	5.0									
tert-Butylbenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
sec-Butylbenzene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
n-Butylbenzene	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
Naphthalene	1.873										J
Surrogate: Dibromofluoromethane	51.57		50.00	0	103	65	132	0			
Surrogate: 1,2-Dichloroethane-d4	52.02		50.00	0	104	65	128	0			
Surrogate: Toluene-d8	48.55		50.00	0	97.1	85	115	0			
Surrogate: Bromofluorobenzene	44.46		50.00	0	88.9	77	111	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

SW8260_LOW_S
 SW846 8260 -- VOC by GC-MS

Prep Date: 02/26/10 8:37
 Analysis Date: 02/26/10 11:03

Run ID: V6_100226A
 SeqNo: 1214702

TestCode: SW8260_LOW_S
 Units: µg/Kg

SampType: MBLK
 Batch ID: 49496

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	5.0									
Chloromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Bromomethane	ND	5.0									
Chloroethane	ND	5.0									
Trichlorofluoromethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
Acetone	ND	5.0									
Iodomethane	ND	5.0									
Carbon disulfide	ND	5.0									
Methylene chloride	4.368	5.0									J
trans-1,2-Dichloroethene	ND	5.0									
Methyl tert-butyl ether	ND	5.0									
1,1-Dichloroethane	ND	5.0									
Vinyl acetate	ND	5.0									
2-Butanone	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
Bromochloromethane	ND	5.0									
Chloroform	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1-Dichloropropene	ND	5.0									
Carbon tetrachloride	ND	5.0									
1,2-Dichloroethane	ND	5.0									
Benzene	ND	5.0									
Trichloroethene	ND	5.0									
1,2-Dichloropropane	ND	5.0									
Dibromomethane	ND	5.0									
Bromodichloromethane	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
4-Methyl-2-pentanone	ND	5.0									
Toluene	ND	5.0									
trans-1,3-Dichloropropene	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,3-Dichloropropane	ND	5.0									
Tetrachloroethene	ND	5.0									
2-Hexanone	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits
 mLIMS-001

0010

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT

SW8260_LOW_S
 SW846 8260 -- VOC by GC-MS

Sample ID: MB-49496 SampType: MBLK TestCode: SW8260_LOW_S Run ID: V6_100226A
 Client ID: MB-49496 Batch ID: 49496 Units: µg/Kg Analysis Date: 02/26/10 11:03 SeqNo: 1214702
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
Chlorobenzene	ND	5.0									
1,1,1,2-Tetrachloroethane	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	5.0									
o-Xylene	ND	5.0									
Xylene (Total)	ND	5.0									
Styrene	ND	5.0									
Bromoform	ND	5.0									
Isopropylbenzene	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
Bromobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
n-Propylbenzene	ND	5.0									
2-Chlorotoluene	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
4-Chlorotoluene	ND	5.0									
tert-Butylbenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
sec-Butylbenzene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
n-Butylbenzene	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
Naphthalene	ND	5.0									
Surrogate: Dibromofluoromethane	52.18		50.00	0	104	65	132	0			
Surrogate: 1,2-Dichloroethane-d4	53.89		50.00	0	108	65	128	0			
Surrogate: Toluene-d8	48.70		50.00	0	97.4	85	115	0			
Surrogate: Bromofluorobenzene	45.46		50.00	0	90.9	77	111	0			

0010

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT

SW8260_LOW_S
 SW846 8260 -- VOC by GC-MS

Sample ID: LCS-49473 SampType: LCS TestCode: SW8260_LOW_S Run ID: V6_100225A
 Client ID: LCS-49473 Batch ID: 49473 Units: µg/Kg Prep Date: 02/25/10 9:41 SeqNo: 1214383
 Analysis Date: 02/25/10 10:00

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	41.85	5.0	50.00	0	83.7	35	135	0			
Chloromethane	47.31	5.0	50.00	0	94.6	50	130	0			
Vinyl chloride	48.05	5.0	50.00	0	96.1	60	125	0			
Bromomethane	50.33	5.0	50.00	0	101	30	160	0			
Chloroethane	50.43	5.0	50.00	0	101	40	155	0			
Trichlorofluoromethane	47.30	5.0	50.00	0	94.6	25	185	0			
1,1-Dichloroethene	47.50	5.0	50.00	0	95.0	65	135	0			
Acetone	42.93	5.0	50.00	0	85.9	20	160	0			
Iodomethane	48.35	5.0	50.00	0	96.7	70	126	0			
Carbon disulfide	46.65	5.0	50.00	0	93.3	45	160	0			
Methylene chloride	44.29	5.0	50.00	0	88.6	55	140	0			
trans-1,2-Dichloroethene	48.95	5.0	50.00	0	97.9	65	135	0			
Methyl tert-butyl ether	49.13	5.0	50.00	0	98.3	75	126	0			
1,1-Dichloroethane	49.11	5.0	50.00	0	98.2	75	125	0			
Vinyl acetate	52.00	5.0	50.00	0	104	65	138	0			B
2-Butanone	47.69	5.0	50.00	0	95.4	30	160	0			
cis-1,2-Dichloroethene	49.88	5.0	50.00	0	99.8	65	125	0			
2,2-Dichloropropane	49.88	5.0	50.00	0	99.8	65	135	0			
Bromochloromethane	48.86	5.0	50.00	0	97.7	70	125	0			
Chloroform	48.79	5.0	50.00	0	97.6	70	125	0			
1,1,1-Trichloroethane	48.12	5.0	50.00	0	96.2	70	135	0			
1,1-Dichloropropene	47.51	5.0	50.00	0	95.0	70	135	0			
Carbon tetrachloride	48.88	5.0	50.00	0	97.8	65	135	0			
1,2-Dichloroethane	50.89	5.0	50.00	0	102	70	135	0			
Benzene	47.28	5.0	50.00	0	94.6	75	125	0			
Trichloroethene	39.56	5.0	50.00	0	79.1	75	125	0			
1,2-Dichloropropane	49.58	5.0	50.00	0	99.2	70	120	0			
Dibromomethane	48.76	5.0	50.00	0	97.5	75	130	0			
Bromodichloromethane	49.39	5.0	50.00	0	98.8	70	130	0			
cis-1,3-Dichloropropene	51.01	5.0	50.00	0	102	70	125	0			
4-Methyl-2-pentanone	48.35	5.0	50.00	0	96.7	45	145	0			
Toluene	48.75	5.0	50.00	0	97.5	70	125	0			
trans-1,3-Dichloropropene	50.97	5.0	50.00	0	102	65	125	0			
1,1,2-Trichloroethane	48.89	5.0	50.00	0	97.8	60	125	0			
1,3-Dichloropropane	49.61	5.0	50.00	0	99.2	75	125	0			
Tetrachloroethene	28.93	5.0	50.00	0	57.9	65	140	0			S
2-Hexanone	47.36	5.0	50.00	0	94.7	45	145	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

0020

ANALYTICAL QC SUMMARY REPORT

SW8260_LOW_S
SW846 8260 -- VOC by GC-MS

CLIENT: Day Environmental Inc.
Work Order: J0281
Project: 151 Mt. Hope Ave.

Sample ID: LCS-49473 SampType: LCS TestCode: SW8260_LOW_S Prep Date: 02/25/10 9:41 Run ID: V6_100225A
Client ID: LCS-49473 Batch ID: 49473 Analysis Date: 02/25/10 10:00 SeqNo: 1214383

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	47.97	5.0	50.00	0	95.9	65	130	0			
1,2-Dibromoethane	48.03	5.0	50.00	0	96.1	70	125	0			
Chlorobenzene	48.07	5.0	50.00	0	96.1	75	125	0			
1,1,1,2-Tetrachloroethane	47.51	5.0	50.00	0	95.0	75	125	0			
Ethylbenzene	47.40	5.0	50.00	0	94.8	75	125	0			
m,p-Xylene	96.26	5.0	100.0	0	96.3	80	125	0			
o-Xylene	47.85	5.0	50.00	0	95.7	75	125	0			
Xylene (Total)	144.1	5.0	150.0	0	96.1	83	125	0			
Styrene	48.90	5.0	50.00	0	97.8	75	125	0			
Bromoform	47.13	5.0	50.00	0	94.3	55	135	0			
Isopropylbenzene	47.74	5.0	50.00	0	95.5	75	130	0			
1,1,2,2-Tetrachloroethane	66.94	5.0	50.00	0	134	55	130	0			S
Bromobenzene	47.45	5.0	50.00	0	94.9	65	120	0			
1,2,3-Trichloropropane	52.85	5.0	50.00	0	106	65	130	0			
n-Propylbenzene	46.95	5.0	50.00	0	93.9	65	135	0			
2-Chlorotoluene	46.67	5.0	50.00	0	93.3	70	130	0			
1,3,5-Trimethylbenzene	47.63	5.0	50.00	0	95.3	65	135	0			
4-Chlorotoluene	46.79	5.0	50.00	0	93.6	75	125	0			
tert-Butylbenzene	52.86	5.0	50.00	0	106	65	130	0			
1,2,4-Trimethylbenzene	47.20	5.0	50.00	0	94.4	65	135	0			
sec-Butylbenzene	46.08	5.0	50.00	0	92.2	65	130	0			
4-Isopropyltoluene	45.60	5.0	50.00	0	91.2	75	135	0			
1,3-Dichlorobenzene	46.86	5.0	50.00	0	93.7	70	125	0			
1,4-Dichlorobenzene	46.31	5.0	50.00	0	92.6	70	125	0			
n-Butylbenzene	44.64	5.0	50.00	0	89.3	65	140	0			
1,2-Dichlorobenzene	47.15	5.0	50.00	0	94.3	75	120	0			
1,2-Dibromo-3-chloropropane	50.40	5.0	50.00	0	101	40	135	0			
1,2,4-Trichlorobenzene	39.69	5.0	50.00	0	79.4	65	130	0			
Hexachlorobutadiene	42.94	5.0	50.00	0	85.9	55	140	0			
1,2,3-Trichlorobenzene	36.87	5.0	50.00	0	73.7	60	135	0			
Naphthalene	43.36	5.0	50.00	0	86.7	40	125	0			B
Surrogate: Dibromofluoromethane	52.56	5.0	50.00	0	105	65	132	0			
Surrogate: 1,2-Dichloroethane-d4	53.42	5.0	50.00	0	107	65	128	0			
Surrogate: Toluene-d8	49.48	5.0	50.00	0	99.0	85	115	0			
Surrogate: Bromofluorobenzene	50.90	5.0	50.00	0	102	77	111	0			

0021

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
 SW8260_LOW_S
 SW846 8260 -- VOC by GC-MS

Sample ID: LCS-49496 SampType: LCS TestCode: SW8260_LOW_S Run ID: V6_100226A
 Client ID: LCS-49496 Batch ID: 49496 Units: µg/Kg Prep Date: 02/26/10 8:37 SeqNo: 1214700
 Analysis Date: 02/26/10 9:18

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	43.57	5.0	50.00	0	87.1	35	135	0			
Chloromethane	47.21	5.0	50.00	0	94.4	50	130	0			
Vinyl chloride	46.61	5.0	50.00	0	93.2	60	125	0			
Bromomethane	48.84	5.0	50.00	0	97.7	30	160	0			
Chloroethane	46.88	5.0	50.00	0	93.8	40	155	0			
Trichlorofluoromethane	44.58	5.0	50.00	0	89.2	25	185	0			
1,1-Dichloroethene	50.24	5.0	50.00	0	100	65	135	0			
Acetone	49.56	5.0	50.00	0	99.1	20	160	0			
Iodomethane	50.22	5.0	50.00	0	100	70	126	0			
Carbon disulfide	48.29	5.0	50.00	0	96.6	45	160	0			
Methylene chloride	49.50	5.0	50.00	0	99.0	55	140	0			
trans-1,2-Dichloroethene	51.86	5.0	50.00	0	104	65	135	0			
Methyl tert-butyl ether	58.14	5.0	50.00	0	116	75	126	0			
1,1-Dichloroethane	53.33	5.0	50.00	0	107	75	125	0			
Vinyl acetate	61.25	5.0	50.00	0	122	65	138	0			
2-Butanone	58.14	5.0	50.00	0	116	30	160	0			
cis-1,2-Dichloroethene	53.08	5.0	50.00	0	106	65	125	0			
2,2-Dichloropropane	55.02	5.0	50.00	0	110	65	135	0			
Bromochloromethane	52.20	5.0	50.00	0	104	70	125	0			
Chloroform	51.80	5.0	50.00	0	104	70	125	0			
1,1,1-Trichloroethane	50.64	5.0	50.00	0	101	70	135	0			
1,1-Dichloropropene	53.15	5.0	50.00	0	106	70	135	0			
Carbon tetrachloride	49.87	5.0	50.00	0	99.7	65	135	0			
1,2-Dichloroethane	57.08	5.0	50.00	0	114	70	135	0			
Benzene	52.41	5.0	50.00	0	105	75	125	0			
Trichloroethene	41.84	5.0	50.00	0	83.7	75	125	0			
1,2-Dichloropropane	54.35	5.0	50.00	0	109	70	120	0			
Dibromomethane	54.06	5.0	50.00	0	108	75	130	0			
Bromodichloromethane	52.96	5.0	50.00	0	106	70	130	0			
cis-1,3-Dichloropropene	56.42	5.0	50.00	0	113	70	125	0			
4-Methyl-2-pentanone	62.78	5.0	50.00	0	126	45	145	0			
Toluene	54.43	5.0	50.00	0	109	70	125	0			
trans-1,3-Dichloropropene	57.69	5.0	50.00	0	115	65	125	0			
1,1,2-Trichloroethane	54.42	5.0	50.00	0	109	60	125	0			
1,3-Dichloropropane	56.28	5.0	50.00	0	113	75	125	0			
Tetrachloroethene	29.10	5.0	50.00	0	58.2	65	140	0			S
2-Hexanone	60.65	5.0	50.00	0	121	45	145	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

SW8260_LOW_S
SW846 8260 -- VOC by GC-MS

CLIENT: Day Environmental Inc.
Work Order: J0281
Project: 151 Mt. Hope Ave.

Sample ID: LCS-49496 **SampType:** LCS **TestCode:** SW8260_LOW_S **Prep Date:** 02/26/10 8:37 **Run ID:** V6_100226A
Client ID: LCS-49496 **Batch ID:** 49496 **Units:** µg/Kg **Analysis Date:** 02/26/10 9:18 **SeqNo:** 1214700

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	51.83	5.0	50.00	0	104	65	130	0			
1,2-Dibromoethane	55.32	5.0	50.00	0	111	70	125	0			
Chlorobenzene	51.12	5.0	50.00	0	102	75	125	0			
1,1,1,2-Tetrachloroethane	50.05	5.0	50.00	0	100	75	125	0			
Ethylbenzene	51.19	5.0	50.00	0	102	75	125	0			
m,p-Xylene	103.2	5.0	100.0	0	103	80	125	0			
o-Xylene	52.80	5.0	50.00	0	106	75	125	0			
Xylene (Total)	156.0	5.0	150.0	0	104	83	125	0			
Styrene	52.59	5.0	50.00	0	105	75	125	0			
Bromoforn	52.63	5.0	50.00	0	105	55	135	0			
Isopropylbenzene	52.34	5.0	50.00	0	105	75	130	0			
1,1,2,2-Tetrachloroethane	80.91	5.0	50.00	0	162	55	130	0			
Bromobenzene	50.10	5.0	50.00	0	100	65	120	0			
1,2,3-Trichloropropane	62.99	5.0	50.00	0	126	65	130	0			
n-Propylbenzene	50.86	5.0	50.00	0	102	65	135	0			
2-Chlorotoluene	50.61	5.0	50.00	0	101	70	130	0			
1,3,5-Trimethylbenzene	51.86	5.0	50.00	0	104	65	135	0			
4-Chlorotoluene	51.52	5.0	50.00	0	103	75	125	0			
tert-Butylbenzene	58.71	5.0	50.00	0	117	65	130	0			
1,2,4-Trimethylbenzene	51.24	5.0	50.00	0	102	65	135	0			
sec-Butylbenzene	50.34	5.0	50.00	0	101	65	130	0			
4-Isopropyltoluene	48.82	5.0	50.00	0	97.6	75	135	0			
1,3-Dichlorobenzene	50.36	5.0	50.00	0	101	70	125	0			
1,4-Dichlorobenzene	49.27	5.0	50.00	0	98.5	70	125	0			
n-Butylbenzene	47.48	5.0	50.00	0	95.0	65	140	0			
1,2-Dichlorobenzene	50.81	5.0	50.00	0	102	75	120	0			
1,2-Dibromo-3-chloropropane	60.99	5.0	50.00	0	122	40	135	0			
1,2,4-Trichlorobenzene	39.14	5.0	50.00	0	78.3	65	130	0			
Hexachlorobutadiene	43.62	5.0	50.00	0	87.2	55	140	0			
1,2,3-Trichlorobenzene	35.74	5.0	50.00	0	71.5	60	135	0			
Naphthalene	39.92	5.0	50.00	0	79.8	40	125	0			
Surrogate: Dibromofluoromethane	52.20	5.0	50.00	0	104	65	132	0			
Surrogate: 1,2-Dichloroethane-d4	56.23	5.0	50.00	0	112	65	128	0			
Surrogate: Toluene-d8	49.32	5.0	50.00	0	98.6	85	115	0			
Surrogate: Bromofluorobenzene	51.19	5.0	50.00	0	102	77	111	0			

0020

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
 SW8260_LOW_S
 SW846 8260 -- VOC by GC-MS

Sample ID: LCSD-49473	SampType: LCSD	TestCode: SW8260_LOW_S	Prep Date: 02/25/10 9:41	Run ID: V6_100225A							
Client ID: LCSD-49473	Batch ID: 49473	Units: µg/Kg	Analysis Date: 02/25/10 10:35	SeqNo: 1214384							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	43.42	5.0	50.00	0	86.8	35	135	41.85	3.67	40	
Chloromethane	48.64	5.0	50.00	0	97.3	50	130	47.31	2.77	40	
Vinyl chloride	46.98	5.0	50.00	0	94.0	60	125	48.05	2.26	40	
Bromomethane	50.25	5.0	50.00	0	101	30	160	50.33	0.152	40	
Chloroethane	50.23	5.0	50.00	0	100	40	155	50.43	0.391	40	
Trichlorofluoromethane	46.81	5.0	50.00	0	93.6	25	185	47.30	1.04	40	
1,1-Dichloroethene	48.18	5.0	50.00	0	96.4	65	135	47.50	1.43	40	
Acetone	38.67	5.0	50.00	0	77.3	20	160	42.93	10.4	40	
Iodomethane	49.71	5.0	50.00	0	99.4	70	126	48.35	2.76	40	
Carbon disulfide	47.45	5.0	50.00	0	94.9	45	160	46.65	1.7	40	
Methylene chloride	48.28	5.0	50.00	0	96.6	55	140	44.29	8.61	40	B
trans-1,2-Dichloroethene	49.48	5.0	50.00	0	99.0	65	135	48.95	1.06	40	
Methyl tert-butyl ether	52.93	5.0	50.00	0	106	75	126	49.13	7.45	40	
1,1-Dichloroethane	50.62	5.0	50.00	0	101	75	125	49.11	3.02	40	
Vinyl acetate	56.85	5.0	50.00	0	114	65	138	52.00	8.92	40	
2-Butanone	53.08	5.0	50.00	0	106	30	160	47.69	10.7	40	
cis-1,2-Dichloroethene	52.73	5.0	50.00	0	105	65	125	49.88	5.55	40	
2,2-Dichloropropane	51.39	5.0	50.00	0	103	65	135	49.88	2.97	40	
Bromochloromethane	51.80	5.0	50.00	0	104	70	125	48.86	5.83	40	
Chloroform	50.42	5.0	50.00	0	101	70	125	48.79	3.29	40	
1,1,1-Trichloroethane	48.80	5.0	50.00	0	97.6	70	135	48.12	1.39	40	
1,1-Dichloropropene	50.44	5.0	50.00	0	101	70	135	47.51	5.99	40	
Carbon tetrachloride	49.75	5.0	50.00	0	99.5	65	135	48.88	1.75	40	
1,2-Dichloroethane	54.27	5.0	50.00	0	109	70	135	50.89	6.44	40	
Benzene	48.44	5.0	50.00	0	96.9	75	125	47.28	2.42	40	
Trichloroethene	41.39	5.0	50.00	0	82.8	75	125	39.56	4.51	40	
1,2-Dichloropropane	52.43	5.0	50.00	0	105	70	120	49.58	5.58	40	
Dibromomethane	52.85	5.0	50.00	0	106	75	130	48.76	8.06	40	
Bromodichloromethane	51.98	5.0	50.00	0	104	70	130	49.39	5.11	40	
cis-1,3-Dichloropropene	53.73	5.0	50.00	0	107	70	125	51.01	5.19	40	
4-Methyl-2-pentanone	57.25	5.0	50.00	0	114	45	145	48.35	16.9	40	
Toluene	51.61	5.0	50.00	0	103	70	125	48.75	5.69	40	
trans-1,3-Dichloropropene	53.56	5.0	50.00	0	107	65	125	50.97	4.94	40	
1,1,2-Trichloroethane	52.68	5.0	50.00	0	105	60	125	48.89	7.46	40	
1,3-Dichloropropane	52.99	5.0	50.00	0	106	75	125	49.61	6.61	40	
Tetrachloroethene	30.06	5.0	50.00	0	60.1	65	140	28.93	3.83	40	S
2-Hexanone	53.75	5.0	50.00	0	107	45	145	47.36	12.6	40	

Qualifiers: ND - Not Detected at the Reporting Limit
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 mlLIMS-001

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
 SW8260_LOW_S
 SW846 8260 -- VOC by GC-MS

Sample ID: LCSD-49473 SampType: LCSD TestCode: SW8260_LOW_S Run ID: V6_100225A
 Client ID: LCSD-49473 Batch ID: 49473 Units: µg/Kg Analysis Date: 02/25/10 10:35 SeqNo: 1214384
 Prep Date: 02/25/10 9:41

Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Dibromochloromethane	51.54	5.0	50.00	0	103	65	130	47.97	7.18	40	
1,2-Dibromoethane	53.09	5.0	50.00	0	106	70	125	48.03	10	40	
Chlorobenzene	49.94	5.0	50.00	0	99.9	75	125	48.07	3.82	40	
1,1,1,2-Tetrachloroethane	50.26	5.0	50.00	0	101	75	125	47.51	5.61	40	
Ethylbenzene	49.73	5.0	50.00	0	99.5	75	125	47.40	4.8	40	
m,p-Xylene	99.56	5.0	100.0	0	99.6	80	125	96.26	3.37	40	
o-Xylene	50.21	5.0	50.00	0	100	75	125	47.85	4.81	40	
Xylene (Total)	149.8	5.0	150.0	0	99.9	83	125	144.1	3.85	40	
Styrene	50.66	5.0	50.00	0	101	75	125	48.90	3.54	40	
Bromoform	53.13	5.0	50.00	0	106	55	135	47.13	12	40	
Isopropylbenzene	49.50	5.0	50.00	0	99.0	75	130	47.74	3.61	40	
1,1,2,2-Tetrachloroethane	75.07	5.0	50.00	0	150	55	130	66.94	11.5	40	S
Bromobenzene	49.84	5.0	50.00	0	99.7	65	120	47.45	4.9	40	
1,2,3-Trichloropropane	59.44	5.0	50.00	0	119	65	130	52.85	11.7	40	
n-Propylbenzene	49.61	5.0	50.00	0	99.2	65	135	46.95	5.5	40	
2-Chlorotoluene	49.13	5.0	50.00	0	98.3	70	130	46.67	5.13	40	
1,3,5-Trimethylbenzene	49.78	5.0	50.00	0	99.6	65	135	47.63	4.41	40	
4-Chlorotoluene	49.50	5.0	50.00	0	99.0	75	125	46.79	5.64	40	
tert-Butylbenzene	55.57	5.0	50.00	0	111	65	130	52.86	5.0	40	
1,2,4-Trimethylbenzene	49.60	5.0	50.00	0	99.2	65	135	47.20	4.97	40	
sec-Butylbenzene	48.03	5.0	50.00	0	96.1	65	130	46.08	4.15	40	
4-Isopropyltoluene	47.64	5.0	50.00	0	95.3	75	135	45.60	4.38	40	
1,3-Dichlorobenzene	49.27	5.0	50.00	0	98.5	70	125	46.86	5.0	40	
1,4-Dichlorobenzene	49.04	5.0	50.00	0	98.1	70	125	46.31	5.73	40	
n-Butylbenzene	46.78	5.0	50.00	0	93.6	65	140	44.64	4.7	40	
1,2-Dichlorobenzene	50.13	5.0	50.00	0	100	75	120	47.15	6.12	40	
1,2-Dibromo-3-chloropropane	62.58	5.0	50.00	0	125	40	135	50.40	21.6	40	
1,2,4-Trichlorobenzene	42.90	5.0	50.00	0	85.8	65	130	39.69	7.75	40	
Hexachlorobutadiene	44.54	5.0	50.00	0	89.1	55	140	42.94	3.66	40	
1,2,3-Trichlorobenzene	41.64	5.0	50.00	0	83.3	60	135	36.87	12.2	40	
Naphthalene	50.74	5.0	50.00	0	101	40	125	43.36	15.7	40	B
Surrogate: Dibromofluoromethane	51.51	5.0	50.00	0	103	65	132	0	0	40	
Surrogate: 1,2-Dichloroethane-d4	56.34	5.0	50.00	0	113	65	128	0	0	40	
Surrogate: Toluene-d8	49.49	5.0	50.00	0	99.0	85	115	0	0	40	
Surrogate: Bromofluorobenzene	50.50	5.0	50.00	0	101	77	111	0	0	40	

0025

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
 SW8260_LOW_S
 SW846 8260 -- VOC by GC-MS

Sample ID: LCSD-49496 SampType: LCSD TestCode: SW8260_LOW_S Run ID: V6_100226A
 Client ID: LCSD-49496 Batch ID: 49496 Analysis Date: 02/26/10 9:53 SeqNo: 1214701

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	39.51	5.0	50.00	0	79.0	35	135	43.57	9.79	40	
Chloromethane	45.44	5.0	50.00	0	90.9	50	130	47.21	3.82	40	
Vinyl chloride	44.18	5.0	50.00	0	88.4	60	125	46.61	5.35	40	
Bromomethane	47.54	5.0	50.00	0	95.1	30	160	48.84	2.71	40	
Chloroethane	49.76	5.0	50.00	0	99.5	40	155	46.88	5.96	40	
Trichlorofluoromethane	41.43	5.0	50.00	0	82.9	25	185	44.58	7.32	40	
1,1-Dichloroethene	45.30	5.0	50.00	0	90.6	65	135	50.24	10.4	40	
Acetone	33.41	5.0	50.00	0	66.8	20	160	49.56	38.9	40	
Iodomethane	48.16	5.0	50.00	0	96.3	70	126	50.22	4.17	40	
Carbon disulfide	44.74	5.0	50.00	0	89.5	45	160	48.29	7.61	40	
Methylene chloride	46.34	5.0	50.00	0	92.7	55	140	49.50	6.59	40	B
trans-1,2-Dichloroethene	49.18	5.0	50.00	0	98.4	65	135	51.86	5.3	40	
Methyl tert-butyl ether	51.72	5.0	50.00	0	103	75	126	58.14	11.7	40	
1,1-Dichloroethane	51.07	5.0	50.00	0	102	75	125	53.33	4.34	40	
Vinyl acetate	54.72	5.0	50.00	0	109	65	138	61.25	11.3	40	
2-Butanone	41.98	5.0	50.00	0	84.0	30	160	58.14	32.3	40	
cis-1,2-Dichloroethene	50.91	5.0	50.00	0	102	65	125	53.08	4.16	40	
2,2-Dichloropropane	52.27	5.0	50.00	0	105	65	135	55.02	5.12	40	
Bromochloromethane	49.58	5.0	50.00	0	99.2	70	125	52.20	5.14	40	
Chloroform	49.88	5.0	50.00	0	99.8	70	125	51.80	3.76	40	
1,1,1-Trichloroethane	47.13	5.0	50.00	0	94.3	70	135	50.64	7.19	40	
1,1-Dichloropropene	48.43	5.0	50.00	0	96.9	70	135	53.15	9.28	40	
Carbon tetrachloride	45.67	5.0	50.00	0	91.3	65	135	49.87	8.81	40	
1,2-Dichloroethane	51.79	5.0	50.00	0	104	70	135	57.08	9.71	40	
Benzene	48.32	5.0	50.00	0	96.6	75	125	52.41	8.12	40	
Trichloroethene	40.38	5.0	50.00	0	80.8	75	125	41.84	3.56	40	
1,2-Dichloropropane	53.14	5.0	50.00	0	106	70	120	54.35	2.25	40	
Dibromomethane	47.96	5.0	50.00	0	95.9	75	130	54.06	12	40	
Bromodichloromethane	50.52	5.0	50.00	0	101	70	130	52.96	4.71	40	
cis-1,3-Dichloropropene	53.60	5.0	50.00	0	107	70	125	56.42	5.12	40	
4-Methyl-2-pentanone	47.00	5.0	50.00	0	94.0	45	145	62.78	28.8	40	
Toluene	51.46	5.0	50.00	0	103	70	125	54.43	5.61	40	
trans-1,3-Dichloropropene	52.78	5.0	50.00	0	106	65	125	57.69	8.9	40	
1,1,2-Trichloroethane	48.30	5.0	50.00	0	96.6	60	125	54.42	11.9	40	
1,3-Dichloropropane	48.24	5.0	50.00	0	96.5	75	125	56.28	15.4	40	
Tetrachloroethene	26.49	5.0	50.00	0	53.0	65	140	29.10	9.38	40	S
2-Hexanone	41.72	5.0	50.00	0	83.4	45	145	60.65	37	40	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

0026

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
 SW8260_LOW_S
 SW846 8260 -- VOC by GC-MS

Sample ID: LCSD-49496 SampType: LCSD TestCode: SW8260_LOW_S Run ID: V6_100226A
 Client ID: LCSD-49496 Batch ID: 49496 Analysis Date: 02/26/10 9:53 SeqNo: 1214701
 Prep Date: 02/26/10 8:37

Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
	Units: µg/Kg										
Dibromochloromethane	46.78	5.0	50.00	0	93.6	65	130	51.83	10.3	40	
1,2-Dibromoethane	46.72	5.0	50.00	0	93.4	70	125	55.32	16.9	40	
Chlorobenzene	48.08	5.0	50.00	0	96.2	75	125	51.12	6.13	40	
1,1,1,2-Tetrachloroethane	47.98	5.0	50.00	0	96.0	75	125	50.05	4.21	40	
Ethylbenzene	48.25	5.0	50.00	0	96.5	75	125	51.19	5.91	40	
m,p-Xylene	97.96	5.0	100.0	0	98.0	80	125	103.2	5.21	40	
o-Xylene	48.95	5.0	50.00	0	97.9	75	125	52.80	7.56	40	
Xylene (Total)	146.9	5.0	150.0	0	97.9	83	125	156.0	6.0	40	
Styrene	49.42	5.0	50.00	0	98.8	75	125	52.59	6.21	40	
Bromoform	44.04	5.0	50.00	0	88.1	55	135	52.63	17.8	40	
Isopropylbenzene	47.96	5.0	50.00	0	95.9	75	130	52.34	8.74	40	
1,1,2,2-Tetrachloroethane	66.57	5.0	50.00	0	133	55	130	80.91	19.5	40	S
Bromobenzene	49.07	5.0	50.00	0	98.1	65	120	50.10	2.09	40	
1,2,3-Trichloropropane	50.06	5.0	50.00	0	100	65	130	62.99	22.9	40	
n-Propylbenzene	47.26	5.0	50.00	0	94.5	65	135	50.86	7.33	40	
2-Chlorotoluene	48.98	5.0	50.00	0	98.0	70	130	50.61	3.28	40	
1,3,5-Trimethylbenzene	48.97	5.0	50.00	0	97.9	65	135	51.86	5.71	40	
4-Chlorotoluene	49.03	5.0	50.00	0	98.1	75	125	51.52	4.95	40	
tert-Butylbenzene	54.46	5.0	50.00	0	109	65	130	58.71	7.51	40	
1,2,4-Trimethylbenzene	48.62	5.0	50.00	0	97.2	65	135	51.24	5.26	40	
sec-Butylbenzene	46.23	5.0	50.00	0	92.5	65	130	50.34	8.52	40	
4-Isopropyltoluene	45.23	5.0	50.00	0	90.5	75	135	48.82	7.63	40	
1,3-Dichlorobenzene	48.21	5.0	50.00	0	96.4	70	125	50.36	4.36	40	
1,4-Dichlorobenzene	47.05	5.0	50.00	0	94.1	70	125	49.27	4.61	40	
n-Butylbenzene	43.80	5.0	50.00	0	87.6	65	140	47.48	8.06	40	
1,2-Dichlorobenzene	48.61	5.0	50.00	0	97.2	75	120	50.81	4.42	40	
1,2-Dibromo-3-chloropropane	47.90	5.0	50.00	0	95.8	40	135	60.99	24	40	
1,2,4-Trichlorobenzene	34.62	5.0	50.00	0	69.2	65	130	39.14	12.3	40	
Hexachlorobutadiene	39.01	5.0	50.00	0	78.0	55	140	43.62	11.2	40	
1,2,3-Trichlorobenzene	30.72	5.0	50.00	0	61.4	60	135	35.74	15.1	40	
Naphthalene	32.95	5.0	50.00	0	65.9	40	125	39.92	19.1	40	
Surrogate: Dibromofluoromethane	50.78	5.0	50.00	0	102	65	132	0	0	40	
Surrogate: 1,2-Dichloroethane-d4	48.67	5.0	50.00	0	97.3	65	128	0	0	40	
Surrogate: Toluene-d8	48.85	5.0	50.00	0	97.7	85	115	0	0	40	
Surrogate: Bromofluorobenzene	51.10	5.0	50.00	0	102	77	111	0	0	40	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

0027

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

SW8260_W
 SW846 8260 -- VOC by GC-MS

Sample ID: MB-49504 SampType: MBLK TestCode: SW8260_W Run ID: V1_100226B
 Client ID: MB-49504 Batch ID: 49504 Units: µg/L Analysis Date: 02/26/10 11:28 SeqNo: 1214684
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Dichlorodifluoromethane	ND	5.0												
Chloromethane	ND	5.0												
Vinyl chloride	ND	5.0												
Bromomethane	ND	5.0												
Chloroethane	ND	5.0												
Trichlorofluoromethane	ND	5.0												
1,1-Dichloroethene	ND	5.0												
Acetone	ND	5.0												
Iodomethane	ND	5.0												
Carbon disulfide	ND	5.0												
Methylene chloride	ND	5.0												
trans-1,2-Dichloroethene	ND	5.0												
Methyl tert-butyl ether	ND	5.0												
1,1-Dichloroethane	ND	5.0												
Vinyl acetate	ND	5.0												
2-Butanone	ND	5.0												
cis-1,2-Dichloroethene	ND	5.0												
2,2-Dichloropropane	ND	5.0												
Bromochloromethane	ND	5.0												
Chloroform	ND	5.0												
1,1,1-Trichloroethane	ND	5.0												
1,1-Dichloropropene	ND	5.0												
Carbon tetrachloride	ND	5.0												
1,2-Dichloroethane	ND	5.0												
Benzene	ND	5.0												
Trichloroethene	ND	5.0												
1,2-Dichloropropane	ND	5.0												
Dibromomethane	ND	5.0												
Bromodichloromethane	ND	5.0												
cis-1,3-Dichloropropene	ND	5.0												
4-Methyl-2-pentanone	ND	5.0												
Toluene	ND	5.0												
trans-1,3-Dichloropropene	ND	5.0												
1,1,2-Trichloroethane	ND	5.0												
1,1,3-Dichloropropane	ND	5.0												
Tetrachloroethene	ND	5.0												
2-Hexanone	ND	5.0												

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

0020

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

SW8260_W
 SW846 8260 -- VOC by GC-MS

Sample ID: MB-49504 Prep Date: 02/26/10 9:49 Run ID: V1_100226B
 Client ID: MB-49504 Analysis Date: 02/26/10 11:28 SeqNo: 1214684

Analyte	TestCode: SW8260_W	SampType: MBLK	Batch ID: 49504	Units: µg/L	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane					ND	5.0									
1,2-Dibromoethane					ND	5.0									
Chlorobenzene					ND	5.0									
1,1,1,2-Tetrachloroethane					ND	5.0									
Ethylbenzene					ND	5.0									
m,p-Xylene					ND	5.0									
o-Xylene					ND	5.0									
Xylene (Total)					ND	5.0									
Styrene					ND	5.0									
Bromoform					ND	5.0									
Isopropylbenzene					ND	5.0									
1,1,2,2-Tetrachloroethane					ND	5.0									
Bromobenzene					ND	5.0									
1,2,3-Trichloropropane					ND	5.0									
n-Propylbenzene					ND	5.0									
2-Chlorotoluene					ND	5.0									
1,3,5-Trimethylbenzene					ND	5.0									
4-Chlorotoluene					ND	5.0									
tert-Butylbenzene					ND	5.0									
1,2,4-Trimethylbenzene					ND	5.0									
sec-Butylbenzene					ND	5.0									
4-Isopropyltoluene					ND	5.0									
1,3-Dichlorobenzene					ND	5.0									
1,4-Dichlorobenzene					ND	5.0									
n-Butylbenzene					ND	5.0									
1,2-Dichlorobenzene					ND	5.0									
1,2-Dibromo-3-chloropropane					ND	5.0									
1,2,4-Trichlorobenzene					ND	5.0									
Hexachlorobutadiene					ND	5.0									
1,2,3-Trichlorobenzene					ND	5.0									
Naphthalene					ND	5.0									
Surrogate: Dibromofluoromethane					50.33		50.00	0	101	85	115	0			
Surrogate: 1,2-Dichloroethane-d4					48.26		50.00	0	96.5	70	120	0			
Surrogate: Toluene-d8					53.35		50.00	0	107	85	120	0			
Surrogate: Bromofluorobenzene					48.97		50.00	0	97.9	75	120	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 mLIMS-001 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

0020

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT

SW8260_W
 SW846 8260 -- VOC by GC-MS

Sample ID: LCS-49504	SampType: LCS	TestCode: SW8260_W	Prep Date: 02/26/10 9:49	Run ID: V1_100226B							
Client ID: LCS-49504	Batch ID: 49504	Units: µg/L	Analysis Date: 02/26/10 10:06	SeqNo: 1214681							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	49.03	5.0	50.00	0	98.1	30	155	0			
Chloromethane	42.04	5.0	50.00	0	84.1	40	125	0			
Vinyl chloride	40.69	5.0	50.00	0	81.4	50	145	0			
Bromomethane	40.50	5.0	50.00	0	81.0	30	145	0			
Chloroethane	37.79	5.0	50.00	0	75.6	60	135	0			
Trichlorofluoromethane	60.71	5.0	50.00	0	121	60	145	0			
1,1-Dichloroethene	43.34	5.0	50.00	0	86.7	70	130	0			
Acetone	46.79	5.0	50.00	0	93.6	40	140	0			
Iodomethane	43.01	5.0	50.00	0	86.0	72	121	0			
Carbon disulfide	46.38	5.0	50.00	0	92.8	35	160	0			
Methylene chloride	42.60	5.0	50.00	0	85.2	55	140	0			
trans-1,2-Dichloroethene	43.27	5.0	50.00	0	86.5	60	140	0			
Methyl tert-butyl ether	44.33	5.0	50.00	0	88.7	65	125	0			
1,1-Dichloroethane	43.76	5.0	50.00	0	87.5	70	135	0			
Vinyl acetate	43.13	5.0	50.00	0	86.3	38	163	0			
2-Butanone	46.16	5.0	50.00	0	92.3	30	150	0			
cis-1,2-Dichloroethene	42.97	5.0	50.00	0	85.9	70	125	0			
2,2-Dichloropropane	45.89	5.0	50.00	0	91.8	70	135	0			
Bromochloromethane	42.99	5.0	50.00	0	86.0	65	130	0			
Chloroform	44.73	5.0	50.00	0	89.5	65	135	0			
1,1,1-Trichloroethane	46.11	5.0	50.00	0	92.2	65	130	0			
1,1-Dichloropropene	43.68	5.0	50.00	0	87.4	75	130	0			
Carbon tetrachloride	48.90	5.0	50.00	0	97.8	65	140	0			
1,2-Dichloroethane	45.36	5.0	50.00	0	90.7	70	130	0			
Benzene	43.46	5.0	50.00	0	86.9	80	120	0			
Trichloroethene	41.53	5.0	50.00	0	83.1	70	125	0			
1,2-Dichloropropane	44.74	5.0	50.00	0	89.5	75	125	0			
Dibromomethane	45.50	5.0	50.00	0	91.0	75	125	0			
Bromodichloromethane	44.48	5.0	50.00	0	89.0	75	120	0			
cis-1,3-Dichloropropene	46.02	5.0	50.00	0	92.0	70	130	0			
4-Methyl-2-pentanone	39.48	5.0	50.00	0	79.0	60	135	0			
Toluene	43.48	5.0	50.00	0	87.0	75	120	0			
trans-1,3-Dichloropropene	46.90	5.0	50.00	0	93.8	55	140	0			
1,1,2-Trichloroethane	43.16	5.0	50.00	0	86.3	75	125	0			
1,3-Dichloropropane	45.98	5.0	50.00	0	92.0	75	125	0			
Tetrachloroethene	41.18	5.0	50.00	0	82.4	45	150	0			
2-Hexanone	41.69	5.0	50.00	0	83.4	55	130	0			

Qualifiers: ND - Not Detected at the Reporting Limit
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT

SW8260_W
 SW846 8260 -- VOC by GC-MS

Sample ID: LCS-49504	SampType: LCS	TestCode: SW8260_W	Prep Date: 02/26/10 9:49	Run ID: V1_100226B							
Client ID: LCS-49504	Batch ID: 49504	Units: µg/L	Analysis Date: 02/26/10 10:06	SeqNo: 1214681							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	49.38	5.0	50.00	0	98.8	60	135	0			
1,2-Dibromoethane	45.40	5.0	50.00	0	90.8	80	120	0			
Chlorobenzene	44.34	5.0	50.00	0	88.7	80	120	0			
1,1,1,2-Tetrachloroethane	47.99	5.0	50.00	0	96.0	80	130	0			
Ethylbenzene	44.36	5.0	50.00	0	88.7	75	125	0			
m,p-Xylene	89.56	5.0	100.0	0	89.6	75	130	0			
o-Xylene	44.13	5.0	50.00	0	88.3	80	120	0			
Xylene (Total)	133.7	5.0	150.0	0	89.1	81	121	0			
Styrene	44.81	5.0	50.00	0	89.6	65	135	0			
Bromoform	53.87	5.0	50.00	0	108	70	130	0			
Isopropylbenzene	43.79	5.0	50.00	0	87.6	75	125	0			
1,1,2,2-Tetrachloroethane	47.57	5.0	50.00	0	95.1	65	130	0			
Bromobenzene	45.48	5.0	50.00	0	91.0	75	125	0			
1,2,3-Trichloropropane	51.31	5.0	50.00	0	103	75	125	0			
n-Propylbenzene	42.71	5.0	50.00	0	85.4	70	130	0			
2-Chlorotoluene	45.25	5.0	50.00	0	90.5	75	125	0			
1,3,5-Trimethylbenzene	45.39	5.0	50.00	0	90.8	75	130	0			
4-Chlorotoluene	44.67	5.0	50.00	0	89.3	75	130	0			
tert-Butylbenzene	45.13	5.0	50.00	0	90.3	70	130	0			
1,2,4-Trimethylbenzene	44.33	5.0	50.00	0	88.7	75	130	0			
sec-Butylbenzene	41.54	5.0	50.00	0	83.1	70	125	0			
4-Isopropyltoluene	42.92	5.0	50.00	0	85.8	75	130	0			
1,3-Dichlorobenzene	44.31	5.0	50.00	0	88.6	75	125	0			
1,4-Dichlorobenzene	44.26	5.0	50.00	0	88.5	75	125	0			
n-Butylbenzene	39.53	5.0	50.00	0	79.1	70	135	0			
1,2-Dichlorobenzene	46.88	5.0	50.00	0	93.8	70	120	0			
1,2-Dibromo-3-chloropropane	57.79	5.0	50.00	0	116	50	130	0			
1,2,4-Trichlorobenzene	46.27	5.0	50.00	0	92.5	65	135	0			
Hexachlorobutadiene	43.20	5.0	50.00	0	86.4	50	140	0			
1,2,3-Trichlorobenzene	51.00	5.0	50.00	0	102	55	140	0			
Naphthalene	52.54	5.0	50.00	0	105	55	140	0			
Surrogate: Dibromofluoromethane	50.82	5.0	50.00	0	102	85	115	0			
Surrogate: 1,2-Dichloroethane-d4	49.03	5.0	50.00	0	98.1	70	120	0			
Surrogate: Toluene-d8	52.30	5.0	50.00	0	105	85	120	0			
Surrogate: Bromofluorobenzene	50.78	5.0	50.00	0	102	75	120	0			

0001

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-4 (2')

Lab ID: J0281-02

Project: 151 Mt. Hope Ave.

Collection Date: 02/19/10 9:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Phenol	ND		390	µg/Kg	1	02/26/2010 18:10	49468
Bis(2-chloroethyl)ether	ND		390	µg/Kg	1	02/26/2010 18:10	49468
2-Chlorophenol	ND		390	µg/Kg	1	02/26/2010 18:10	49468
1,3-Dichlorobenzene	ND		390	µg/Kg	1	02/26/2010 18:10	49468
1,4-Dichlorobenzene	ND		390	µg/Kg	1	02/26/2010 18:10	49468
1,2-Dichlorobenzene	ND		390	µg/Kg	1	02/26/2010 18:10	49468
2-Methylphenol	ND		390	µg/Kg	1	02/26/2010 18:10	49468
2,2'-oxybis(1-Chloropropane)	ND		390	µg/Kg	1	02/26/2010 18:10	49468
4-Methylphenol	ND		390	µg/Kg	1	02/26/2010 18:10	49468
N-Nitroso-di-n-propylamine	ND		390	µg/Kg	1	02/26/2010 18:10	49468
Hexachloroethane	ND		390	µg/Kg	1	02/26/2010 18:10	49468
Nitrobenzene	ND		390	µg/Kg	1	02/26/2010 18:10	49468
Isophorone	ND		390	µg/Kg	1	02/26/2010 18:10	49468
2-Nitrophenol	ND		390	µg/Kg	1	02/26/2010 18:10	49468
2,4-Dimethylphenol	ND		390	µg/Kg	1	02/26/2010 18:10	49468
2,4-Dichlorophenol	ND		390	µg/Kg	1	02/26/2010 18:10	49468
1,2,4-Trichlorobenzene	ND		390	µg/Kg	1	02/26/2010 18:10	49468
Naphthalene	ND		390	µg/Kg	1	02/26/2010 18:10	49468
4-Chloroaniline	ND		390	µg/Kg	1	02/26/2010 18:10	49468
Bis(2-chloroethoxy)methane	ND		390	µg/Kg	1	02/26/2010 18:10	49468
Hexachlorobutadiene	ND		390	µg/Kg	1	02/26/2010 18:10	49468
4-Chloro-3-methylphenol	ND		390	µg/Kg	1	02/26/2010 18:10	49468
2-Methylnaphthalene	40	J	390	µg/Kg	1	02/26/2010 18:10	49468
Hexachlorocyclopentadiene	ND		390	µg/Kg	1	02/26/2010 18:10	49468
2,4,6-Trichlorophenol	ND		390	µg/Kg	1	02/26/2010 18:10	49468
2,4,5-Trichlorophenol	ND		790	µg/Kg	1	02/26/2010 18:10	49468
2-Chloronaphthalene	ND		390	µg/Kg	1	02/26/2010 18:10	49468
2-Nitroaniline	ND		790	µg/Kg	1	02/26/2010 18:10	49468
Dimethylphthalate	ND		390	µg/Kg	1	02/26/2010 18:10	49468
Acenaphthylene	140	J	390	µg/Kg	1	02/26/2010 18:10	49468
2,6-Dinitrotoluene	ND		390	µg/Kg	1	02/26/2010 18:10	49468
3-Nitroaniline	ND		790	µg/Kg	1	02/26/2010 18:10	49468
Acenaphthene	92	J	390	µg/Kg	1	02/26/2010 18:10	49468
2,4-Dinitrophenol	ND		790	µg/Kg	1	02/26/2010 18:10	49468
4-Nitrophenol	ND		790	µg/Kg	1	02/26/2010 18:10	49468
Dibenzofuran	51	J	390	µg/Kg	1	02/26/2010 18:10	49468
2,4-Dinitrotoluene	ND		390	µg/Kg	1	02/26/2010 18:10	49468
Diethylphthalate	ND		390	µg/Kg	1	02/26/2010 18:10	49468
4-Chlorophenyl-phenylether	ND		390	µg/Kg	1	02/26/2010 18:10	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-4 (2')

Lab ID: J0281-02

Project: 151 Mt. Hope Ave.

Collection Date: 02/19/10 9:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Fluorene	110	J	390	µg/Kg	1	02/26/2010 18:10	49468
4-Nitroaniline	ND		790	µg/Kg	1	02/26/2010 18:10	49468
4,6-Dinitro-2-methylphenol	ND		790	µg/Kg	1	02/26/2010 18:10	49468
N-Nitrosodiphenylamine	ND		390	µg/Kg	1	02/26/2010 18:10	49468
4-Bromophenyl-phenylether	ND		390	µg/Kg	1	02/26/2010 18:10	49468
Hexachlorobenzene	ND		390	µg/Kg	1	02/26/2010 18:10	49468
Pentachlorophenol	ND		790	µg/Kg	1	02/26/2010 18:10	49468
Phenanthrene	1600		390	µg/Kg	1	02/26/2010 18:10	49468
Anthracene	540		390	µg/Kg	1	02/26/2010 18:10	49468
Carbazole	120	J	390	µg/Kg	1	02/26/2010 18:10	49468
Di-n-butylphthalate	ND		390	µg/Kg	1	02/26/2010 18:10	49468
Fluoranthene	3700		390	µg/Kg	1	02/26/2010 18:10	49468
Pyrene	2700		390	µg/Kg	1	02/26/2010 18:10	49468
Butylbenzylphthalate	ND		390	µg/Kg	1	02/26/2010 18:10	49468
3,3'-Dichlorobenzidine	ND		390	µg/Kg	1	02/26/2010 18:10	49468
Benzo(a)anthracene	1800		390	µg/Kg	1	02/26/2010 18:10	49468
Chrysene	1700		390	µg/Kg	1	02/26/2010 18:10	49468
Bis(2-ethylhexyl)phthalate	ND		390	µg/Kg	1	02/26/2010 18:10	49468
Di-n-octylphthalate	ND		390	µg/Kg	1	02/26/2010 18:10	49468
Benzo(b)fluoranthene	1700		390	µg/Kg	1	02/26/2010 18:10	49468
Benzo(k)fluoranthene	930		390	µg/Kg	1	02/26/2010 18:10	49468
Benzo(a)pyrene	1400		390	µg/Kg	1	02/26/2010 18:10	49468
Indeno(1,2,3-cd)pyrene	780		390	µg/Kg	1	02/26/2010 18:10	49468
Dibenzo(a,h)anthracene	260	J	390	µg/Kg	1	02/26/2010 18:10	49468
Benzo(g,h,i)perylene	840		390	µg/Kg	1	02/26/2010 18:10	49468
Surrogate: Nitrobenzene-d5	66.9		35-100	%REC	1	02/26/2010 18:10	49468
Surrogate: 2-Fluorobiphenyl	71.9		45-105	%REC	1	02/26/2010 18:10	49468
Surrogate: Terphenyl-d14	77.5		30-125	%REC	1	02/26/2010 18:10	49468
Surrogate: Phenol-d5	70.2		40-100	%REC	1	02/26/2010 18:10	49468
Surrogate: 2-Fluorophenol	65.7		35-105	%REC	1	02/26/2010 18:10	49468
Surrogate: 2,4,6-Tribromophenol	63.4		35-125	%REC	1	02/26/2010 18:10	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-4 (11')

Lab ID: J0281-03

Project: 151 Mt. Hope Ave.

Collection Date: 02/19/10 9:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Phenol	ND		540	µg/Kg	1	02/26/2010 18:31	49468
Bis(2-chloroethyl)ether	ND		540	µg/Kg	1	02/26/2010 18:31	49468
2-Chlorophenol	ND		540	µg/Kg	1	02/26/2010 18:31	49468
1,3-Dichlorobenzene	ND		540	µg/Kg	1	02/26/2010 18:31	49468
1,4-Dichlorobenzene	ND		540	µg/Kg	1	02/26/2010 18:31	49468
1,2-Dichlorobenzene	ND		540	µg/Kg	1	02/26/2010 18:31	49468
2-Methylphenol	ND		540	µg/Kg	1	02/26/2010 18:31	49468
2,2'-oxybis(1-Chloropropane)	ND		540	µg/Kg	1	02/26/2010 18:31	49468
4-Methylphenol	120	J	540	µg/Kg	1	02/26/2010 18:31	49468
N-Nitroso-di-n-propylamine	ND		540	µg/Kg	1	02/26/2010 18:31	49468
Hexachloroethane	ND		540	µg/Kg	1	02/26/2010 18:31	49468
Nitrobenzene	ND		540	µg/Kg	1	02/26/2010 18:31	49468
Isophorone	ND		540	µg/Kg	1	02/26/2010 18:31	49468
2-Nitrophenol	ND		540	µg/Kg	1	02/26/2010 18:31	49468
2,4-Dimethylphenol	ND		540	µg/Kg	1	02/26/2010 18:31	49468
2,4-Dichlorophenol	ND		540	µg/Kg	1	02/26/2010 18:31	49468
1,2,4-Trichlorobenzene	ND		540	µg/Kg	1	02/26/2010 18:31	49468
Naphthalene	ND		540	µg/Kg	1	02/26/2010 18:31	49468
4-Chloroaniline	ND		540	µg/Kg	1	02/26/2010 18:31	49468
Bis(2-chloroethoxy)methane	ND		540	µg/Kg	1	02/26/2010 18:31	49468
Hexachlorobutadiene	ND		540	µg/Kg	1	02/26/2010 18:31	49468
4-Chloro-3-methylphenol	ND		540	µg/Kg	1	02/26/2010 18:31	49468
2-Methylnaphthalene	ND		540	µg/Kg	1	02/26/2010 18:31	49468
Hexachlorocyclopentadiene	ND		540	µg/Kg	1	02/26/2010 18:31	49468
2,4,6-Trichlorophenol	ND		540	µg/Kg	1	02/26/2010 18:31	49468
2,4,5-Trichlorophenol	ND		1100	µg/Kg	1	02/26/2010 18:31	49468
2-Chloronaphthalene	ND		540	µg/Kg	1	02/26/2010 18:31	49468
2-Nitroaniline	ND		1100	µg/Kg	1	02/26/2010 18:31	49468
Dimethylphthalate	ND		540	µg/Kg	1	02/26/2010 18:31	49468
Acenaphthylene	ND		540	µg/Kg	1	02/26/2010 18:31	49468
2,6-Dinitrotoluene	ND		540	µg/Kg	1	02/26/2010 18:31	49468
3-Nitroaniline	ND		1100	µg/Kg	1	02/26/2010 18:31	49468
Acenaphthene	330	J	540	µg/Kg	1	02/26/2010 18:31	49468
2,4-Dinitrophenol	ND		1100	µg/Kg	1	02/26/2010 18:31	49468
4-Nitrophenol	ND		1100	µg/Kg	1	02/26/2010 18:31	49468
Dibenzofuran	ND		540	µg/Kg	1	02/26/2010 18:31	49468
2,4-Dinitrotoluene	ND		540	µg/Kg	1	02/26/2010 18:31	49468
Diethylphthalate	ND		540	µg/Kg	1	02/26/2010 18:31	49468
4-Chlorophenyl-phenylether	ND		540	µg/Kg	1	02/26/2010 18:31	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-4 (11')

Lab ID: J0281-03

Project: 151 Mt. Hope Ave.

Collection Date: 02/19/10 9:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Fluorene	89	J	540	µg/Kg	1	02/26/2010 18:31	49468
4-Nitroaniline	ND		1100	µg/Kg	1	02/26/2010 18:31	49468
4,6-Dinitro-2-methylphenol	ND		1100	µg/Kg	1	02/26/2010 18:31	49468
N-Nitrosodiphenylamine	ND		540	µg/Kg	1	02/26/2010 18:31	49468
4-Bromophenyl-phenylether	ND		540	µg/Kg	1	02/26/2010 18:31	49468
Hexachlorobenzene	ND		540	µg/Kg	1	02/26/2010 18:31	49468
Pentachlorophenol	ND		1100	µg/Kg	1	02/26/2010 18:31	49468
Phenanthrene	410	J	540	µg/Kg	1	02/26/2010 18:31	49468
Anthracene	120	J	540	µg/Kg	1	02/26/2010 18:31	49468
Carbazole	ND		540	µg/Kg	1	02/26/2010 18:31	49468
Di-n-butylphthalate	ND		540	µg/Kg	1	02/26/2010 18:31	49468
Fluoranthene	710		540	µg/Kg	1	02/26/2010 18:31	49468
Pyrene	580		540	µg/Kg	1	02/26/2010 18:31	49468
Butylbenzylphthalate	ND		540	µg/Kg	1	02/26/2010 18:31	49468
3,3'-Dichlorobenzidine	ND		540	µg/Kg	1	02/26/2010 18:31	49468
Benzo(a)anthracene	300	J	540	µg/Kg	1	02/26/2010 18:31	49468
Chrysene	350	J	540	µg/Kg	1	02/26/2010 18:31	49468
Bis(2-ethylhexyl)phthalate	ND		540	µg/Kg	1	02/26/2010 18:31	49468
Di-n-octylphthalate	ND		540	µg/Kg	1	02/26/2010 18:31	49468
Benzo(b)fluoranthene	410	J	540	µg/Kg	1	02/26/2010 18:31	49468
Benzo(k)fluoranthene	150	J	540	µg/Kg	1	02/26/2010 18:31	49468
Benzo(a)pyrene	280	J	540	µg/Kg	1	02/26/2010 18:31	49468
Indeno(1,2,3-cd)pyrene	190	J	540	µg/Kg	1	02/26/2010 18:31	49468
Dibenzo(a,h)anthracene	ND		540	µg/Kg	1	02/26/2010 18:31	49468
Benzo(g,h,i)perylene	220	J	540	µg/Kg	1	02/26/2010 18:31	49468
Surrogate: Nitrobenzene-d5	68.2		35-100	%REC	1	02/26/2010 18:31	49468
Surrogate: 2-Fluorobiphenyl	68.4		45-105	%REC	1	02/26/2010 18:31	49468
Surrogate: Terphenyl-d14	75.2		30-125	%REC	1	02/26/2010 18:31	49468
Surrogate: Phenol-d5	66.4		40-100	%REC	1	02/26/2010 18:31	49468
Surrogate: 2-Fluorophenol	62.4		35-105	%REC	1	02/26/2010 18:31	49468
Surrogate: 2,4,6-Tribromophenol	58.3		35-125	%REC	1	02/26/2010 18:31	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-6 (3.5')

Lab ID: J0281-04

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 8:35

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Phenol	ND		350	µg/Kg	1	02/26/2010 18:52	49468
Bis(2-chloroethyl)ether	ND		350	µg/Kg	1	02/26/2010 18:52	49468
2-Chlorophenol	ND		350	µg/Kg	1	02/26/2010 18:52	49468
1,3-Dichlorobenzene	ND		350	µg/Kg	1	02/26/2010 18:52	49468
1,4-Dichlorobenzene	ND		350	µg/Kg	1	02/26/2010 18:52	49468
1,2-Dichlorobenzene	ND		350	µg/Kg	1	02/26/2010 18:52	49468
2-Methylphenol	ND		350	µg/Kg	1	02/26/2010 18:52	49468
2,2'-oxybis(1-Chloropropane)	ND		350	µg/Kg	1	02/26/2010 18:52	49468
4-Methylphenol	ND		350	µg/Kg	1	02/26/2010 18:52	49468
N-Nitroso-di-n-propylamine	ND		350	µg/Kg	1	02/26/2010 18:52	49468
Hexachloroethane	ND		350	µg/Kg	1	02/26/2010 18:52	49468
Nitrobenzene	ND		350	µg/Kg	1	02/26/2010 18:52	49468
Isophorone	ND		350	µg/Kg	1	02/26/2010 18:52	49468
2-Nitrophenol	ND		350	µg/Kg	1	02/26/2010 18:52	49468
2,4-Dimethylphenol	ND		350	µg/Kg	1	02/26/2010 18:52	49468
2,4-Dichlorophenol	ND		350	µg/Kg	1	02/26/2010 18:52	49468
1,2,4-Trichlorobenzene	ND		350	µg/Kg	1	02/26/2010 18:52	49468
Naphthalene	180	J	350	µg/Kg	1	02/26/2010 18:52	49468
4-Chloroaniline	ND		350	µg/Kg	1	02/26/2010 18:52	49468
Bis(2-chloroethoxy)methane	ND		350	µg/Kg	1	02/26/2010 18:52	49468
Hexachlorobutadiene	ND		350	µg/Kg	1	02/26/2010 18:52	49468
4-Chloro-3-methylphenol	ND		350	µg/Kg	1	02/26/2010 18:52	49468
2-Methylnaphthalene	250	J	350	µg/Kg	1	02/26/2010 18:52	49468
Hexachlorocyclopentadiene	ND		350	µg/Kg	1	02/26/2010 18:52	49468
2,4,6-Trichlorophenol	ND		350	µg/Kg	1	02/26/2010 18:52	49468
2,4,5-Trichlorophenol	ND		720	µg/Kg	1	02/26/2010 18:52	49468
2-Chloronaphthalene	ND		350	µg/Kg	1	02/26/2010 18:52	49468
2-Nitroaniline	ND		720	µg/Kg	1	02/26/2010 18:52	49468
Dimethylphthalate	ND		350	µg/Kg	1	02/26/2010 18:52	49468
Acenaphthylene	95	J	350	µg/Kg	1	02/26/2010 18:52	49468
2,6-Dinitrotoluene	ND		350	µg/Kg	1	02/26/2010 18:52	49468
3-Nitroaniline	ND		720	µg/Kg	1	02/26/2010 18:52	49468
Acenaphthene	55	J	350	µg/Kg	1	02/26/2010 18:52	49468
2,4-Dinitrophenol	ND		720	µg/Kg	1	02/26/2010 18:52	49468
4-Nitrophenol	ND		720	µg/Kg	1	02/26/2010 18:52	49468
Dibenzofuran	93	J	350	µg/Kg	1	02/26/2010 18:52	49468
2,4-Dinitrotoluene	ND		350	µg/Kg	1	02/26/2010 18:52	49468
Diethylphthalate	ND		350	µg/Kg	1	02/26/2010 18:52	49468
4-Chlorophenyl-phenylether	ND		350	µg/Kg	1	02/26/2010 18:52	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-6 (3.5')

Lab ID: J0281-04

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 8:35

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Fluorene	75	J	350	µg/Kg	1	02/26/2010 18:52	49468
4-Nitroaniline	ND		720	µg/Kg	1	02/26/2010 18:52	49468
4,6-Dinitro-2-methylphenol	ND		720	µg/Kg	1	02/26/2010 18:52	49468
N-Nitrosodiphenylamine	ND		350	µg/Kg	1	02/26/2010 18:52	49468
4-Bromophenyl-phenylether	ND		350	µg/Kg	1	02/26/2010 18:52	49468
Hexachlorobenzene	ND		350	µg/Kg	1	02/26/2010 18:52	49468
Pentachlorophenol	ND		720	µg/Kg	1	02/26/2010 18:52	49468
Phenanthrene	610		350	µg/Kg	1	02/26/2010 18:52	49468
Anthracene	160	J	350	µg/Kg	1	02/26/2010 18:52	49468
Carbazole	56	J	350	µg/Kg	1	02/26/2010 18:52	49468
Di-n-butylphthalate	ND		350	µg/Kg	1	02/26/2010 18:52	49468
Fluoranthene	1100		350	µg/Kg	1	02/26/2010 18:52	49468
Pyrene	900		350	µg/Kg	1	02/26/2010 18:52	49468
Butylbenzylphthalate	ND		350	µg/Kg	1	02/26/2010 18:52	49468
3,3'-Dichlorobenzidine	ND		350	µg/Kg	1	02/26/2010 18:52	49468
Benzo(a)anthracene	540		350	µg/Kg	1	02/26/2010 18:52	49468
Chrysene	560		350	µg/Kg	1	02/26/2010 18:52	49468
Bis(2-ethylhexyl)phthalate	ND		350	µg/Kg	1	02/26/2010 18:52	49468
Di-n-octylphthalate	ND		350	µg/Kg	1	02/26/2010 18:52	49468
Benzo(b)fluoranthene	600		350	µg/Kg	1	02/26/2010 18:52	49468
Benzo(k)fluoranthene	220	J	350	µg/Kg	1	02/26/2010 18:52	49468
Benzo(a)pyrene	410		350	µg/Kg	1	02/26/2010 18:52	49468
Indeno(1,2,3-cd)pyrene	220	J	350	µg/Kg	1	02/26/2010 18:52	49468
Dibenzo(a,h)anthracene	80	J	350	µg/Kg	1	02/26/2010 18:52	49468
Benzo(g,h,i)perylene	240	J	350	µg/Kg	1	02/26/2010 18:52	49468
Surrogate: Nitrobenzene-d5	81.6		35-100	%REC	1	02/26/2010 18:52	49468
Surrogate: 2-Fluorobiphenyl	79.7		45-105	%REC	1	02/26/2010 18:52	49468
Surrogate: Terphenyl-d14	84.8		30-125	%REC	1	02/26/2010 18:52	49468
Surrogate: Phenol-d5	79.6		40-100	%REC	1	02/26/2010 18:52	49468
Surrogate: 2-Fluorophenol	78.0		35-105	%REC	1	02/26/2010 18:52	49468
Surrogate: 2,4,6-Tribromophenol	66.1		35-125	%REC	1	02/26/2010 18:52	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-6 (9')

Lab ID: J0281-06

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 8:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Phenol	ND		520	µg/Kg	1	02/26/2010 19:13	49468
Bis(2-chloroethyl)ether	ND		520	µg/Kg	1	02/26/2010 19:13	49468
2-Chlorophenol	ND		520	µg/Kg	1	02/26/2010 19:13	49468
1,3-Dichlorobenzene	ND		520	µg/Kg	1	02/26/2010 19:13	49468
1,4-Dichlorobenzene	ND		520	µg/Kg	1	02/26/2010 19:13	49468
1,2-Dichlorobenzene	ND		520	µg/Kg	1	02/26/2010 19:13	49468
2-Methylphenol	ND		520	µg/Kg	1	02/26/2010 19:13	49468
2,2'-oxybis(1-Chloropropane)	ND		520	µg/Kg	1	02/26/2010 19:13	49468
4-Methylphenol	ND		520	µg/Kg	1	02/26/2010 19:13	49468
N-Nitroso-di-n-propylamine	ND		520	µg/Kg	1	02/26/2010 19:13	49468
Hexachloroethane	ND		520	µg/Kg	1	02/26/2010 19:13	49468
Nitrobenzene	ND		520	µg/Kg	1	02/26/2010 19:13	49468
Isophorone	ND		520	µg/Kg	1	02/26/2010 19:13	49468
2-Nitrophenol	ND		520	µg/Kg	1	02/26/2010 19:13	49468
2,4-Dimethylphenol	ND		520	µg/Kg	1	02/26/2010 19:13	49468
2,4-Dichlorophenol	ND		520	µg/Kg	1	02/26/2010 19:13	49468
1,2,4-Trichlorobenzene	ND		520	µg/Kg	1	02/26/2010 19:13	49468
Naphthalene	ND		520	µg/Kg	1	02/26/2010 19:13	49468
4-Chloroaniline	ND		520	µg/Kg	1	02/26/2010 19:13	49468
Bis(2-chloroethoxy)methane	ND		520	µg/Kg	1	02/26/2010 19:13	49468
Hexachlorobutadiene	ND		520	µg/Kg	1	02/26/2010 19:13	49468
4-Chloro-3-methylphenol	ND		520	µg/Kg	1	02/26/2010 19:13	49468
2-Methylnaphthalene	ND		520	µg/Kg	1	02/26/2010 19:13	49468
Hexachlorocyclopentadiene	ND		520	µg/Kg	1	02/26/2010 19:13	49468
2,4,6-Trichlorophenol	ND		520	µg/Kg	1	02/26/2010 19:13	49468
2,4,5-Trichlorophenol	ND		1100	µg/Kg	1	02/26/2010 19:13	49468
2-Chloronaphthalene	ND		520	µg/Kg	1	02/26/2010 19:13	49468
2-Nitroaniline	ND		1100	µg/Kg	1	02/26/2010 19:13	49468
Dimethylphthalate	ND		520	µg/Kg	1	02/26/2010 19:13	49468
Acenaphthylene	ND		520	µg/Kg	1	02/26/2010 19:13	49468
2,6-Dinitrotoluene	ND		520	µg/Kg	1	02/26/2010 19:13	49468
3-Nitroaniline	ND		1100	µg/Kg	1	02/26/2010 19:13	49468
Acenaphthene	ND		520	µg/Kg	1	02/26/2010 19:13	49468
2,4-Dinitrophenol	ND		1100	µg/Kg	1	02/26/2010 19:13	49468
4-Nitrophenol	ND		1100	µg/Kg	1	02/26/2010 19:13	49468
Dibenzofuran	ND		520	µg/Kg	1	02/26/2010 19:13	49468
2,4-Dinitrotoluene	ND		520	µg/Kg	1	02/26/2010 19:13	49468
Diethylphthalate	ND		520	µg/Kg	1	02/26/2010 19:13	49468
4-Chlorophenyl-phenylether	ND		520	µg/Kg	1	02/26/2010 19:13	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-6 (9')

Lab ID: J0281-06

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 8:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Fluorene	ND		520	µg/Kg	1	02/26/2010 19:13	49468
4-Nitroaniline	ND		1100	µg/Kg	1	02/26/2010 19:13	49468
4,6-Dinitro-2-methylphenol	ND		1100	µg/Kg	1	02/26/2010 19:13	49468
N-Nitrosodiphenylamine	ND		520	µg/Kg	1	02/26/2010 19:13	49468
4-Bromophenyl-phenylether	ND		520	µg/Kg	1	02/26/2010 19:13	49468
Hexachlorobenzene	ND		520	µg/Kg	1	02/26/2010 19:13	49468
Pentachlorophenol	ND		1100	µg/Kg	1	02/26/2010 19:13	49468
Phenanthrene	500	J	520	µg/Kg	1	02/26/2010 19:13	49468
Anthracene	310	J	520	µg/Kg	1	02/26/2010 19:13	49468
Carbazole	ND		520	µg/Kg	1	02/26/2010 19:13	49468
Di-n-butylphthalate	ND		520	µg/Kg	1	02/26/2010 19:13	49468
Fluoranthene	1800		520	µg/Kg	1	02/26/2010 19:13	49468
Pyrene	970		520	µg/Kg	1	02/26/2010 19:13	49468
Butylbenzylphthalate	ND		520	µg/Kg	1	02/26/2010 19:13	49468
3,3'-Dichlorobenzidine	ND		520	µg/Kg	1	02/26/2010 19:13	49468
Benzo(a)anthracene	560		520	µg/Kg	1	02/26/2010 19:13	49468
Chrysene	600		520	µg/Kg	1	02/26/2010 19:13	49468
Bis(2-ethylhexyl)phthalate	ND		520	µg/Kg	1	02/26/2010 19:13	49468
Di-n-octylphthalate	ND		520	µg/Kg	1	02/26/2010 19:13	49468
Benzo(b)fluoranthene	580		520	µg/Kg	1	02/26/2010 19:13	49468
Benzo(k)fluoranthene	350	J	520	µg/Kg	1	02/26/2010 19:13	49468
Benzo(a)pyrene	470	J	520	µg/Kg	1	02/26/2010 19:13	49468
Indeno(1,2,3-cd)pyrene	260	J	520	µg/Kg	1	02/26/2010 19:13	49468
Dibenzo(a,h)anthracene	75	J	520	µg/Kg	1	02/26/2010 19:13	49468
Benzo(g,h,i)perylene	270	J	520	µg/Kg	1	02/26/2010 19:13	49468
Surrogate: Nitrobenzene-d5	54.8		35-100	%REC	1	02/26/2010 19:13	49468
Surrogate: 2-Fluorobiphenyl	123	S	45-105	%REC	1	02/26/2010 19:13	49468
Surrogate: Terphenyl-d14	79.9		30-125	%REC	1	02/26/2010 19:13	49468
Surrogate: Phenol-d5	74.8		40-100	%REC	1	02/26/2010 19:13	49468
Surrogate: 2-Fluorophenol	71.1		35-105	%REC	1	02/26/2010 19:13	49468
Surrogate: 2,4,6-Tribromophenol	64.8		35-125	%REC	1	02/26/2010 19:13	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-8 (2.5')

Lab ID: J0281-08

Project: 151 Mt. Hope Ave.

Collection Date: 02/19/10 10:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Phenol	ND		360	µg/Kg		1 02/26/2010 19:34	49468
Bis(2-chloroethyl)ether	ND		360	µg/Kg		1 02/26/2010 19:34	49468
2-Chlorophenol	ND		360	µg/Kg		1 02/26/2010 19:34	49468
1,3-Dichlorobenzene	ND		360	µg/Kg		1 02/26/2010 19:34	49468
1,4-Dichlorobenzene	ND		360	µg/Kg		1 02/26/2010 19:34	49468
1,2-Dichlorobenzene	ND		360	µg/Kg		1 02/26/2010 19:34	49468
2-Methylphenol	ND		360	µg/Kg		1 02/26/2010 19:34	49468
2,2'-oxybis(1-Chloropropane)	ND		360	µg/Kg		1 02/26/2010 19:34	49468
4-Methylphenol	ND		360	µg/Kg		1 02/26/2010 19:34	49468
N-Nitroso-di-n-propylamine	ND		360	µg/Kg		1 02/26/2010 19:34	49468
Hexachloroethane	ND		360	µg/Kg		1 02/26/2010 19:34	49468
Nitrobenzene	ND		360	µg/Kg		1 02/26/2010 19:34	49468
Isophorone	ND		360	µg/Kg		1 02/26/2010 19:34	49468
2-Nitrophenol	ND		360	µg/Kg		1 02/26/2010 19:34	49468
2,4-Dimethylphenol	ND		360	µg/Kg		1 02/26/2010 19:34	49468
2,4-Dichlorophenol	ND		360	µg/Kg		1 02/26/2010 19:34	49468
1,2,4-Trichlorobenzene	ND		360	µg/Kg		1 02/26/2010 19:34	49468
Naphthalene	330	J	360	µg/Kg		1 02/26/2010 19:34	49468
4-Chloroaniline	ND		360	µg/Kg		1 02/26/2010 19:34	49468
Bis(2-chloroethoxy)methane	ND		360	µg/Kg		1 02/26/2010 19:34	49468
Hexachlorobutadiene	ND		360	µg/Kg		1 02/26/2010 19:34	49468
4-Chloro-3-methylphenol	ND		360	µg/Kg		1 02/26/2010 19:34	49468
2-Methylnaphthalene	190	J	360	µg/Kg		1 02/26/2010 19:34	49468
Hexachlorocyclopentadiene	ND		360	µg/Kg		1 02/26/2010 19:34	49468
2,4,6-Trichlorophenol	ND		360	µg/Kg		1 02/26/2010 19:34	49468
2,4,5-Trichlorophenol	ND		730	µg/Kg		1 02/26/2010 19:34	49468
2-Chloronaphthalene	ND		360	µg/Kg		1 02/26/2010 19:34	49468
2-Nitroaniline	ND		730	µg/Kg		1 02/26/2010 19:34	49468
Dimethylphthalate	ND		360	µg/Kg		1 02/26/2010 19:34	49468
Acenaphthylene	2100		360	µg/Kg		1 02/26/2010 19:34	49468
2,6-Dinitrotoluene	ND		360	µg/Kg		1 02/26/2010 19:34	49468
3-Nitroaniline	ND		730	µg/Kg		1 02/26/2010 19:34	49468
Acenaphthene	180	J	360	µg/Kg		1 02/26/2010 19:34	49468
2,4-Dinitrophenol	ND		730	µg/Kg		1 02/26/2010 19:34	49468
4-Nitrophenol	ND		730	µg/Kg		1 02/26/2010 19:34	49468
Dibenzofuran	130	J	360	µg/Kg		1 02/26/2010 19:34	49468
2,4-Dinitrotoluene	ND		360	µg/Kg		1 02/26/2010 19:34	49468
Diethylphthalate	ND		360	µg/Kg		1 02/26/2010 19:34	49468
4-Chlorophenyl-phenylether	ND		360	µg/Kg		1 02/26/2010 19:34	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-8 (2.5')

Lab ID: J0281-08

Project: 151 Mt. Hope Ave.

Collection Date: 02/19/10 10:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Fluorene	180	J	360	µg/Kg		1 02/26/2010 19:34	49468
4-Nitroaniline	ND		730	µg/Kg		1 02/26/2010 19:34	49468
4,6-Dinitro-2-methylphenol	ND		730	µg/Kg		1 02/26/2010 19:34	49468
N-Nitrosodiphenylamine	ND		360	µg/Kg		1 02/26/2010 19:34	49468
4-Bromophenyl-phenylether	ND		360	µg/Kg		1 02/26/2010 19:34	49468
Hexachlorobenzene	ND		360	µg/Kg		1 02/26/2010 19:34	49468
Pentachlorophenol	ND		730	µg/Kg		1 02/26/2010 19:34	49468
Phenanthrene	1100		360	µg/Kg		1 02/26/2010 19:34	49468
Anthracene	1400		360	µg/Kg		1 02/26/2010 19:34	49468
Carbazole	270	J	360	µg/Kg		1 02/26/2010 19:34	49468
Di-n-butylphthalate	ND		360	µg/Kg		1 02/26/2010 19:34	49468
Fluoranthene	5300		360	µg/Kg		1 02/26/2010 19:34	49468
Pyrene	4600		360	µg/Kg		1 02/26/2010 19:34	49468
Butylbenzylphthalate	ND		360	µg/Kg		1 02/26/2010 19:34	49468
3,3'-Dichlorobenzidine	ND		360	µg/Kg		1 02/26/2010 19:34	49468
Benzo(a)anthracene	4200		360	µg/Kg		1 02/26/2010 19:34	49468
Chrysene	4300		360	µg/Kg		1 02/26/2010 19:34	49468
Bis(2-ethylhexyl)phthalate	ND		360	µg/Kg		1 02/26/2010 19:34	49468
Di-n-octylphthalate	ND		360	µg/Kg		1 02/26/2010 19:34	49468
Benzo(b)fluoranthene	5600		360	µg/Kg		1 02/26/2010 19:34	49468
Benzo(k)fluoranthene	2300		360	µg/Kg		1 02/26/2010 19:34	49468
Benzo(a)pyrene	4300		360	µg/Kg		1 02/26/2010 19:34	49468
Indeno(1,2,3-cd)pyrene	2700		360	µg/Kg		1 02/26/2010 19:34	49468
Dibenzo(a,h)anthracene	1100		360	µg/Kg		1 02/26/2010 19:34	49468
Benzo(g,h,i)perylene	2900		360	µg/Kg		1 02/26/2010 19:34	49468
Surrogate: Nitrobenzene-d5	73.7		35-100	%REC		1 02/26/2010 19:34	49468
Surrogate: 2-Fluorobiphenyl	76.8		45-105	%REC		1 02/26/2010 19:34	49468
Surrogate: Terphenyl-d14	84.0		30-125	%REC		1 02/26/2010 19:34	49468
Surrogate: Phenol-d5	73.6		40-100	%REC		1 02/26/2010 19:34	49468
Surrogate: 2-Fluorophenol	72.8		35-105	%REC		1 02/26/2010 19:34	49468
Surrogate: 2,4,6-Tribromophenol	63.1		35-125	%REC		1 02/26/2010 19:34	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-11 (7')

Lab ID: J0281-09

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 10:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Phenol	1800		420	µg/Kg	1	02/26/2010 19:55	49468
Bis(2-chloroethyl)ether	ND		420	µg/Kg	1	02/26/2010 19:55	49468
2-Chlorophenol	ND		420	µg/Kg	1	02/26/2010 19:55	49468
1,3-Dichlorobenzene	ND		420	µg/Kg	1	02/26/2010 19:55	49468
1,4-Dichlorobenzene	ND		420	µg/Kg	1	02/26/2010 19:55	49468
1,2-Dichlorobenzene	ND		420	µg/Kg	1	02/26/2010 19:55	49468
2-Methylphenol	1600		420	µg/Kg	1	02/26/2010 19:55	49468
2,2'-oxybis(1-Chloropropane)	ND		420	µg/Kg	1	02/26/2010 19:55	49468
4-Methylphenol	3700		420	µg/Kg	1	02/26/2010 19:55	49468
N-Nitroso-di-n-propylamine	ND		420	µg/Kg	1	02/26/2010 19:55	49468
Hexachloroethane	ND		420	µg/Kg	1	02/26/2010 19:55	49468
Nitrobenzene	ND		420	µg/Kg	1	02/26/2010 19:55	49468
Isophorone	ND		420	µg/Kg	1	02/26/2010 19:55	49468
2-Nitrophenol	ND		420	µg/Kg	1	02/26/2010 19:55	49468
2,4-Dimethylphenol	ND		420	µg/Kg	1	02/26/2010 19:55	49468
2,4-Dichlorophenol	ND		420	µg/Kg	1	02/26/2010 19:55	49468
1,2,4-Trichlorobenzene	ND		420	µg/Kg	1	02/26/2010 19:55	49468
Naphthalene	23000	E	420	µg/Kg	1	02/26/2010 19:55	49468
4-Chloroaniline	ND		420	µg/Kg	1	02/26/2010 19:55	49468
Bis(2-chloroethoxy)methane	ND		420	µg/Kg	1	02/26/2010 19:55	49468
Hexachlorobutadiene	ND		420	µg/Kg	1	02/26/2010 19:55	49468
4-Chloro-3-methylphenol	ND		420	µg/Kg	1	02/26/2010 19:55	49468
2-Methylnaphthalene	6200		420	µg/Kg	1	02/26/2010 19:55	49468
Hexachlorocyclopentadiene	ND		420	µg/Kg	1	02/26/2010 19:55	49468
2,4,6-Trichlorophenol	ND		420	µg/Kg	1	02/26/2010 19:55	49468
2,4,5-Trichlorophenol	ND		860	µg/Kg	1	02/26/2010 19:55	49468
2-Chloronaphthalene	ND		420	µg/Kg	1	02/26/2010 19:55	49468
2-Nitroaniline	ND		860	µg/Kg	1	02/26/2010 19:55	49468
Dimethylphthalate	ND		420	µg/Kg	1	02/26/2010 19:55	49468
Acenaphthylene	3200		420	µg/Kg	1	02/26/2010 19:55	49468
2,6-Dinitrotoluene	ND		420	µg/Kg	1	02/26/2010 19:55	49468
3-Nitroaniline	ND		860	µg/Kg	1	02/26/2010 19:55	49468
Acenaphthene	13000	E	420	µg/Kg	1	02/26/2010 19:55	49468
2,4-Dinitrophenol	ND		860	µg/Kg	1	02/26/2010 19:55	49468
4-Nitrophenol	ND		860	µg/Kg	1	02/26/2010 19:55	49468
Dibenzofuran	13000	E	420	µg/Kg	1	02/26/2010 19:55	49468
2,4-Dinitrotoluene	ND		420	µg/Kg	1	02/26/2010 19:55	49468
Diethylphthalate	ND		420	µg/Kg	1	02/26/2010 19:55	49468
4-Chlorophenyl-phenylether	ND		420	µg/Kg	1	02/26/2010 19:55	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-11 (7')

Lab ID: J0281-09

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 10:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Fluorene	20000	E	420	µg/Kg	1	02/26/2010 19:55	49468
4-Nitroaniline	ND		860	µg/Kg	1	02/26/2010 19:55	49468
4,6-Dinitro-2-methylphenol	ND		860	µg/Kg	1	02/26/2010 19:55	49468
N-Nitrosodiphenylamine	ND		420	µg/Kg	1	02/26/2010 19:55	49468
4-Bromophenyl-phenylether	ND		420	µg/Kg	1	02/26/2010 19:55	49468
Hexachlorobenzene	ND		420	µg/Kg	1	02/26/2010 19:55	49468
Pentachlorophenol	ND		860	µg/Kg	1	02/26/2010 19:55	49468
Phenanthrene	150000	E	420	µg/Kg	1	02/26/2010 19:55	49468
Anthracene	35000	E	420	µg/Kg	1	02/26/2010 19:55	49468
Carbazole	26000	E	420	µg/Kg	1	02/26/2010 19:55	49468
Di-n-butylphthalate	ND		420	µg/Kg	1	02/26/2010 19:55	49468
Fluoranthene	140000	E	420	µg/Kg	1	02/26/2010 19:55	49468
Pyrene	45000	E	420	µg/Kg	1	02/26/2010 19:55	49468
Butylbenzylphthalate	ND		420	µg/Kg	1	02/26/2010 19:55	49468
3,3'-Dichlorobenzidine	ND		420	µg/Kg	1	02/26/2010 19:55	49468
Benzo(a)anthracene	44000	E	420	µg/Kg	1	02/26/2010 19:55	49468
Chrysene	28000	E	420	µg/Kg	1	02/26/2010 19:55	49468
Bis(2-ethylhexyl)phthalate	ND		420	µg/Kg	1	02/26/2010 19:55	49468
Di-n-octylphthalate	ND		420	µg/Kg	1	02/26/2010 19:55	49468
Benzo(b)fluoranthene	20000	E	420	µg/Kg	1	02/26/2010 19:55	49468
Benzo(k)fluoranthene	8200	E	420	µg/Kg	1	02/26/2010 19:55	49468
Benzo(a)pyrene	14000	E	420	µg/Kg	1	02/26/2010 19:55	49468
Indeno(1,2,3-cd)pyrene	11000	E	420	µg/Kg	1	02/26/2010 19:55	49468
Dibenzo(a,h)anthracene	8000	E	420	µg/Kg	1	02/26/2010 19:55	49468
Benzo(g,h,i)perylene	8300	E	420	µg/Kg	1	02/26/2010 19:55	49468
Surrogate: Nitrobenzene-d5	43.0		35-100	%REC	1	02/26/2010 19:55	49468
Surrogate: 2-Fluorobiphenyl	75.8		45-105	%REC	1	02/26/2010 19:55	49468
Surrogate: Terphenyl-d14	99.0		30-125	%REC	1	02/26/2010 19:55	49468
Surrogate: Phenol-d5	94.7		40-100	%REC	1	02/26/2010 19:55	49468
Surrogate: 2-Fluorophenol	89.1		35-105	%REC	1	02/26/2010 19:55	49468
Surrogate: 2,4,6-Tribromophenol	154	S	35-125	%REC	1	02/26/2010 19:55	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-11 (7')

Lab ID: J0281-09

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 10:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Phenol	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
Bis(2-chloroethyl)ether	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
2-Chlorophenol	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
1,3-Dichlorobenzene	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
1,4-Dichlorobenzene	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
1,2-Dichlorobenzene	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
2-Methylphenol	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
2,2'-oxybis(1-Chloropropane)	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
4-Methylphenol	3000	J	8500	µg/Kg		20 02/28/2010 16:35	49468
N-Nitroso-di-n-propylamine	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
Hexachloroethane	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
Nitrobenzene	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
Isophorone	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
2-Nitrophenol	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
2,4-Dimethylphenol	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
2,4-Dichlorophenol	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
1,2,4-Trichlorobenzene	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
Naphthalene	24000		8500	µg/Kg		20 02/28/2010 16:35	49468
4-Chloroaniline	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
Bis(2-chloroethoxy)methane	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
Hexachlorobutadiene	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
4-Chloro-3-methylphenol	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
2-Methylnaphthalene	11000		8500	µg/Kg		20 02/28/2010 16:35	49468
Hexachlorocyclopentadiene	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
2,4,6-Trichlorophenol	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
2,4,5-Trichlorophenol	ND		17000	µg/Kg		20 02/28/2010 16:35	49468
2-Chloronaphthalene	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
2-Nitroaniline	ND		17000	µg/Kg		20 02/28/2010 16:35	49468
Dimethylphthalate	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
Acenaphthylene	10000		8500	µg/Kg		20 02/28/2010 16:35	49468
2,6-Dinitrotoluene	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
3-Nitroaniline	ND		17000	µg/Kg		20 02/28/2010 16:35	49468
Acenaphthene	19000		8500	µg/Kg		20 02/28/2010 16:35	49468
2,4-Dinitrophenol	ND		17000	µg/Kg		20 02/28/2010 16:35	49468
4-Nitrophenol	ND		17000	µg/Kg		20 02/28/2010 16:35	49468
Dibenzofuran	20000		8500	µg/Kg		20 02/28/2010 16:35	49468
2,4-Dinitrotoluene	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
Diethylphthalate	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
4-Chlorophenyl-phenylether	ND		8500	µg/Kg		20 02/28/2010 16:35	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-11 (7')

Lab ID: J0281-09

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 10:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Fluorene	28000		8500	µg/Kg		20 02/28/2010 16:35	49468
4-Nitroaniline	ND		17000	µg/Kg		20 02/28/2010 16:35	49468
4,6-Dinitro-2-methylphenol	ND		17000	µg/Kg		20 02/28/2010 16:35	49468
N-Nitrosodiphenylamine	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
4-Bromophenyl-phenylether	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
Hexachlorobenzene	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
Pentachlorophenol	ND		17000	µg/Kg		20 02/28/2010 16:35	49468
Phenanthrene	110000		8500	µg/Kg		20 02/28/2010 16:35	49468
Anthracene	38000		8500	µg/Kg		20 02/28/2010 16:35	49468
Carbazole	13000		8500	µg/Kg		20 02/28/2010 16:35	49468
Di-n-butylphthalate	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
Fluoranthene	97000		8500	µg/Kg		20 02/28/2010 16:35	49468
Pyrene	83000		8500	µg/Kg		20 02/28/2010 16:35	49468
Butylbenzylphthalate	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
3,3'-Dichlorobenzidine	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
Benzo(a)anthracene	49000		8500	µg/Kg		20 02/28/2010 16:35	49468
Chrysene	44000		8500	µg/Kg		20 02/28/2010 16:35	49468
Bis(2-ethylhexyl)phthalate	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
Di-n-octylphthalate	ND		8500	µg/Kg		20 02/28/2010 16:35	49468
Benzo(b)fluoranthene	44000		8500	µg/Kg		20 02/28/2010 16:35	49468
Benzo(k)fluoranthene	17000		8500	µg/Kg		20 02/28/2010 16:35	49468
Benzo(a)pyrene	37000		8500	µg/Kg		20 02/28/2010 16:35	49468
Indeno(1,2,3-cd)pyrene	15000		8500	µg/Kg		20 02/28/2010 16:35	49468
Dibenzo(a,h)anthracene	6000	J	8500	µg/Kg		20 02/28/2010 16:35	49468
Benzo(g,h,i)perylene	15000		8500	µg/Kg		20 02/28/2010 16:35	49468
Surrogate: Nitrobenzene-d5	0	S	35-100	%REC		20 02/28/2010 16:35	49468
Surrogate: 2-Fluorobiphenyl	0	S	45-105	%REC		20 02/28/2010 16:35	49468
Surrogate: Terphenyl-d14	93.7		30-125	%REC		20 02/28/2010 16:35	49468
Surrogate: Phenol-d5	70.3		40-100	%REC		20 02/28/2010 16:35	49468
Surrogate: 2-Fluorophenol	63.3		35-105	%REC		20 02/28/2010 16:35	49468
Surrogate: 2,4,6-Tribromophenol	0	S	35-125	%REC		20 02/28/2010 16:35	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-13 (11')

Lab ID: J0281-10

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 11:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Phenol	ND		440	µg/Kg		1 02/26/2010 20:15	49468
Bis(2-chloroethyl)ether	ND		440	µg/Kg		1 02/26/2010 20:15	49468
2-Chlorophenol	ND		440	µg/Kg		1 02/26/2010 20:15	49468
1,3-Dichlorobenzene	ND		440	µg/Kg		1 02/26/2010 20:15	49468
1,4-Dichlorobenzene	ND		440	µg/Kg		1 02/26/2010 20:15	49468
1,2-Dichlorobenzene	ND		440	µg/Kg		1 02/26/2010 20:15	49468
2-Methylphenol	ND		440	µg/Kg		1 02/26/2010 20:15	49468
2,2'-oxybis(1-Chloropropane)	ND		440	µg/Kg		1 02/26/2010 20:15	49468
4-Methylphenol	67	J	440	µg/Kg		1 02/26/2010 20:15	49468
N-Nitroso-di-n-propylamine	ND		440	µg/Kg		1 02/26/2010 20:15	49468
Hexachloroethane	ND		440	µg/Kg		1 02/26/2010 20:15	49468
Nitrobenzene	ND		440	µg/Kg		1 02/26/2010 20:15	49468
Isophorone	ND		440	µg/Kg		1 02/26/2010 20:15	49468
2-Nitrophenol	ND		440	µg/Kg		1 02/26/2010 20:15	49468
2,4-Dimethylphenol	ND		440	µg/Kg		1 02/26/2010 20:15	49468
2,4-Dichlorophenol	ND		440	µg/Kg		1 02/26/2010 20:15	49468
1,2,4-Trichlorobenzene	ND		440	µg/Kg		1 02/26/2010 20:15	49468
Naphthalene	ND		440	µg/Kg		1 02/26/2010 20:15	49468
4-Chloroaniline	ND		440	µg/Kg		1 02/26/2010 20:15	49468
Bis(2-chloroethoxy)methane	ND		440	µg/Kg		1 02/26/2010 20:15	49468
Hexachlorobutadiene	ND		440	µg/Kg		1 02/26/2010 20:15	49468
4-Chloro-3-methylphenol	ND		440	µg/Kg		1 02/26/2010 20:15	49468
2-Methylnaphthalene	ND		440	µg/Kg		1 02/26/2010 20:15	49468
Hexachlorocyclopentadiene	ND		440	µg/Kg		1 02/26/2010 20:15	49468
2,4,6-Trichlorophenol	ND		440	µg/Kg		1 02/26/2010 20:15	49468
2,4,5-Trichlorophenol	ND		900	µg/Kg		1 02/26/2010 20:15	49468
2-Chloronaphthalene	ND		440	µg/Kg		1 02/26/2010 20:15	49468
2-Nitroaniline	ND		900	µg/Kg		1 02/26/2010 20:15	49468
Dimethylphthalate	ND		440	µg/Kg		1 02/26/2010 20:15	49468
Acenaphthylene	82	J	440	µg/Kg		1 02/26/2010 20:15	49468
2,6-Dinitrotoluene	ND		440	µg/Kg		1 02/26/2010 20:15	49468
3-Nitroaniline	ND		900	µg/Kg		1 02/26/2010 20:15	49468
Acenaphthene	ND		440	µg/Kg		1 02/26/2010 20:15	49468
2,4-Dinitrophenol	ND		900	µg/Kg		1 02/26/2010 20:15	49468
4-Nitrophenol	ND		900	µg/Kg		1 02/26/2010 20:15	49468
Dibenzofuran	48	J	440	µg/Kg		1 02/26/2010 20:15	49468
2,4-Dinitrotoluene	ND		440	µg/Kg		1 02/26/2010 20:15	49468
Diethylphthalate	ND		440	µg/Kg		1 02/26/2010 20:15	49468
4-Chlorophenyl-phenylether	ND		440	µg/Kg		1 02/26/2010 20:15	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-13 (11')

Lab ID: J0281-10

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 11:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Fluorene	69	J	440	µg/Kg	1	02/26/2010 20:15	49468
4-Nitroaniline	ND		900	µg/Kg	1	02/26/2010 20:15	49468
4,6-Dinitro-2-methylphenol	ND		900	µg/Kg	1	02/26/2010 20:15	49468
N-Nitrosodiphenylamine	ND		440	µg/Kg	1	02/26/2010 20:15	49468
4-Bromophenyl-phenylether	ND		440	µg/Kg	1	02/26/2010 20:15	49468
Hexachlorobenzene	ND		440	µg/Kg	1	02/26/2010 20:15	49468
Pentachlorophenol	ND		900	µg/Kg	1	02/26/2010 20:15	49468
Phenanthrene	440		440	µg/Kg	1	02/26/2010 20:15	49468
Anthracene	150	J	440	µg/Kg	1	02/26/2010 20:15	49468
Carbazole	49	J	440	µg/Kg	1	02/26/2010 20:15	49468
Di-n-butylphthalate	ND		440	µg/Kg	1	02/26/2010 20:15	49468
Fluoranthene	760		440	µg/Kg	1	02/26/2010 20:15	49468
Pyrene	540		440	µg/Kg	1	02/26/2010 20:15	49468
Butylbenzylphthalate	ND		440	µg/Kg	1	02/26/2010 20:15	49468
3,3'-Dichlorobenzidine	ND		440	µg/Kg	1	02/26/2010 20:15	49468
Benzo(a)anthracene	380	J	440	µg/Kg	1	02/26/2010 20:15	49468
Chrysene	350	J	440	µg/Kg	1	02/26/2010 20:15	49468
Bis(2-ethylhexyl)phthalate	ND		440	µg/Kg	1	02/26/2010 20:15	49468
Di-n-octylphthalate	ND		440	µg/Kg	1	02/26/2010 20:15	49468
Benzo(b)fluoranthene	440	J	440	µg/Kg	1	02/26/2010 20:15	49468
Benzo(k)fluoranthene	180	J	440	µg/Kg	1	02/26/2010 20:15	49468
Benzo(a)pyrene	360	J	440	µg/Kg	1	02/26/2010 20:15	49468
Indeno(1,2,3-cd)pyrene	190	J	440	µg/Kg	1	02/26/2010 20:15	49468
Dibenzo(a,h)anthracene	62	J	440	µg/Kg	1	02/26/2010 20:15	49468
Benzo(g,h,i)perylene	200	J	440	µg/Kg	1	02/26/2010 20:15	49468
Surrogate: Nitrobenzene-d5	69.4		35-100	%REC	1	02/26/2010 20:15	49468
Surrogate: 2-Fluorobiphenyl	71.1		45-105	%REC	1	02/26/2010 20:15	49468
Surrogate: Terphenyl-d14	83.0		30-125	%REC	1	02/26/2010 20:15	49468
Surrogate: Phenol-d5	64.4		40-100	%REC	1	02/26/2010 20:15	49468
Surrogate: 2-Fluorophenol	60.3		35-105	%REC	1	02/26/2010 20:15	49468
Surrogate: 2,4,6-Tribromophenol	70.1		35-125	%REC	1	02/26/2010 20:15	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-15 (7')

Lab ID: J0281-11

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 14:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Phenol	91	J	390	µg/Kg	1	02/26/2010 20:37	49468
Bis(2-chloroethyl)ether	ND		390	µg/Kg	1	02/26/2010 20:37	49468
2-Chlorophenol	ND		390	µg/Kg	1	02/26/2010 20:37	49468
1,3-Dichlorobenzene	ND		390	µg/Kg	1	02/26/2010 20:37	49468
1,4-Dichlorobenzene	ND		390	µg/Kg	1	02/26/2010 20:37	49468
1,2-Dichlorobenzene	ND		390	µg/Kg	1	02/26/2010 20:37	49468
2-Methylphenol	73	J	390	µg/Kg	1	02/26/2010 20:37	49468
2,2'-oxybis(1-Chloropropane)	ND		390	µg/Kg	1	02/26/2010 20:37	49468
4-Methylphenol	180	J	390	µg/Kg	1	02/26/2010 20:37	49468
N-Nitroso-di-n-propylamine	ND		390	µg/Kg	1	02/26/2010 20:37	49468
Hexachloroethane	ND		390	µg/Kg	1	02/26/2010 20:37	49468
Nitrobenzene	ND		390	µg/Kg	1	02/26/2010 20:37	49468
Isophorone	ND		390	µg/Kg	1	02/26/2010 20:37	49468
2-Nitrophenol	ND		390	µg/Kg	1	02/26/2010 20:37	49468
2,4-Dimethylphenol	ND		390	µg/Kg	1	02/26/2010 20:37	49468
2,4-Dichlorophenol	ND		390	µg/Kg	1	02/26/2010 20:37	49468
1,2,4-Trichlorobenzene	ND		390	µg/Kg	1	02/26/2010 20:37	49468
Naphthalene	2900		390	µg/Kg	1	02/26/2010 20:37	49468
4-Chloroaniline	ND		390	µg/Kg	1	02/26/2010 20:37	49468
Bis(2-chloroethoxy)methane	ND		390	µg/Kg	1	02/26/2010 20:37	49468
Hexachlorobutadiene	ND		390	µg/Kg	1	02/26/2010 20:37	49468
4-Chloro-3-methylphenol	ND		390	µg/Kg	1	02/26/2010 20:37	49468
2-Methylnaphthalene	2100		390	µg/Kg	1	02/26/2010 20:37	49468
Hexachlorocyclopentadiene	ND		390	µg/Kg	1	02/26/2010 20:37	49468
2,4,6-Trichlorophenol	ND		390	µg/Kg	1	02/26/2010 20:37	49468
2,4,5-Trichlorophenol	ND		800	µg/Kg	1	02/26/2010 20:37	49468
2-Chloronaphthalene	ND		390	µg/Kg	1	02/26/2010 20:37	49468
2-Nitroaniline	ND		800	µg/Kg	1	02/26/2010 20:37	49468
Dimethylphthalate	ND		390	µg/Kg	1	02/26/2010 20:37	49468
Acenaphthylene	630		390	µg/Kg	1	02/26/2010 20:37	49468
2,6-Dinitrotoluene	ND		390	µg/Kg	1	02/26/2010 20:37	49468
3-Nitroaniline	ND		800	µg/Kg	1	02/26/2010 20:37	49468
Acenaphthene	1800		390	µg/Kg	1	02/26/2010 20:37	49468
2,4-Dinitrophenol	ND		800	µg/Kg	1	02/26/2010 20:37	49468
4-Nitrophenol	ND		800	µg/Kg	1	02/26/2010 20:37	49468
Dibenzofuran	1400		390	µg/Kg	1	02/26/2010 20:37	49468
2,4-Dinitrotoluene	ND		390	µg/Kg	1	02/26/2010 20:37	49468
Diethylphthalate	ND		390	µg/Kg	1	02/26/2010 20:37	49468
4-Chlorophenyl-phenylether	ND		390	µg/Kg	1	02/26/2010 20:37	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-15 (7')

Lab ID: J0281-11

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 14:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Fluorene	1800		390	µg/Kg	1	02/26/2010 20:37	49468
4-Nitroaniline	ND		800	µg/Kg	1	02/26/2010 20:37	49468
4,6-Dinitro-2-methylphenol	ND		800	µg/Kg	1	02/26/2010 20:37	49468
N-Nitrosodiphenylamine	ND		390	µg/Kg	1	02/26/2010 20:37	49468
4-Bromophenyl-phenylether	ND		390	µg/Kg	1	02/26/2010 20:37	49468
Hexachlorobenzene	ND		390	µg/Kg	1	02/26/2010 20:37	49468
Pentachlorophenol	ND		800	µg/Kg	1	02/26/2010 20:37	49468
Phenanthrene	12000	E	390	µg/Kg	1	02/26/2010 20:37	49468
Anthracene	3400		390	µg/Kg	1	02/26/2010 20:37	49468
Carbazole	1400		390	µg/Kg	1	02/26/2010 20:37	49468
Di-n-butylphthalate	ND		390	µg/Kg	1	02/26/2010 20:37	49468
Fluoranthene	14000	E	390	µg/Kg	1	02/26/2010 20:37	49468
Pyrene	12000	E	390	µg/Kg	1	02/26/2010 20:37	49468
Butylbenzylphthalate	ND		390	µg/Kg	1	02/26/2010 20:37	49468
3,3'-Dichlorobenzidine	ND		390	µg/Kg	1	02/26/2010 20:37	49468
Benzo(a)anthracene	6200		390	µg/Kg	1	02/26/2010 20:37	49468
Chrysene	6200		390	µg/Kg	1	02/26/2010 20:37	49468
Bis(2-ethylhexyl)phthalate	ND		390	µg/Kg	1	02/26/2010 20:37	49468
Di-n-octylphthalate	ND		390	µg/Kg	1	02/26/2010 20:37	49468
Benzo(b)fluoranthene	6200		390	µg/Kg	1	02/26/2010 20:37	49468
Benzo(k)fluoranthene	2900		390	µg/Kg	1	02/26/2010 20:37	49468
Benzo(a)pyrene	5200		390	µg/Kg	1	02/26/2010 20:37	49468
Indeno(1,2,3-cd)pyrene	2800		390	µg/Kg	1	02/26/2010 20:37	49468
Dibenzo(a,h)anthracene	1300		390	µg/Kg	1	02/26/2010 20:37	49468
Benzo(g,h,i)perylene	3100		390	µg/Kg	1	02/26/2010 20:37	49468
Surrogate: Nitrobenzene-d5	68.5		35-100	%REC	1	02/26/2010 20:37	49468
Surrogate: 2-Fluorobiphenyl	63.3		45-105	%REC	1	02/26/2010 20:37	49468
Surrogate: Terphenyl-d14	90.5		30-125	%REC	1	02/26/2010 20:37	49468
Surrogate: Phenol-d5	70.5		40-100	%REC	1	02/26/2010 20:37	49468
Surrogate: 2-Fluorophenol	64.6		35-105	%REC	1	02/26/2010 20:37	49468
Surrogate: 2,4,6-Tribromophenol	84.6		35-125	%REC	1	02/26/2010 20:37	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-15 (7')

Lab ID: J0281-11

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 14:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Phenol	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
Bis(2-chloroethyl)ether	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
2-Chlorophenol	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
1,3-Dichlorobenzene	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
1,4-Dichlorobenzene	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
1,2-Dichlorobenzene	270	J	1600	µg/Kg		4 02/28/2010 16:56	49468
2-Methylphenol	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
2,2'-oxybis(1-Chloropropane)	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
4-Methylphenol	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
N-Nitroso-di-n-propylamine	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
Hexachloroethane	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
Nitrobenzene	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
Isophorone	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
2-Nitrophenol	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
2,4-Dimethylphenol	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
2,4-Dichlorophenol	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
1,2,4-Trichlorobenzene	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
Naphthalene	3200		1600	µg/Kg		4 02/28/2010 16:56	49468
4-Chloroaniline	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
Bis(2-chloroethoxy)methane	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
Hexachlorobutadiene	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
4-Chloro-3-methylphenol	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
2-Methylnaphthalene	2000		1600	µg/Kg		4 02/28/2010 16:56	49468
Hexachlorocyclopentadiene	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
2,4,6-Trichlorophenol	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
2,4,5-Trichlorophenol	ND		3200	µg/Kg		4 02/28/2010 16:56	49468
2-Chloronaphthalene	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
2-Nitroaniline	ND		3200	µg/Kg		4 02/28/2010 16:56	49468
Dimethylphthalate	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
Acenaphthylene	810	J	1600	µg/Kg		4 02/28/2010 16:56	49468
2,6-Dinitrotoluene	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
3-Nitroaniline	ND		3200	µg/Kg		4 02/28/2010 16:56	49468
Acenaphthene	2300		1600	µg/Kg		4 02/28/2010 16:56	49468
2,4-Dinitrophenol	ND		3200	µg/Kg		4 02/28/2010 16:56	49468
4-Nitrophenol	ND		3200	µg/Kg		4 02/28/2010 16:56	49468
Dibenzofuran	1900		1600	µg/Kg		4 02/28/2010 16:56	49468
2,4-Dinitrotoluene	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
Diethylphthalate	ND		1600	µg/Kg		4 02/28/2010 16:56	49468
4-Chlorophenyl-phenylether	ND		1600	µg/Kg		4 02/28/2010 16:56	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-15 (7')

Lab ID: J0281-11

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 14:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Fluorene	2300		1600	µg/Kg	4	02/28/2010 16:56	49468
4-Nitroaniline	ND		3200	µg/Kg	4	02/28/2010 16:56	49468
4,6-Dinitro-2-methylphenol	ND		3200	µg/Kg	4	02/28/2010 16:56	49468
N-Nitrosodiphenylamine	ND		1600	µg/Kg	4	02/28/2010 16:56	49468
4-Bromophenyl-phenylether	ND		1600	µg/Kg	4	02/28/2010 16:56	49468
Hexachlorobenzene	ND		1600	µg/Kg	4	02/28/2010 16:56	49468
Pentachlorophenol	ND		3200	µg/Kg	4	02/28/2010 16:56	49468
Phenanthrene	14000		1600	µg/Kg	4	02/28/2010 16:56	49468
Anthracene	3500		1600	µg/Kg	4	02/28/2010 16:56	49468
Carbazole	1400	J	1600	µg/Kg	4	02/28/2010 16:56	49468
Di-n-butylphthalate	ND		1600	µg/Kg	4	02/28/2010 16:56	49468
Fluoranthene	15000		1600	µg/Kg	4	02/28/2010 16:56	49468
Pyrene	14000		1600	µg/Kg	4	02/28/2010 16:56	49468
Butylbenzylphthalate	ND		1600	µg/Kg	4	02/28/2010 16:56	49468
3,3'-Dichlorobenzidine	ND		1600	µg/Kg	4	02/28/2010 16:56	49468
Benzo(a)anthracene	6500		1600	µg/Kg	4	02/28/2010 16:56	49468
Chrysene	7200		1600	µg/Kg	4	02/28/2010 16:56	49468
Bis(2-ethylhexyl)phthalate	ND		1600	µg/Kg	4	02/28/2010 16:56	49468
Di-n-octylphthalate	ND		1600	µg/Kg	4	02/28/2010 16:56	49468
Benzo(b)fluoranthene	6900		1600	µg/Kg	4	02/28/2010 16:56	49468
Benzo(k)fluoranthene	3400		1600	µg/Kg	4	02/28/2010 16:56	49468
Benzo(a)pyrene	5600		1600	µg/Kg	4	02/28/2010 16:56	49468
Indeno(1,2,3-cd)pyrene	3000		1600	µg/Kg	4	02/28/2010 16:56	49468
Dibenzo(a,h)anthracene	970	J	1600	µg/Kg	4	02/28/2010 16:56	49468
Benzo(g,h,i)perylene	3400		1600	µg/Kg	4	02/28/2010 16:56	49468
Surrogate: Nitrobenzene-d5	73.9		35-100	%REC	4	02/28/2010 16:56	49468
Surrogate: 2-Fluorobiphenyl	82.3		45-105	%REC	4	02/28/2010 16:56	49468
Surrogate: Terphenyl-d14	95.2		30-125	%REC	4	02/28/2010 16:56	49468
Surrogate: Phenol-d5	72.0		40-100	%REC	4	02/28/2010 16:56	49468
Surrogate: 2-Fluorophenol	66.8		35-105	%REC	4	02/28/2010 16:56	49468
Surrogate: 2,4,6-Tribromophenol	61.4		35-125	%REC	4	02/28/2010 16:56	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-20 (6.5')

Lab ID: J0281-12

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 13:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Phenol	ND		460	µg/Kg		102/26/2010 20:57	49468
Bis(2-chloroethyl)ether	ND		460	µg/Kg		102/26/2010 20:57	49468
2-Chlorophenol	ND		460	µg/Kg		102/26/2010 20:57	49468
1,3-Dichlorobenzene	ND		460	µg/Kg		102/26/2010 20:57	49468
1,4-Dichlorobenzene	ND		460	µg/Kg		102/26/2010 20:57	49468
1,2-Dichlorobenzene	ND		460	µg/Kg		102/26/2010 20:57	49468
2-Methylphenol	ND		460	µg/Kg		102/26/2010 20:57	49468
2,2'-oxybis(1-Chloropropane)	ND		460	µg/Kg		102/26/2010 20:57	49468
4-Methylphenol	ND		460	µg/Kg		102/26/2010 20:57	49468
N-Nitroso-di-n-propylamine	ND		460	µg/Kg		102/26/2010 20:57	49468
Hexachloroethane	ND		460	µg/Kg		102/26/2010 20:57	49468
Nitrobenzene	ND		460	µg/Kg		102/26/2010 20:57	49468
Isophorone	ND		460	µg/Kg		102/26/2010 20:57	49468
2-Nitrophenol	ND		460	µg/Kg		102/26/2010 20:57	49468
2,4-Dimethylphenol	ND		460	µg/Kg		102/26/2010 20:57	49468
2,4-Dichlorophenol	ND		460	µg/Kg		102/26/2010 20:57	49468
1,2,4-Trichlorobenzene	ND		460	µg/Kg		102/26/2010 20:57	49468
Naphthalene	ND		460	µg/Kg		102/26/2010 20:57	49468
4-Chloroaniline	ND		460	µg/Kg		102/26/2010 20:57	49468
Bis(2-chloroethoxy)methane	ND		460	µg/Kg		102/26/2010 20:57	49468
Hexachlorobutadiene	ND		460	µg/Kg		102/26/2010 20:57	49468
4-Chloro-3-methylphenol	ND		460	µg/Kg		102/26/2010 20:57	49468
2-Methylnaphthalene	ND		460	µg/Kg		102/26/2010 20:57	49468
Hexachlorocyclopentadiene	ND		460	µg/Kg		102/26/2010 20:57	49468
2,4,6-Trichlorophenol	ND		460	µg/Kg		102/26/2010 20:57	49468
2,4,5-Trichlorophenol	ND		930	µg/Kg		102/26/2010 20:57	49468
2-Chloronaphthalene	ND		460	µg/Kg		102/26/2010 20:57	49468
2-Nitroaniline	ND		930	µg/Kg		102/26/2010 20:57	49468
Dimethylphthalate	ND		460	µg/Kg		102/26/2010 20:57	49468
Acenaphthylene	ND		460	µg/Kg		102/26/2010 20:57	49468
2,6-Dinitrotoluene	ND		460	µg/Kg		102/26/2010 20:57	49468
3-Nitroaniline	ND		930	µg/Kg		102/26/2010 20:57	49468
Acenaphthene	ND		460	µg/Kg		102/26/2010 20:57	49468
2,4-Dinitrophenol	ND		930	µg/Kg		102/26/2010 20:57	49468
4-Nitrophenol	ND		930	µg/Kg		102/26/2010 20:57	49468
Dibenzofuran	ND		460	µg/Kg		102/26/2010 20:57	49468
2,4-Dinitrotoluene	ND		460	µg/Kg		102/26/2010 20:57	49468
Diethylphthalate	ND		460	µg/Kg		102/26/2010 20:57	49468
4-Chlorophenyl-phenylether	ND		460	µg/Kg		102/26/2010 20:57	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-20 (6.5')

Lab ID: J0281-12

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 13:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Fluorene	66	J	460	µg/Kg		102/26/2010 20:57	49468
4-Nitroaniline	ND		930	µg/Kg		102/26/2010 20:57	49468
4,6-Dinitro-2-methylphenol	ND		930	µg/Kg		102/26/2010 20:57	49468
N-Nitrosodiphenylamine	ND		460	µg/Kg		102/26/2010 20:57	49468
4-Bromophenyl-phenylether	ND		460	µg/Kg		102/26/2010 20:57	49468
Hexachlorobenzene	ND		460	µg/Kg		102/26/2010 20:57	49468
Pentachlorophenol	ND		930	µg/Kg		102/26/2010 20:57	49468
Phenanthrene	620		460	µg/Kg		102/26/2010 20:57	49468
Anthracene	150	J	460	µg/Kg		102/26/2010 20:57	49468
Carbazole	ND		460	µg/Kg		102/26/2010 20:57	49468
Di-n-butylphthalate	ND		460	µg/Kg		102/26/2010 20:57	49468
Fluoranthene	910		460	µg/Kg		102/26/2010 20:57	49468
Pyrene	700		460	µg/Kg		102/26/2010 20:57	49468
Butylbenzylphthalate	ND		460	µg/Kg		102/26/2010 20:57	49468
3,3'-Dichlorobenzidine	ND		460	µg/Kg		102/26/2010 20:57	49468
Benzo(a)anthracene	420	J	460	µg/Kg		102/26/2010 20:57	49468
Chrysene	410	J	460	µg/Kg		102/26/2010 20:57	49468
Bis(2-ethylhexyl)phthalate	ND		460	µg/Kg		102/26/2010 20:57	49468
Di-n-octylphthalate	ND		460	µg/Kg		102/26/2010 20:57	49468
Benzo(b)fluoranthene	430	J	460	µg/Kg		102/26/2010 20:57	49468
Benzo(k)fluoranthene	180	J	460	µg/Kg		102/26/2010 20:57	49468
Benzo(a)pyrene	340	J	460	µg/Kg		102/26/2010 20:57	49468
Indeno(1,2,3-cd)pyrene	170	J	460	µg/Kg		102/26/2010 20:57	49468
Dibenzo(a,h)anthracene	56	J	460	µg/Kg		102/26/2010 20:57	49468
Benzo(g,h,i)perylene	200	J	460	µg/Kg		102/26/2010 20:57	49468
Surrogate: Nitrobenzene-d5	68.4		35-100	%REC		102/26/2010 20:57	49468
Surrogate: 2-Fluorobiphenyl	71.7		45-105	%REC		102/26/2010 20:57	49468
Surrogate: Terphenyl-d14	79.2		30-125	%REC		102/26/2010 20:57	49468
Surrogate: Phenol-d5	66.7		40-100	%REC		102/26/2010 20:57	49468
Surrogate: 2-Fluorophenol	67.3		35-105	%REC		102/26/2010 20:57	49468
Surrogate: 2,4,6-Tribromophenol	62.3		35-125	%REC		102/26/2010 20:57	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-23 (8')

Lab ID: J0281-14

Project: 151 Mt. Hope Ave.

Collection Date: 02/19/10 13:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Phenol	ND		400	µg/Kg	1	02/26/2010 21:18	49468
Bis(2-chloroethyl)ether	ND		400	µg/Kg	1	02/26/2010 21:18	49468
2-Chlorophenol	ND		400	µg/Kg	1	02/26/2010 21:18	49468
1,3-Dichlorobenzene	ND		400	µg/Kg	1	02/26/2010 21:18	49468
1,4-Dichlorobenzene	ND		400	µg/Kg	1	02/26/2010 21:18	49468
1,2-Dichlorobenzene	ND		400	µg/Kg	1	02/26/2010 21:18	49468
2-Methylphenol	ND		400	µg/Kg	1	02/26/2010 21:18	49468
2,2'-oxybis(1-Chloropropane)	ND		400	µg/Kg	1	02/26/2010 21:18	49468
4-Methylphenol	ND		400	µg/Kg	1	02/26/2010 21:18	49468
N-Nitroso-di-n-propylamine	ND		400	µg/Kg	1	02/26/2010 21:18	49468
Hexachloroethane	ND		400	µg/Kg	1	02/26/2010 21:18	49468
Nitrobenzene	ND		400	µg/Kg	1	02/26/2010 21:18	49468
Isophorone	ND		400	µg/Kg	1	02/26/2010 21:18	49468
2-Nitrophenol	ND		400	µg/Kg	1	02/26/2010 21:18	49468
2,4-Dimethylphenol	ND		400	µg/Kg	1	02/26/2010 21:18	49468
2,4-Dichlorophenol	ND		400	µg/Kg	1	02/26/2010 21:18	49468
1,2,4-Trichlorobenzene	ND		400	µg/Kg	1	02/26/2010 21:18	49468
Naphthalene	ND		400	µg/Kg	1	02/26/2010 21:18	49468
4-Chloroaniline	ND		400	µg/Kg	1	02/26/2010 21:18	49468
Bis(2-chloroethoxy)methane	ND		400	µg/Kg	1	02/26/2010 21:18	49468
Hexachlorobutadiene	ND		400	µg/Kg	1	02/26/2010 21:18	49468
4-Chloro-3-methylphenol	ND		400	µg/Kg	1	02/26/2010 21:18	49468
2-Methylnaphthalene	ND		400	µg/Kg	1	02/26/2010 21:18	49468
Hexachlorocyclopentadiene	ND		400	µg/Kg	1	02/26/2010 21:18	49468
2,4,6-Trichlorophenol	ND		400	µg/Kg	1	02/26/2010 21:18	49468
2,4,5-Trichlorophenol	ND		800	µg/Kg	1	02/26/2010 21:18	49468
2-Chloronaphthalene	ND		400	µg/Kg	1	02/26/2010 21:18	49468
2-Nitroaniline	ND		800	µg/Kg	1	02/26/2010 21:18	49468
Dimethylphthalate	ND		400	µg/Kg	1	02/26/2010 21:18	49468
Acenaphthylene	ND		400	µg/Kg	1	02/26/2010 21:18	49468
2,6-Dinitrotoluene	ND		400	µg/Kg	1	02/26/2010 21:18	49468
3-Nitroaniline	ND		800	µg/Kg	1	02/26/2010 21:18	49468
Acenaphthene	ND		400	µg/Kg	1	02/26/2010 21:18	49468
2,4-Dinitrophenol	ND		800	µg/Kg	1	02/26/2010 21:18	49468
4-Nitrophenol	ND		800	µg/Kg	1	02/26/2010 21:18	49468
Dibenzofuran	ND		400	µg/Kg	1	02/26/2010 21:18	49468
2,4-Dinitrotoluene	ND		400	µg/Kg	1	02/26/2010 21:18	49468
Diethylphthalate	ND		400	µg/Kg	1	02/26/2010 21:18	49468
4-Chlorophenyl-phenylether	ND		400	µg/Kg	1	02/26/2010 21:18	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 04-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-23 (8')

Lab ID: J0281-14

Project: 151 Mt. Hope Ave.

Collection Date: 02/19/10 13:25

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS				SW8270_S
Fluorene	ND	400 µg/Kg	102/26/2010 21:18	49468
4-Nitroaniline	ND	800 µg/Kg	102/26/2010 21:18	49468
4,6-Dinitro-2-methylphenol	ND	800 µg/Kg	102/26/2010 21:18	49468
N-Nitrosodiphenylamine	ND	400 µg/Kg	102/26/2010 21:18	49468
4-Bromophenyl-phenylether	ND	400 µg/Kg	102/26/2010 21:18	49468
Hexachlorobenzene	ND	400 µg/Kg	102/26/2010 21:18	49468
Pentachlorophenol	ND	800 µg/Kg	102/26/2010 21:18	49468
Phenanthrene	110 J	400 µg/Kg	102/26/2010 21:18	49468
Anthracene	45 J	400 µg/Kg	102/26/2010 21:18	49468
Carbazole	ND	400 µg/Kg	102/26/2010 21:18	49468
Di-n-butylphthalate	ND	400 µg/Kg	102/26/2010 21:18	49468
Fluoranthene	220 J	400 µg/Kg	102/26/2010 21:18	49468
Pyrene	160 J	400 µg/Kg	102/26/2010 21:18	49468
Butylbenzylphthalate	ND	400 µg/Kg	102/26/2010 21:18	49468
3,3'-Dichlorobenzidine	ND	400 µg/Kg	102/26/2010 21:18	49468
Benzo(a)anthracene	94 J	400 µg/Kg	102/26/2010 21:18	49468
Chrysene	87 J	400 µg/Kg	102/26/2010 21:18	49468
Bis(2-ethylhexyl)phthalate	ND	400 µg/Kg	102/26/2010 21:18	49468
Di-n-octylphthalate	ND	400 µg/Kg	102/26/2010 21:18	49468
Benzo(b)fluoranthene	86 J	400 µg/Kg	102/26/2010 21:18	49468
Benzo(k)fluoranthene	50 J	400 µg/Kg	102/26/2010 21:18	49468
Benzo(a)pyrene	75 J	400 µg/Kg	102/26/2010 21:18	49468
Indeno(1,2,3-cd)pyrene	54 J	400 µg/Kg	102/26/2010 21:18	49468
Dibenzo(a,h)anthracene	ND	400 µg/Kg	102/26/2010 21:18	49468
Benzo(g,h,i)perylene	49 J	400 µg/Kg	102/26/2010 21:18	49468
Surrogate: Nitrobenzene-d5	61.2	35-100 %REC	102/26/2010 21:18	49468
Surrogate: 2-Fluorobiphenyl	66.0	45-105 %REC	102/26/2010 21:18	49468
Surrogate: Terphenyl-d14	73.9	30-125 %REC	102/26/2010 21:18	49468
Surrogate: Phenol-d5	63.7	40-100 %REC	102/26/2010 21:18	49468
Surrogate: 2-Fluorophenol	62.5	35-105 %REC	102/26/2010 21:18	49468
Surrogate: 2,4,6-Tribromophenol	64.6	35-125 %REC	102/26/2010 21:18	49468

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.

Work Order: J0281

Project: 151 Mt. Hope Ave.

SW8270_S

SW846 8270 -- SVOA by GC-MS

Sample ID: MB-49468	SampType: MBLK	TestCode: SW8270_S	Prep Date: 02/25/10 12:45	Run ID: S3_100226A			
Client ID: MB-49468	Batch ID: 49468	Units: µg/Kg	Analysis Date: 02/26/10 17:08	SeqNo: 1217312			
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
Phenol	ND	330					
Bis(2-chloroethyl)ether	ND	330					
2-Chlorophenol	ND	330					
1,3-Dichlorobenzene	ND	330					
1,4-Dichlorobenzene	ND	330					
1,2-Dichlorobenzene	ND	330					
2-Methylphenol	ND	330					
2,2'-oxybis(1-Chloropropane)	ND	330					
4-Methylphenol	ND	330					
N-Nitroso-di-n-propylamine	ND	330					
Hexachloroethane	ND	330					
Nitrobenzene	ND	330					
Isophorone	ND	330					
2-Nitrophenol	ND	330					
2,4-Dimethylphenol	ND	330					
2,4-Dichlorophenol	ND	330					
1,2,4-Trichlorobenzene	ND	330					
Naphthalene	ND	330					
4-Chloroaniline	ND	330					
Bis(2-chloroethoxy)methane	ND	330					
Hexachlorobutadiene	ND	330					
4-Chloro-3-methylphenol	ND	330					
2-Methylnaphthalene	ND	330					
Hexachlorocyclopentadiene	ND	330					
2,4,6-Trichlorophenol	ND	330					
2,4,5-Trichlorophenol	ND	670					
2-Chloronaphthalene	ND	330					
2-Nitroaniline	ND	670					
Dimethylphthalate	ND	330					
Acenaphthylene	ND	330					
2,6-Dinitrotoluene	ND	330					
3-Nitroaniline	ND	670					
Acenaphthene	ND	330					
2,4-Dinitrophenol	ND	670					
1,4-Nitrophenol	ND	670					
1,2,4-Tribenzofuran	ND	330					

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

SW8270_S
 SW846 8270 -- SVOA by GC-MS

Sample ID: MB-49468 SampType: MBLK TestCode: SW8270_S Run ID: S3_100226A

Client ID: MB-49468 Batch ID: 49468 Units: µg/Kg Analysis Date: 02/26/10 17:08 SeqNo: 1217312

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	ND	330									
Diethylphthalate	ND	330									
4-Chlorophenyl-phenylether	ND	330									
Fluorene	ND	330									
4-Nitroaniline	ND	670									
4,6-Dinitro-2-methylphenol	ND	670									
N-Nitrosodiphenylamine	ND	330									
4-Bromophenyl-phenylether	ND	330									
Hexachlorobenzene	ND	330									
Pentachlorophenol	ND	670									
Phenanthrene	ND	330									
Anthracene	ND	330									
Carbazole	ND	330									
Di-n-butylphthalate	ND	330									
Fluoranthene	ND	330									
Pyrene	ND	330									
Butylbenzylphthalate	ND	330									
3,3'-Dichlorobenzidine	ND	330									
Benzo(a)anthracene	ND	330									
Chrysene	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Di-n-octylphthalate	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzo(a)pyrene	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Dibenzo(a,h)anthracene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Surrogate: Nitrobenzene-d5	1340		1667	0	80.4	35	100	0			
Surrogate: 2-Fluorobiphenyl	1248		1667	0	74.9	45	105	0			
Surrogate: Terphenyl-d14	1309		1667	0	78.5	30	125	0			
Surrogate: Phenol-d5	1983		2500	0	79.3	40	100	0			
Surrogate: 2-Fluorophenol	1969		2500	0	78.8	35	105	0			
Surrogate: 2,4,6-Tribromophenol	1569		2500	0	62.8	35	125	0			

0057

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
 SW8270_S
 SW846 8270 -- SVOA by GC-MS

Sample ID: LCS-49468 SampType: LCS TestCode: SW8270_S Run ID: S3_100226A
 Client ID: LCS-49468 Batch ID: 49468 Units: µg/Kg Analysis Date: 02/26/10 17:29 Prep Date: 02/25/10 12:45 SeqNo: 1217315

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	1258	330	1667	0	75.5	40	100	0			
Bis(2-chloroethyl)ether	1247	330	1667	0	74.8	40	105	0			
2-Chlorophenol	1281	330	1667	0	76.8	45	105	0			
1,3-Dichlorobenzene	1230	330	1667	0	73.8	40	100	0			
1,4-Dichlorobenzene	1218	330	1667	0	73.1	35	105	0			
1,2-Dichlorobenzene	1261	330	1667	0	75.6	45	95	0			
2-Methylphenol	1336	330	1667	0	80.2	40	105	0			
2,2'-oxybis(1-Chloropropane)	1202	330	1667	0	72.1	20	115	0			
4-Methylphenol	1325	330	1667	0	79.5	40	105	0			
N-Nitroso-di-n-propylamine	1331	330	1667	0	79.8	40	115	0			
Hexachloroethane	1258	330	1667	0	75.5	35	110	0			
Nitrobenzene	1336	330	1667	0	80.2	40	115	0			
Isophorone	1366	330	1667	0	81.9	45	110	0			
2-Nitrophenol	1399	330	1667	0	83.9	40	110	0			
2,4-Dimethylphenol	1652	330	1667	0	99.1	30	105	0			
2,4-Dichlorophenol	1355	330	1667	0	81.3	45	110	0			
1,2,4-Trichlorobenzene	1269	330	1667	0	76.1	45	110	0			
Naphthalene	1327	330	1667	0	79.6	40	105	0			
4-Chloroaniline	1504	330	1667	0	90.2	10	95	0			
Bis(2-chloroethoxy)methane	1322	330	1667	0	79.3	45	110	0			
Hexachlorobutadiene	1249	330	1667	0	74.9	40	115	0			
4-Chloro-3-methylphenol	1483	330	1667	0	89.0	45	115	0			
2-Methylnaphthalene	1284	330	1667	0	77.0	45	105	0			
Hexachlorocyclopentadiene	1405	330	1667	0	84.3	8.0	148	0			
2,4,6-Trichlorophenol	1257	330	1667	0	75.4	45	110	0			
2,4,5-Trichlorophenol	1388	670	1667	0	83.3	50	110	0			
2-Chloronaphthalene	1329	330	1667	0	79.7	45	105	0			
2-Nitroaniline	1442	670	1667	0	86.5	45	120	0			
Dimethylphthalate	1417	330	1667	0	85.0	50	110	0			
Acenaphthylene	1418	330	1667	0	85.1	45	105	0			
2,6-Dinitrotoluene	1411	330	1667	0	84.7	50	110	0			
3-Nitroaniline	1031	670	1667	0	61.8	25	110	0			
Acenaphthene	1373	330	1667	0	82.4	45	110	0			
2,4-Dinitrophenol	1495	670	1667	0	89.7	15	130	0			
2,4-Nitrophenol	1385	670	1667	0	83.1	15	140	0			
Dibenzofuran	1378	330	1667	0	82.7	50	105	0			
2,4-Dinitrotoluene	1464	330	1667	0	87.8	50	115	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

SW8270_S

SW846 8270 -- SVOA by GC-MS

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

Sample ID: LCS-49468 SampType: LCS TestCode: SW8270_S Run ID: S3_100226A
 Client ID: LCS-49468 Batch ID: 49468 Units: µg/Kg Analysis Date: 02/26/10 17:29 SeqNo: 1217315
 Prep Date: 02/25/10 12:45

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diethylphthalate	1416	330	1667	0	85.0	50	115	0			
4-Chlorophenyl-phenylether	1386	330	1667	0	83.1	45	110	0			
Fluorene	1378	330	1667	0	82.6	50	110	0			
4-Nitroaniline	838.0	670	1667	0	50.3	35	115	0			
4,6-Dinitro-2-methylphenol	1471	670	1667	0	88.2	30	135	0			
N-Nitrosodiphenylamine	1397	330	1667	0	83.8	50	115	0			
4-Bromophenyl-phenylether	1308	330	1667	0	78.5	45	115	0			
Hexachlorobenzene	1288	330	1667	0	77.3	45	120	0			
Pentachlorophenol	1341	670	1667	0	80.5	25	120	0			
Phenanthrene	1424	330	1667	0	85.4	50	110	0			
Anthracene	1431	330	1667	0	85.8	55	105	0			
Carbazole	1449	330	1667	0	86.9	45	115	0			
Di-n-butylphthalate	1463	330	1667	0	87.8	55	110	0			
Fluoranthene	1419	330	1667	0	85.1	55	115	0			
Pyrene	1394	330	1667	0	83.6	45	125	0			
Butylbenzylphthalate	1455	330	1667	0	87.3	50	125	0			
3,3'-Dichlorobenzidine	1137	330	1667	0	68.2	10	130	0			
Benzo(a)anthracene	1452	330	1667	0	87.1	50	110	0			
Chrysene	1415	330	1667	0	84.9	55	110	0			
Bis(2-ethylhexyl)phthalate	1506	330	1667	0	90.4	45	125	0			
Di-n-octylphthalate	1504	330	1667	0	90.2	40	130	0			
Benzo(b)fluoranthene	1410	330	1667	0	84.6	45	115	0			
Benzo(k)fluoranthene	1373	330	1667	0	82.4	45	125	0			
Benzo(a)pyrene	1451	330	1667	0	87.0	50	110	0			
Indeno(1,2,3-cd)pyrene	1419	330	1667	0	85.1	40	120	0			
Dibenzo(a,h)anthracene	1421	330	1667	0	85.2	40	125	0			
Benzo(g,h,i)perylene	1417	330	1667	0	85.0	40	125	0			
Surrogate: Nitrobenzene-d5	1361	330	1667	0	81.6	35	100	0			
Surrogate: 2-Fluorobiphenyl	1308	330	1667	0	78.5	45	105	0			
Surrogate: Terphenyl-d14	1369	330	1667	0	82.1	30	125	0			
Surrogate: Phenol-d5	1820	330	2500	0	72.8	40	100	0			
Surrogate: 2-Fluorophenol	2000	330	2500	0	80.0	35	105	0			
Surrogate: 2,4,6-Tribromophenol	1577	330	2500	0	63.1	35	125	0			

0059

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
SW8270_S
SW846 8270 -- SVOA by GC-MS

Sample ID: LCSD-49468 SampType: LCSD TestCode: SW8270_S Run ID: S3_100226A
 Client ID: LCSD-49468 Batch ID: 49468 Units: µg/Kg Analysis Date: 02/26/10 17:50 SeqNo: 1217318
 Prep Date: 02/25/10 12:45

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	1299	330	1667	0	77.9	40	100	1258	3.2	40	40
Bis(2-chloroethyl)ether	1222	330	1667	0	73.3	40	105	1247	2.01	40	40
2-Chlorophenol	1290	330	1667	0	77.4	45	105	1281	0.685	40	40
1,3-Dichlorobenzene	1222	330	1667	0	73.3	40	100	1230	0.613	40	40
1,4-Dichlorobenzene	1238	330	1667	0	74.3	35	105	1218	1.65	40	40
1,2-Dichlorobenzene	1232	330	1667	0	73.9	45	95	1261	2.31	40	40
2-Methylphenol	1285	330	1667	0	77.1	40	105	1336	3.93	40	40
2,2'-oxybis(1-Chloropropane)	1193	330	1667	0	71.5	20	115	1202	0.783	40	40
4-Methylphenol	1283	330	1667	0	77.0	40	105	1325	3.21	40	40
N-Nitroso-di-n-propylamine	1315	330	1667	0	78.9	40	115	1331	1.15	40	40
Hexachloroethane	1287	330	1667	0	77.2	35	110	1258	2.22	40	40
Nitrobenzene	1279	330	1667	0	76.7	40	115	1336	4.37	40	40
Isophorone	1312	330	1667	0	78.7	45	110	1366	3.99	40	40
2-Nitrophenol	1361	330	1667	0	81.6	40	110	1399	2.75	40	40
2,4-Dimethylphenol	1586	330	1667	0	95.1	30	105	1652	4.09	40	40
2,4-Dichlorophenol	1303	330	1667	0	78.2	45	110	1355	3.89	40	40
1,2,4-Trichlorobenzene	1255	330	1667	0	75.3	45	110	1269	1.13	40	40
Naphthalene	1268	330	1667	0	76.1	40	105	1327	4.49	40	40
4-Chloroaniline	1458	330	1667	0	87.5	10	95	1504	3.07	40	40
Bis(2-chloroethoxy)methane	1298	330	1667	0	77.9	45	110	1322	1.85	40	40
Hexachlorobutadiene	1218	330	1667	0	73.0	40	115	1249	2.54	40	40
4-Chloro-3-methylphenol	1414	330	1667	0	84.8	45	115	1483	4.81	40	40
2-Methylnaphthalene	1211	330	1667	0	72.6	45	105	1284	5.86	40	40
Hexachlorocyclopentadiene	1341	330	1667	0	80.4	8.0	148	1405	4.64	40	40
2,4,6-Trichlorophenol	1184	330	1667	0	71.0	45	110	1257	5.99	40	40
2,4,5-Trichlorophenol	1369	670	1667	0	82.1	50	110	1388	1.38	40	40
2-Chloronaphthalene	1253	330	1667	0	75.2	45	105	1329	5.89	40	40
2-Nitroaniline	1390	670	1667	0	83.4	45	120	1442	3.65	40	40
Dimethylphthalate	1364	330	1667	0	81.8	50	110	1417	3.88	40	40
Acenaphthylene	1349	330	1667	0	80.9	45	105	1418	5.02	40	40
2,6-Dinitrotoluene	1365	330	1667	0	81.9	50	110	1411	3.33	40	40
3-Nitroaniline	978.1	670	1667	0	58.7	25	110	1031	5.26	40	40
Acenaphthene	1294	330	1667	0	77.6	45	110	1373	5.98	40	40
2,4-Dinitrophenol	1438	670	1667	0	86.3	15	130	1495	3.89	40	40
1,4-Nitrophenol	1621	670	1667	0	97.3	15	140	1385	15.7	40	40
Dibenzofuran	1320	330	1667	0	79.2	50	105	1378	4.34	40	40
2,4-Dinitrotoluene	1405	330	1667	0	84.3	50	115	1464	4.14	40	40

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT

SW8270_S
 SW846 8270 -- SVOA by GC-MS

Sample ID: LCSD-49468 SampType: LCSD TestCode: SW8270_S Prep Date: 02/25/10 12:45 Run ID: S3_100226A
 Client ID: LCSD-49468 Batch ID: 49468 Units: µg/Kg Analysis Date: 02/26/10 17:50 SeqNo: 1217318

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	RPD Ref Val	%RPD	RPDLimit	Qual
Diethylphthalate	1356	330	1667	0	81.4	50	115	1416	1416	4.32	40	
4-Chlorophenyl-phenylether	1335	330	1667	0	80.1	45	110	1386	1386	3.73	40	
Fluorene	1339	330	1667	0	80.3	50	110	1378	1378	2.82	40	
4-Nitroaniline	782.0	670	1667	0	46.9	35	115	838.0	838.0	6.92	40	
4,6-Dinitro-2-methylphenol	1359	670	1667	0	81.5	30	135	1471	1471	7.86	40	
N-Nitrosodiphenylamine	1318	330	1667	0	79.1	50	115	1397	1397	5.81	40	
4-Bromophenyl-phenylether	1236	330	1667	0	74.2	45	115	1308	1308	5.65	40	
Hexachlorobenzene	1189	330	1667	0	71.3	45	120	1288	1288	8.01	40	
Pentachlorophenol	1182	670	1667	0	70.9	25	120	1341	1341	12.6	40	
Phenanthrene	1324	330	1667	0	79.4	50	110	1424	1424	7.26	40	
Anthracene	1347	330	1667	0	80.8	55	105	1431	1431	6.01	40	
Carbazole	1361	330	1667	0	81.6	45	115	1449	1449	6.25	40	
Di-n-butylphthalate	1390	330	1667	0	83.4	55	110	1463	1463	5.13	40	
Fluoranthene	1370	330	1667	0	82.2	55	115	1419	1419	3.52	40	
Pyrene	1291	330	1667	0	77.4	45	125	1394	1394	7.66	40	
Butylbenzylphthalate	1358	330	1667	0	81.5	50	125	1455	1455	6.89	40	
3,3'-Dichlorobenzidine	1106	330	1667	0	66.4	10	130	1137	1137	2.75	40	
Benzo(a)anthracene	1328	330	1667	0	79.7	50	110	1452	1452	8.88	40	
Chrysene	1308	330	1667	0	78.5	55	110	1415	1415	7.8	40	
Bis(2-ethylhexyl)phthalate	1404	330	1667	0	84.2	45	125	1506	1506	7.02	40	
Di-n-octylphthalate	1387	330	1667	0	83.2	40	130	1504	1504	8.1	40	
Benzo(b)fluoranthene	1312	330	1667	0	78.7	45	115	1410	1410	7.2	40	
Benzo(k)fluoranthene	1294	330	1667	0	77.7	45	125	1373	1373	5.92	40	
Benzo(a)pyrene	1338	330	1667	0	80.3	50	110	1451	1451	8.05	40	
Indeno(1,2,3-cd)pyrene	1307	330	1667	0	78.4	40	120	1419	1419	8.24	40	
Dibenzo(a,h)anthracene	1319	330	1667	0	79.1	40	125	1421	1421	7.45	40	
Benzo(g,h,i)perylene	1332	330	1667	0	79.9	40	125	1417	1417	6.18	40	
Surrogate: Nitrobenzene-d5	1361	330	1667	0	81.6	35	100	0	0			
Surrogate: 2-Fluorobiphenyl	1349	330	1667	0	80.9	45	105	0	0			
Surrogate: Terphenyl-d14	1329	330	1667	0	79.7	30	125	0	0			
Surrogate: Phenol-d5	2050	330	2500	0	82.0	40	100	0	0			
Surrogate: 2-Fluorophenol	2092	330	2500	0	83.7	35	105	0	0			
Surrogate: 2,4,6-Tribromophenol	1592	330	2500	0	63.7	35	125	0	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 mLIMS-001 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits



Mitkem Laboratories

Date: 05-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-1 (8.5')

Lab ID: J0281-01

Project: 151 Mt. Hope Ave.

Collection Date: 02/19/10 10:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_S
Arsenic	4.9		1.2	mg/Kg		102/25/2010 13:21	49458
Barium	110	B	12	mg/Kg		102/25/2010 13:21	49458
Cadmium	0.27	BJ	0.29	mg/Kg		102/25/2010 13:21	49458
Chromium	13	B	1.2	mg/Kg		102/25/2010 13:21	49458
Lead	47		0.58	mg/Kg		102/25/2010 13:21	49458
Selenium	ND		1.7	mg/Kg		102/25/2010 13:21	49458
Silver	ND		1.7	mg/Kg		102/25/2010 13:21	49458
SW846 7471 -- Mercury by FIA							SW7471
Mercury	0.090		0.047	mg/Kg		102/25/2010 15:47	49463

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: 05-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-4 (2')

Lab ID: J0281-02

Project: 151 Mt. Hope Ave.

Collection Date: 02/19/10 9:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_S
Arsenic	5.3		1.0	mg/Kg		1 02/25/2010 13:24	49458
Barium	88	B	10	mg/Kg		1 02/25/2010 13:24	49458
Cadmium	0.82	B	0.25	mg/Kg		1 02/25/2010 13:24	49458
Chromium	19	B	1.0	mg/Kg		1 02/25/2010 13:24	49458
Lead	130		0.50	mg/Kg		1 02/25/2010 13:24	49458
Selenium	ND		1.5	mg/Kg		1 02/25/2010 13:24	49458
Silver	ND		1.5	mg/Kg		1 02/25/2010 13:24	49458
SW846 7471 -- Mercury by FIA							SW7471
Mercury	0.28		0.047	mg/Kg		1 02/25/2010 15:49	49463

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: 05-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-4 (11')

Lab ID: J0281-03

Project: 151 Mt. Hope Ave.

Collection Date: 02/19/10 9:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_S
Arsenic		13		1.6		102/25/2010 13:42	49458
Barium	150	B		16		102/25/2010 13:42	49458
Cadmium	1.4	B		0.40		102/25/2010 13:42	49458
Chromium	15	B		1.6		102/25/2010 13:42	49458
Lead	260			0.81		102/25/2010 13:42	49458
Selenium		ND		2.4		102/25/2010 13:42	49458
Silver		ND		2.4		102/25/2010 13:42	49458
SW846 7471 -- Mercury by FIA							SW7471
Mercury	1.8			0.066		102/25/2010 15:53	49463

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: 05-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-6 (3.5')

Lab ID: J0281-04

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 8:35

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_S
Arsenic	3.6		0.83	mg/Kg	1	02/25/2010 13:44	49458
Barium	34	B	8.3	mg/Kg	1	02/25/2010 13:44	49458
Cadmium	0.23	B	0.21	mg/Kg	1	02/25/2010 13:44	49458
Chromium	5.9	B	0.83	mg/Kg	1	02/25/2010 13:44	49458
Lead	44		0.42	mg/Kg	1	02/25/2010 13:44	49458
Selenium	ND		1.3	mg/Kg	1	02/25/2010 13:44	49458
Silver	ND		1.3	mg/Kg	1	02/25/2010 13:44	49458
SW846 7471 -- Mercury by FIA							SW7471
Mercury	0.37		0.041	mg/Kg	1	02/25/2010 15:54	49463

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: 05-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-6 (5-5.8')

Lab ID: J0281-05

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 8:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_S
Aluminum	5200	B	9.2	mg/Kg		103/04/2010 13:54	49458
Antimony	0.30	BJ	0.92	mg/Kg		102/25/2010 13:47	49458
Arsenic	10		0.92	mg/Kg		102/25/2010 13:47	49458
Barium	57	B	9.2	mg/Kg		102/25/2010 13:47	49458
Beryllium	0.93	B	0.23	mg/Kg		102/25/2010 13:47	49458
Cadmium	0.18	BJ	0.23	mg/Kg		102/25/2010 13:47	49458
Calcium	6200	B	37	mg/Kg		103/04/2010 13:54	49458
Chromium	6.5	B	0.92	mg/Kg		102/25/2010 13:47	49458
Cobalt	19	B	2.3	mg/Kg		102/25/2010 13:47	49458
Copper	100	B	1.4	mg/Kg		102/25/2010 13:47	49458
Iron	11000	B	9.2	mg/Kg		103/04/2010 13:54	49458
Lead	260		0.46	mg/Kg		102/25/2010 13:47	49458
Magnesium	2100	B	23	mg/Kg		103/04/2010 13:54	49458
Manganese	79		2.3	mg/Kg		102/25/2010 13:47	49458
Nickel	23	B	2.3	mg/Kg		102/25/2010 13:47	49458
Potassium	460	B	46	mg/Kg		103/04/2010 12:56	49458
Selenium	ND		1.4	mg/Kg		102/25/2010 13:47	49458
Silver	ND		1.4	mg/Kg		102/25/2010 13:47	49458
Sodium	130	B	46	mg/Kg		103/04/2010 12:56	49458
Thallium	ND		0.92	mg/Kg		102/25/2010 13:47	49458
Vanadium	17	B	2.3	mg/Kg		102/25/2010 13:47	49458
Zinc	120	B	2.3	mg/Kg		102/25/2010 13:47	49458
SW846 7471 -- Mercury by FIA							SW7471
Mercury	0.63		0.047	mg/Kg		102/25/2010 15:58	49463

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 05-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-6 (9')

Lab ID: J0281-06

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 8:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_S
Arsenic	14		1.4	mg/Kg		1 02/25/2010 13:50	49458
Barium	120	B	14	mg/Kg		1 02/25/2010 13:50	49458
Cadmium	0.51	B	0.35	mg/Kg		1 02/25/2010 13:50	49458
Chromium	7.9	B	1.4	mg/Kg		1 02/25/2010 13:50	49458
Lead	320		0.70	mg/Kg		1 02/25/2010 13:50	49458
Selenium	ND		2.1	mg/Kg		1 02/25/2010 13:50	49458
Silver	ND		2.1	mg/Kg		1 02/25/2010 13:50	49458
SW846 7471 -- Mercury by FIA							SW7471
Mercury	2.4		0.055	mg/Kg		1 02/25/2010 15:59	49463

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: 05-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-7 (6.5')

Lab ID: J0281-07

Project: 151 Mt. Hope Ave.

Collection Date: 02/19/10 11:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_S
Arsenic	15		1.2	mg/Kg	1	02/25/2010 13:53	49458
Barium	96	B	12	mg/Kg	1	02/25/2010 13:53	49458
Cadmium	0.15	BJ	0.30	mg/Kg	1	02/25/2010 13:53	49458
Chromium	7.2	B	1.2	mg/Kg	1	02/25/2010 13:53	49458
Lead	120		0.60	mg/Kg	1	02/25/2010 13:53	49458
Selenium	ND		1.8	mg/Kg	1	02/25/2010 13:53	49458
Silver	ND		1.8	mg/Kg	1	02/25/2010 13:53	49458
SW846 7471 -- Mercury by FIA							SW7471
Mercury	0.26		0.046	mg/Kg	1	02/25/2010 16:01	49463

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: 05-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-8 (2.5')

Lab ID: J0281-08

Project: 151 Mt. Hope Ave.

Collection Date: 02/19/10 10:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_S
Arsenic	5.3		0.81	mg/Kg		1 02/25/2010 14:07	49458
Barium	31	B	8.1	mg/Kg		1 02/25/2010 14:07	49458
Cadmium	0.48	B	0.20	mg/Kg		1 02/25/2010 14:07	49458
Chromium	6.6	B	0.81	mg/Kg		1 02/25/2010 14:07	49458
Lead	64		0.41	mg/Kg		1 02/25/2010 14:07	49458
Selenium	ND		1.2	mg/Kg		1 02/25/2010 14:07	49458
Silver	ND		1.2	mg/Kg		1 02/25/2010 14:07	49458
SW846 7471 -- Mercury by FIA							SW7471
Mercury	0.31		0.041	mg/Kg		1 02/25/2010 16:02	49463

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: 05-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-20 (6.5')

Lab ID: J0281-12

Project: 151 Mt. Hope Ave.

Collection Date: 02/18/10 13:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_S
Aluminum	5700	B	12	mg/Kg		1 03/04/2010 13:58	49458
Antimony	1.5	B	1.2	mg/Kg		1 02/25/2010 14:10	49458
Arsenic	12		1.2	mg/Kg		1 02/25/2010 14:10	49458
Barium	140	B	12	mg/Kg		1 02/25/2010 14:10	49458
Beryllium	0.65	B	0.31	mg/Kg		1 02/25/2010 14:10	49458
Cadmium	0.20	BJ	0.31	mg/Kg		1 02/25/2010 14:10	49458
Calcium	19000	B	49	mg/Kg		1 03/04/2010 13:58	49458
Chromium	8.8	B	1.2	mg/Kg		1 02/25/2010 14:10	49458
Cobalt	7.0	B	3.1	mg/Kg		1 02/25/2010 14:10	49458
Copper	45	B	1.8	mg/Kg		1 02/25/2010 14:10	49458
Iron	9100	B	12	mg/Kg		1 03/04/2010 13:58	49458
Lead	310		0.61	mg/Kg		1 02/25/2010 14:10	49458
Magnesium	4900	B	31	mg/Kg		1 03/04/2010 13:58	49458
Manganese	780		3.1	mg/Kg		1 02/25/2010 14:10	49458
Nickel	10	B	3.1	mg/Kg		1 02/25/2010 14:10	49458
Potassium	680	B	61	mg/Kg		1 03/04/2010 12:58	49458
Selenium	1.1	J	1.8	mg/Kg		1 02/25/2010 14:10	49458
Silver	ND		1.8	mg/Kg		1 02/25/2010 14:10	49458
Sodium	180	B	61	mg/Kg		1 03/04/2010 12:58	49458
Thallium	ND		1.2	mg/Kg		1 02/25/2010 14:10	49458
Vanadium	19	B	3.1	mg/Kg		1 02/25/2010 14:10	49458
Zinc	150	B	3.1	mg/Kg		1 02/25/2010 14:10	49458
SW846 7471 -- Mercury by FIA							SW7471
Mercury	1.2		0.095	mg/Kg		2 02/25/2010 16:25	49463

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 05-Mar-10

Client: Day Environmental Inc.

Client Sample ID: TP10-22 (8')

Lab ID: J0281-13

Project: 151 Mt. Hope Ave.

Collection Date: 02/19/10 12:50

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_S
Aluminum	4400	B	13	mg/Kg		1 03/04/2010 14:01	49458
Antimony	0.53	BJ	1.3	mg/Kg		1 02/25/2010 14:13	49458
Arsenic	11		1.3	mg/Kg		1 02/25/2010 14:13	49458
Barium	120	B	13	mg/Kg		1 02/25/2010 14:13	49458
Beryllium	0.44	B	0.32	mg/Kg		1 02/25/2010 14:13	49458
Cadmium	0.11	BJ	0.32	mg/Kg		1 02/25/2010 14:13	49458
Calcium	12000	B	51	mg/Kg		1 03/04/2010 14:01	49458
Chromium	11	B	1.3	mg/Kg		1 02/25/2010 14:13	49458
Cobalt	4.6	B	3.2	mg/Kg		1 02/25/2010 14:13	49458
Copper	30	B	1.9	mg/Kg		1 02/25/2010 14:13	49458
Iron	5200	B	13	mg/Kg		1 03/04/2010 14:01	49458
Lead	260		0.63	mg/Kg		1 02/25/2010 14:13	49458
Magnesium	920	B	32	mg/Kg		1 03/04/2010 14:01	49458
Manganese	99		3.2	mg/Kg		1 02/25/2010 14:13	49458
Nickel	9.7	B	3.2	mg/Kg		1 02/25/2010 14:13	49458
Potassium	450	B	63	mg/Kg		1 03/04/2010 13:00	49458
Selenium	1.7	J	1.9	mg/Kg		1 02/25/2010 14:13	49458
Silver	ND		1.9	mg/Kg		1 02/25/2010 14:13	49458
Sodium	210	B	63	mg/Kg		1 03/04/2010 13:00	49458
Thallium	ND		1.3	mg/Kg		1 02/25/2010 14:13	49458
Vanadium	26	B	3.2	mg/Kg		1 02/25/2010 14:13	49458
Zinc	72	B	3.2	mg/Kg		1 02/25/2010 14:13	49458
SW846 7471 -- Mercury by FIA							SW7471
Mercury	1.2		0.054	mg/Kg		1 02/25/2010 16:05	49463

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.

Work Order: J0281

Project: 151 Mt. Hope Ave.

SW6010_S

SW846 6010 -- Metals by ICP

Run ID: OPTIMA2_100225C
SeqNo: 1217252

Prep Date: 02/24/10 14:00
Analysis Date: 02/25/10 13:15

TestCode: SW6010_S
Units: mg/Kg

SampType: MBLK
Batch ID: 49458

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.2413	1.0									J
Arsenic	ND	1.0									J
Barium	0.4298	10									J
Beryllium	0.01832	0.25									J
Cadmium	0.02754	0.25									J
Chromium	0.07892	1.0									J
Cobalt	0.07120	2.5									J
Copper	0.6688	1.5									J
Lead	ND	0.50									J
Manganese	ND	2.5									J
Nickel	0.1240	2.5									J
Selenium	ND	1.5									J
Silver	ND	1.5									J
Thallium	ND	1.0									J
Vanadium	0.09887	2.5									J
Zinc	1.275	2.5									J

Run ID: OPTIMA3_100304A
SeqNo: 1217380

Prep Date: 02/24/10 14:00
Analysis Date: 03/04/10 12:51

TestCode: SW6010_S
Units: mg/Kg

SampType: MBLK
Batch ID: 49458

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Potassium	2.502	50									J
Sodium	3.856	50									J

Run ID: OPTIMA3_100304B
SeqNo: 1217674

Prep Date: 02/24/10 14:00
Analysis Date: 03/04/10 13:48

TestCode: SW6010_S
Units: mg/Kg

SampType: MBLK
Batch ID: 49458

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2.009	10									J
Calcium	12.59	40									J
Iron	5.280	10									J
Magnesium	4.239	25									J

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

0072

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
SW6010_S
SW846 6010 -- Metals by ICP

Sample ID: LCS-49458 SampType: LCS TestCode: SW6010_S Prep Date: 02/24/10 14:00 Run ID: OPTIMA2_100225C
 Client ID: LCS-49458 Batch ID: 49458 Units: mg/Kg Analysis Date: 02/25/10 13:18 SeqNo: 1217254

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	25.10	1.0	22.75	0	110	80	120	0			B
Arsenic	23.15	1.0	22.75	0	102	80	120	0			B
Barium	463.4	10	455.0	0	102	80	120	0			B
Beryllium	11.26	0.25	11.35	0	99.2	80	120	0			B
Cadmium	11.40	0.25	11.35	0	100	80	120	0			B
Chromium	45.67	1.0	45.50	0	100	80	120	0			B
Cobalt	114.8	2.5	113.5	0	101	80	120	0			B
Copper	56.59	1.5	56.50	0	100	80	120	0			B
Lead	23.59	0.50	22.75	0	104	80	120	0			B
Manganese	115.9	2.5	113.5	0	102	80	120	0			B
Nickel	114.9	2.5	113.5	0	101	80	120	0			B
Selenium	21.40	1.5	22.75	0	94.1	80	120	0			B
Silver	54.64	1.5	56.50	0	96.7	75	120	0			B
Thallium	22.32	1.0	22.75	0	98.1	80	120	0			B
Vanadium	114.4	2.5	113.5	0	101	80	120	0			B
Zinc	113.6	2.5	113.5	0	100	80	120	0			B

Sample ID: LCS-49458 SampType: LCS TestCode: SW6010_S Prep Date: 02/24/10 14:00 Run ID: OPTIMA3_100304A
 Client ID: LCS-49458 Batch ID: 49458 Units: mg/Kg Analysis Date: 03/04/10 12:53 SeqNo: 1217381

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Potassium	1098	50	1135	0	96.8	80	120	0			B
Sodium	1106	50	1135	0	97.5	80	120	0			B

Sample ID: LCS-49458 SampType: LCS TestCode: SW6010_S Prep Date: 02/24/10 14:00 Run ID: OPTIMA3_100304B
 Client ID: LCS-49458 Batch ID: 49458 Units: mg/Kg Analysis Date: 03/04/10 13:51 SeqNo: 1217675

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	452.8	10	455.0	0	99.5	80	120	0			B
Calcium	1133	40	1135	0	99.8	80	120	0			B
Iron	232.8	10	227.5	0	102	80	120	0			B
Magnesium	1143	25	1135	0	101	80	120	0			B

0073

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

SW6010_S
 SW846 6010 -- Metals by ICP

Sample ID: J0281-02ADUP SampType: DUP TestCode: SW6010_S Prep Date: 02/24/10 14:00 Run ID: OPTIMA2_100225C
 Client ID: TP10-4 (2') Batch ID: 49458 Units: mg/Kg Analysis Date: 02/25/10 13:26 SeqNo: 1217258

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.706	1.0	0	0	0	0	0	5.337	6.68	20	
Barium	72.57	10	0	0	0	0	0	87.80	19	20	B
Cadmium	0.7465	0.26	0	0	0	0	0	0.8162	8.92	20	B
Chromium	17.23	1.0	0	0	0	0	0	18.82	8.86	20	B
Lead	115.7	0.51	0	0	0	0	0	126.1	8.61	20	
Selenium	ND	1.5	0	0	0	0	0	0	0	20	
Silver	ND	1.5	0	0	0	0	0	0	0	20	

Sample ID: J0281-02AMS SampType: MS TestCode: SW6010_S Prep Date: 02/24/10 14:00 Run ID: OPTIMA2_100225C
 Client ID: TP10-4 (2') Batch ID: 49458 Units: mg/Kg Analysis Date: 02/25/10 13:28 SeqNo: 1217259

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	26.40	1.0	23.69	5.337	88.9	80	120	0			
Barium	484.4	10	473.7	87.80	83.7	80	120	0			B
Cadmium	10.39	0.26	11.82	0.8162	81.0	80	120	0			B
Chromium	57.90	1.0	47.37	18.82	82.5	80	120	0			B
Lead	146.3	0.52	23.69	126.1	85.5	80	120	0			
Selenium	18.35	1.6	23.69	0	77.5	80	120	0			S
Silver	55.43	1.6	58.82	0	94.2	75	120	0			

Sample ID: J0281-02ASD SampType: SD TestCode: SW6010_S Prep Date: 02/24/10 14:00 Run ID: OPTIMA2_100225C
 Client ID: TP10-4 (2') Batch ID: 49458 Units: mg/Kg Analysis Date: 02/25/10 13:30 SeqNo: 1217260

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	4.215	5.0	0	0	0	0	0	5.337	23.5	10	JR
Barium	103.7	50	0	0	0	0	0	87.80	16.6	10	BR
Cadmium	0.9758	1.3	0	0	0	0	0	0.8162	17.8	10	BJR
Chromium	21.70	5.0	0	0	0	0	0	18.82	14.2	10	BR
Lead	151.9	2.5	0	0	0	0	0	126.1	18.6	10	R
Selenium	ND	7.5	0	0	0	0	0	0	0	10	
Silver	0.5616	7.5	0	0	0	0	0	0	200	10	JR

0074

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

SW6010_S
 SW846 6010 -- Metals by ICP

Sample ID: J0281-13ASD	SampType: SD	TestCode: SW6010_S	Prep Date: 02/24/10 14:00	Run ID: OPTIMA3_100304A							
Client ID: TP10-22 (8')	Batch ID: 49458	Units: mg/Kg	Analysis Date: 03/04/10 13:03	SeqNo: 1217385							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Potassium	455.3	320	0	0	0	0	0	451.0	0.928	10	B
Sodium	206.9	320	0	0	0	0	0	206.2	0.32	10	BJ

Sample ID: J0281-13ASD	SampType: SD	TestCode: SW6010_S	Prep Date: 02/24/10 14:00	Run ID: OPTIMA3_100304B							
Client ID: TP10-22 (8')	Batch ID: 49458	Units: mg/Kg	Analysis Date: 03/04/10 14:04	SeqNo: 1217679							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4878	63	0	0	0	0	0	4388	10.6	10	BR
Calcium	13300	250	0	0	0	0	0	12250	8.21	10	B
Iron	5978	63	0	0	0	0	0	5194	14	10	BR
Magnesium	1089	160	0	0	0	0	0	923.8	16.4	10	BR

Sample ID: J0281-02APDS	SampType: PDS	TestCode: SW6010_S	Prep Date: 02/24/10 14:00	Run ID: OPTIMA2_100225C							
Client ID: TP10-4 (2')	Batch ID: 49458	Units: mg/Kg	Analysis Date: 02/25/10 13:39	SeqNo: 1217263							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	18.48	1.5	22.88	0	80.8	75	125	0	0	0	

0075

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J0281
 Project: 151 Mt. Hope Ave.

SW7471
 SW846 7471 -- Mercury by FIA

Sample ID: MB-49463	SampType: MBLK	TestCode: SW7471	Prep Date: 02/24/10 14:00	Run ID: FIMS1_100225B	
Client ID: MB-49463	Batch ID: 49463	Units: mg/Kg	Analysis Date: 02/25/10 15:45	SeqNo: 1213324	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit HighLimit
Mercury	ND	0.033	0	109	80 120
			SPK value	%RPD	RPD Ref Val %RPD RPDLimit Qual

Sample ID: LCS-49463	SampType: LCS	TestCode: SW7471	Prep Date: 02/24/10 14:00	Run ID: FIMS1_100225B	
Client ID: LCS-49463	Batch ID: 49463	Units: mg/Kg	Analysis Date: 02/25/10 15:46	SeqNo: 1213325	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit HighLimit
Mercury	0.8240	0.033	0	109	80 120
			SPK value	%RPD	RPD Ref Val %RPD RPDLimit Qual

Sample ID: J0281-02ADUP	SampType: DUP	TestCode: SW7471	Prep Date: 02/24/10 14:00	Run ID: FIMS1_100225B	
Client ID: TP10-4 (2')	Batch ID: 49463	Units: mg/Kg	Analysis Date: 02/25/10 15:50	SeqNo: 1213328	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit HighLimit
Mercury	0.3239	0.045	0	0	0 0
			SPK value	%RPD	RPD Ref Val %RPD RPDLimit Qual

Sample ID: J0281-02AMS	SampType: MS	TestCode: SW7471	Prep Date: 02/24/10 14:00	Run ID: FIMS1_100225B	
Client ID: TP10-4 (2')	Batch ID: 49463	Units: mg/Kg	Analysis Date: 02/25/10 15:51	SeqNo: 1213329	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit HighLimit
Mercury	1.325	0.042	0.2809	107	80 120
			SPK value	%RPD	RPD Ref Val %RPD RPDLimit Qual

0076

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

mLIMS-001

WorkOrder: J0281

02/25/2010 09:41

Mitkem Laboratories

Client ID: DAY

Project: 151 Mt. Hope Ave.

WO Name: 151 Mt. Hope Ave.

Location: 151_MT_HOPE,

Comments: N/A

Case:

SDG:

PO: 4302S-09

HC Due: 03/05/10

Fax Due:

Fax Report:

Report Level: LEVEL 2

Special Program:

EDD: GISKEY

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
J0281-01A	TP10-1 (8.5)	02/19/2010 10:15	02/23/2010	Soil	PMoist	/					A2
J0281-01A	TP10-1 (8.5)	02/19/2010 10:15	02/23/2010	Soil	SW6010_S	/ RCRA8				Y	A2
J0281-01A	TP10-1 (8.5)	02/19/2010 10:15	02/23/2010	Soil	SW7471	/ RCRA8					A2
J0281-02A	TP10-4 (2)	02/19/2010 09:20	02/23/2010	Soil	PMoist	/					A2
J0281-02A	TP10-4 (2)	02/19/2010 09:20	02/23/2010	Soil	SW6010_S	/ RCRA8				Y	A2
J0281-02A	TP10-4 (2)	02/19/2010 09:20	02/23/2010	Soil	SW7471	/ RCRA8					A2
J0281-02B	TP10-4 (2)	02/19/2010 09:20	02/23/2010	Soil	SW8270_S	/					A2
J0281-03A	TP10-4 (11')	02/19/2010 09:45	02/23/2010	Soil	PMoist	/					A2
J0281-03A	TP10-4 (11')	02/19/2010 09:45	02/23/2010	Soil	SW6010_S	/ RCRA8				Y	A2
J0281-03A	TP10-4 (11')	02/19/2010 09:45	02/23/2010	Soil	SW7471	/ RCRA8					A2
J0281-03B	TP10-4 (11')	02/19/2010 09:45	02/23/2010	Soil	SW8270_S	/					A2
J0281-04A	TP10-6 (3.5)	02/18/2010 08:35	02/23/2010	Soil	PMoist	/					A2
J0281-04A	TP10-6 (3.5)	02/18/2010 08:35	02/23/2010	Soil	SW6010_S	/ RCRA8				Y	A2
J0281-04A	TP10-6 (3.5)	02/18/2010 08:35	02/23/2010	Soil	SW7471	/ RCRA8					A2
J0281-04B	TP10-6 (3.5)	02/18/2010 08:35	02/23/2010	Soil	SW8270_S	/					A2
J0281-05A	TP10-6 (5-5.8')	02/18/2010 08:45	02/23/2010	Soil	PMoist	/					A2
J0281-05A	TP10-6 (5-5.8')	02/18/2010 08:45	02/23/2010	Soil	SW6010_S	/ TAL				Y	A2
J0281-05A	TP10-6 (5-5.8')	02/18/2010 08:45	02/23/2010	Soil	SW7471	/ TAL					A2
J0281-06A	TP10-6 (9')	02/18/2010 08:40	02/23/2010	Soil	PMoist	/					A2
J0281-06A	TP10-6 (9')	02/18/2010 08:40	02/23/2010	Soil	SW6010_S	/ RCRA8				Y	A2
J0281-06A	TP10-6 (9')	02/18/2010 08:40	02/23/2010	Soil	SW7471	/ RCRA8					A2

0077

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

WorkOrder: J0281

02/25/2010 09:41

Mitkem Laboratories

Client ID: DAY

Project: 151 Mt. Hope Ave.

WO Name: 151 Mt. Hope Ave.

Location: 151_MT_HOPE,

Comments: N/A

Case:

SDG:

HC Due: 03/05/10

Fax Due: Special Program:

Fax Report: EDD: GISKEY

Report Level: LEVEL 2

PO: 4302S-09

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
J0281-06B	TP10-6 (9')	02/18/2010 08:40	02/23/2010	Soil	SW8260_LOW_S	/					VOA
J0281-06B	TP10-6 (9')	02/18/2010 08:40	02/23/2010	Soil	SW8260_MED_S	/			Y		VOA
J0281-06C	TP10-6 (9')	02/18/2010 08:40	02/23/2010	Soil	SW8270_S	/					A2
J0281-07A	TP10-7 (6.5')	02/19/2010 11:20	02/23/2010	Soil	PMoist	/					A2
J0281-07A	TP10-7 (6.5')	02/19/2010 11:20	02/23/2010	Soil	SW6010_S	/ RCRA8				Y	A2
J0281-07A	TP10-7 (6.5')	02/19/2010 11:20	02/23/2010	Soil	SW7471	/ RCRA8					A2
J0281-08A	TP10-8 (2.5')	02/19/2010 10:45	02/23/2010	Soil	PMoist	/					A2
J0281-08A	TP10-8 (2.5')	02/19/2010 10:45	02/23/2010	Soil	SW6010_S	/ RCRA8				Y	A2
J0281-08A	TP10-8 (2.5')	02/19/2010 10:45	02/23/2010	Soil	SW7471	/ RCRA8					A2
J0281-08B	TP10-8 (2.5')	02/19/2010 10:45	02/23/2010	Soil	SW8270_S	/					A2
J0281-09A	TP10-11 (7')	02/18/2010 10:40	02/23/2010	Soil	PMoist	/					A2
J0281-09A	TP10-11 (7')	02/18/2010 10:40	02/23/2010	Soil	SW8270_S	/					A2
J0281-09B	TP10-11 (7')	02/18/2010 10:40	02/23/2010	Soil	SW8260_LOW_S	/					VOA
J0281-09B	TP10-11 (7')	02/18/2010 10:40	02/23/2010	Soil	SW8260_MED_S	/			Y		VOA
J0281-10A	TP10-13 (11')	02/18/2010 11:25	02/23/2010	Soil	PMoist	/					A2
J0281-10A	TP10-13 (11')	02/18/2010 11:25	02/23/2010	Soil	SW8270_S	/					A2
J0281-10B	TP10-13 (11')	02/18/2010 11:25	02/23/2010	Soil	SW8260_LOW_S	/					VOA
J0281-10B	TP10-13 (11')	02/18/2010 11:25	02/23/2010	Soil	SW8260_MED_S	/			Y		VOA
J0281-11A	TP10-15 (7')	02/18/2010 14:40	02/23/2010	Soil	PMoist	/					A2
J0281-11A	TP10-15 (7')	02/18/2010 14:40	02/23/2010	Soil	SW8270_S	/					A2
J0281-11B	TP10-15 (7')	02/18/2010 14:40	02/23/2010	Soil	SW8260_LOW_S	/					VOA

HF = Fraction logged in but all tests have been placed on hold

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WorkOrder: J0281

02/25/2010 09:41

Mitkem Laboratories

Client ID: DAY

Project: 151 Mt. Hope Ave.

WO Name: 151 Mt. Hope Ave.

Location: 151_MT_HOPE,

Comments: N/A

Case:

SDG:

PO: 4302S-09

HC Due: 03/05/10

Fax Due:

Fax Report:

Report Level: LEVEL 2

Special Program:

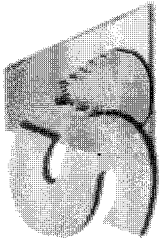
EDD: GISKEY

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
J0281-11B	TP10-15 (7')	02/18/2010 14:40	02/23/2010	Soil	SW8260_MED_S	/		Y			VOA
J0281-12A	TP10-20 (6.5')	02/18/2010 13:15	02/23/2010	Soil	PMoist	/					A2
J0281-12A	TP10-20 (6.5')	02/18/2010 13:15	02/23/2010	Soil	SW6010_S	/TAL			Y		A2
J0281-12A	TP10-20 (6.5')	02/18/2010 13:15	02/23/2010	Soil	SW7471	/TAL					A2
J0281-12B	TP10-20 (6.5')	02/18/2010 13:15	02/23/2010	Soil	SW8270_S	/					A2
J0281-13A	TP10-22 (8')	02/19/2010 12:50	02/23/2010	Soil	PMoist	/					A2
J0281-13A	TP10-22 (8')	02/19/2010 12:50	02/23/2010	Soil	SW6010_S	/TAL			Y		A2
J0281-13A	TP10-22 (8')	02/19/2010 12:50	02/23/2010	Soil	SW7471	/TAL					A2
J0281-14A	TP10-23 (8')	02/19/2010 13:25	02/23/2010	Soil	PMoist	/					A2
J0281-14A	TP10-23 (8')	02/19/2010 13:25	02/23/2010	Soil	SW8270_S	/					A2
J0281-14B	TP10-23 (8')	02/19/2010 13:25	02/23/2010	Soil	SW8260_LOW_S	/					VOA
J0281-14B	TP10-23 (8')	02/19/2010 13:25	02/23/2010	Soil	SW8260_MED_S	/		Y			VOA
J0281-15A	TB021910	02/19/2010 00:00	02/23/2010	Aqueous	SW8260_W	/					VOA

0079

HF = Fraction logged in but all tests have been placed on hold

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SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
 Standard TAT - 7 to 10 Business days
 Rush TAT - Date Needed: _____
 All TATs subject to laboratory approval.
 Min. 24-hour notification needed for rushes.
 Samples disposed of after 60 days unless otherwise instructed.

Report To: Jeff Danzinger
DAY ENVIRONMENTAL
40 COMMERCIAL STREET
ROCHESTER, NY 14614
 Project Mgr.: JDANZINGER@DAYMIL.NET
 Telephone #: 585-454-0210 X 114

Invoice To: SAME
 P.O. No.: _____ RQN: _____

Project No.: Rocity 43025-09
 Site Name: 151 MT Hope Avenue State: NY
 Location: Rochester
 Sampler(s): CAIT

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
 8= NaHSO₄ 9= _____ 10= _____ 11= _____

List preservative code below:

QA/QC Reporting Notes:
(check as needed)

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1= _____ X2= _____ X3= _____

Containers:

# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic
----------------	------------------	------------------	--------------

Analyses:

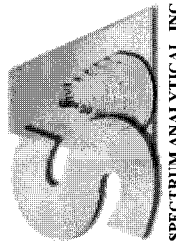
TCL/STMS VOCs	TAL METALS	RCRA METALS
---------------	------------	-------------

Provide MA DEP MCP CAM Report
 Provide CT DPH RCP Report
QA/QC Reporting Level
 Standard No QC
 Other _____
 State specific reporting standards: _____

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix
01	TP10-1 (8.5')	2-19-10	10:15	G	SO
02	TP10-4 (2')	2-19-10	09:20	G	SO
03	TP10-4 (11')	2-19-10	09:45	G	SO
04	TP10-6 (3.5')	2-18-10	08:35	G	SO
05	TP10-6 (5-5.8')	2-18-10	08:45	G	SO
06	TP10-6 (9')	2-18-10	08:40	G	SO
07	TP10-7 (6.5')	2-19-10	11:20	G	SO
08	TP10-8 (2.5')	2-19-10	10:45	G	SO
09	TP10-1 (7')	2-18-10	10:40	G	SO
10	TP10-13 (11')	2-18-10	11:25	G	SO

Relinquished by: _____ Received by: _____ Date: _____ Time: _____
 Charles Hampton Fed Ex
 Fed Ex
 2-22-10 13:00
 2/23/10 11:04

Condition upon receipt: Iced Ambient °C 5



SPECTRUMANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
 Standard TAT - 7 to 10 business days
 Rush TAT - Date Needed: _____
 All TATs subject to laboratory approval.
 Min. 24-hour notification needed for rushes.
 Samples disposed of after 60 days unless otherwise instructed.

Report To: Jeff Danzinger
DAY ENVIRONMENTAL
40 COMMERCIAL STREET
ROCHESTER, NY 14614
 Project Mgr.: JDANZINGER@DAYMAIL.NET
 Telephone #: 585-454-0210 x 114

Invoice To: SAME
 Project No.: Rocity 4302s - 09
 Site Name: 151 MT Hope Avenue
 Location: Rochester State: NY
 Sampler(s): CAH

1 = Na₂S₂O₃ 2 = HCl 3 = H₂SO₄ 4 = HNO₃ 5 = NaOH 6 = Ascorbic Acid 7 = CH₃OH
 8 = NaHSO₄ 9 = _____ 10 = _____ 11 = _____

QA/QC Reporting Notes: _____ (check as needed)
 Provide MA DEP MCP CAM Report
 Provide CT DPH RCP Report
QA/QC Reporting Level
 Standard No QC
 Other _____
 State specific reporting standards: _____

Containers: # of VOA Vials # of Amber Glass # of Clear Glass # of Plastic
 Analyses: _____
 List preservative code below: _____

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses:	QA/QC Reporting Notes:
11	TP10-15 (7')	2-18-10	14:40	G	SO	2	1	1	2	TCL SUCCS TAL METALS	
12	TP10-20 (6.5')	2-18-10	13:15	G	SO	1	1	1	1	X	
13	TP10-22 (8')	2-19-10	12:50	G	SO	1	1	1	1	X	
14	TP10-23 (8')	2-19-10	13:25	G	SO	1	1	1	1	X	
15	TB021910	2-19-10	—	X	W	2	2	2	2	X	

Relinquished by: Charles Hampton Received by: Fed Ex
 Date: 2-22-10 Time: 13:00
 Condition upon receipt: Used Ambient °C 5

MITKEM LABORATORIES
Sample Condition Form

Received By: AED Reviewed By: SN Date: 2/23/10 Mitkem Work Order #: J0281

Client Project: 151 MT HOPE Client: DAY Soil Headspace or Air Bubble \geq 1/4"

	Lab Sample ID	Preservation (pH)					VOA Matrix	
		HNO ₃	H ₂ SO ₄	HCl	NaOH	H ₃ PO ₄		
1) Cooler Sealed <u>Yes</u> / No	J0281 01							
	02							
2) Custody Seal(s) <u>Present</u> / Absent	03							
<u>Coolers</u> / Bottles	04							
<u>Intact</u> / Broken	05							
	06						US	
3) Custody Seal Number(s) <u>N/A</u>	07							
	08							
	09						US	
	10						US	
	11						US	
4) Chain-of-Custody <u>Present</u> / Absent	12							
	13							
5) Cooler Temperature <u>5 °C</u>	14						US	
IR Temp Gun ID <u>MT-1</u>	J0281 15						H	
Coolant Condition <u>ICED</u>								
6) Airbill(s) <u>Present</u> / Absent								
Airbill Number(s) <u>FEDEX</u>								
<u>8613 2134 4306</u>								
7) Samples Bottles <u>Intact</u> / Broken / Leaking								
8) Date Received <u>2/23/10</u>								
9) Time Received <u>11:04</u>								
Preservative Name/Lot No.:								

VOA Matrix Key:
 US = Unpreserved Soil A = Air
 UA = Unpreserved Aqueous H = HCl
 M = MeOH E = Encore
 N = NaHSO₄ F = Freeze

See Sample Condition Notification/Corrective Action Form yes / no

Rad OK yes / no

Last Page of Data Report

Report Date:
27-May-10 17:39



- Final Report
- Re-Issued Report
- Revised Report

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

Laboratory Report

Day Environmental Inc.
40 Commercial Street
Rochester, NY 14614-1008

Work Order: J0944
Project: 151 Mt. Hope Ave.
Project #:

Attn: Jeff Danzinger

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
J0944-01	MW10-1 (7'-8')	Soil	05-May-10 09:00	07-May-10 09:40
J0944-02	MW10-1 (8.5'-10')	Soil	05-May-10 09:20	07-May-10 09:40
J0944-03	MW10-1 (10'-11')	Soil	05-May-10 09:22	07-May-10 09:40
J0944-04	MW10-2 (5.5'-6')	Soil	05-May-10 11:10	07-May-10 09:40
J0944-05	MW10-2 (8'-9.5')	Soil	05-May-10 11:25	07-May-10 09:40
J0944-06	MW10-3 (10'-12')	Soil	06-May-10 08:25	07-May-10 09:40
J0944-07	MW10-3 (13')	Soil	06-May-10 08:30	07-May-10 09:40
J0944-08	TB050610	Aqueous	06-May-10 00:00	07-May-10 09:40

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the sample(s) as received.

All applicable NELAC or USEPA CLP requirements have been met.

Mitkem Laboratories is accredited under the National Environmental Laboratory Approval Program (NELAP) and is certified by several States, as well as USEPA and US Department of Defense. The current list of our laboratory approvals and certifications is available on the Certifications page our web site at www.mitkem.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
Texas	T104704422-08-TX
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-05-030



Authorized by:

Yihai Ding
Laboratory Director

Technical Reviewer's Initials:

Analytical Data Package for Day Environmental Inc.

Client Project: 151 Mt. Hope Ave.

Mitkem Work Order ID: J0944

May 27, 2010

Prepared For: Day Environmental Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Jeff Danzinger

Prepared By: Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

Client: Day Environmental Inc.

Client Project: 151 Mt. Hope Ave.

Lab Project ID: J0944

Date samples received: 05/07/10

Project Narrative

This data report includes the analysis results for eight (8) samples that were received from Day Environmental Inc. on May 7, 2010. Analyses were performed per specification on the Chain of Custody form. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the client sample ID and the laboratory sample ID.

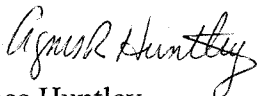
Percent recoveries for surrogate standards for volatiles analysis were within the QC limits. The recoveries for the volatile laboratory control samples were within the QC limits with the exception of marginally high recovery of acetone and marginally low recovery of iodomethane in LCS-51421. Chloroform and naphthalene were detected in method blank MB-51519 at a concentration above the MDL but below the reporting limits. Chloroform and naphthalene will be flagged with "B" on data reporting forms if they are detected in the associated samples. No other unusual observations were made during sample analysis.

Percent recoveries for surrogate standards for semivolatiles analysis were within the QC limits with the marginally low recovery of nitrobenzene-d5 in sample MW10-2(8'-9.5') and marginally high recovery of 2-fluorophenol in method blank MB-51450. The recoveries for semivolatile laboratory control samples were within the QC limits. No other unusual observations were made during sample analysis.

Spike recoveries for the laboratory control sample for metals were within the QC limits. No other unusual observations were made during sample analysis.

The pages in this report have been numbered consecutively, which starts with the title page and ends with the page labeled as "Last Page of data Report".

This data report has been reviewed and is authorized for release as evidenced by the signature below.



Agnes Huntley
CLP Project Manager

Mitkem Laboratories

Date: 20-May-10

Client: Day Environmental Inc.

Client Sample ID: MW10-2 (5.5'-6')

Lab ID: J0944-04

Project: 151 Mt. Hope Ave.

Collection Date: 05/05/10 11:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS							SW8260_LOW_S
Dichlorodifluoromethane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Chloromethane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Vinyl chloride	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Bromomethane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Chloroethane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Trichlorofluoromethane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,1-Dichloroethene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Acetone	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Iodomethane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Carbon disulfide	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Methylene chloride	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
trans-1,2-Dichloroethene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Methyl tert-butyl ether	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,1-Dichloroethane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Vinyl acetate	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
2-Butanone	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
cis-1,2-Dichloroethene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
2,2-Dichloropropane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Bromochloromethane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Chloroform	1.3	BJ	5.9	µg/Kg		1 05/13/2010 11:45	51519
1,1,1-Trichloroethane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,1-Dichloropropene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Carbon tetrachloride	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,2-Dichloroethane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Benzene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Trichloroethene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,2-Dichloropropane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Dibromomethane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Bromodichloromethane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
cis-1,3-Dichloropropene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
4-Methyl-2-pentanone	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Toluene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
trans-1,3-Dichloropropene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,1,2-Trichloroethane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,3-Dichloropropane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Tetrachloroethene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
2-Hexanone	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Dibromochloromethane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,2-Dibromoethane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 20-May-10

Client: Day Environmental Inc.

Client Sample ID: MW10-2 (5.5'-6')

Lab ID: J0944-04

Project: 151 Mt. Hope Ave.

Collection Date: 05/05/10 11:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS							SW8260_LOW_S
Chlorobenzene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,1,1,2-Tetrachloroethane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Ethylbenzene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
m,p-Xylene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
o-Xylene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Xylene (Total)	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Styrene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Bromoform	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Isopropylbenzene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,1,2,2-Tetrachloroethane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Bromobenzene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,2,3-Trichloropropane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
n-Propylbenzene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
2-Chlorotoluene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,3,5-Trimethylbenzene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
4-Chlorotoluene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
tert-Butylbenzene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,2,4-Trimethylbenzene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
sec-Butylbenzene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
4-Isopropyltoluene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,3-Dichlorobenzene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,4-Dichlorobenzene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
n-Butylbenzene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,2-Dichlorobenzene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,2-Dibromo-3-chloropropane	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,2,4-Trichlorobenzene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Hexachlorobutadiene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
1,2,3-Trichlorobenzene	ND		5.9	µg/Kg		1 05/13/2010 11:45	51519
Naphthalene		10 B	5.9	µg/Kg		1 05/13/2010 11:45	51519
Surrogate: Dibromofluoromethane		109	65-132	%REC		1 05/13/2010 11:45	51519
Surrogate: 1,2-Dichloroethane-d4		95.5	65-128	%REC		1 05/13/2010 11:45	51519
Surrogate: Toluene-d8		97.0	85-115	%REC		1 05/13/2010 11:45	51519
Surrogate: Bromofluorobenzene		95.6	77-111	%REC		1 05/13/2010 11:45	51519

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 20-May-10

Client: Day Environmental Inc.

Client Sample ID: TB050610

Lab ID: J0944-08

Project: 151 Mt. Hope Ave.

Collection Date: 05/06/10 0:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS							SW8260_W
Dichlorodifluoromethane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Chloromethane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Vinyl chloride	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Bromomethane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Chloroethane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Trichlorofluoromethane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,1-Dichloroethene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Acetone	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Iodomethane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Carbon disulfide	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Methylene chloride	ND		5.0	µg/L	1	05/10/2010 16:50	51421
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Methyl tert-butyl ether	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,1-Dichloroethane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Vinyl acetate	ND		5.0	µg/L	1	05/10/2010 16:50	51421
2-Butanone	ND		5.0	µg/L	1	05/10/2010 16:50	51421
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
2,2-Dichloropropane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Bromochloromethane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Chloroform	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,1,1-Trichloroethane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,1-Dichloropropene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Carbon tetrachloride	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,2-Dichloroethane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Benzene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Trichloroethene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,2-Dichloropropane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Dibromomethane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Bromodichloromethane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
4-Methyl-2-pentanone	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Toluene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,1,2-Trichloroethane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,3-Dichloropropane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Tetrachloroethene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
2-Hexanone	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Dibromochloromethane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,2-Dibromoethane	ND		5.0	µg/L	1	05/10/2010 16:50	51421

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 20-May-10

Client: Day Environmental Inc.

Client Sample ID: TB050610

Lab ID: J0944-08

Project: 151 Mt. Hope Ave.

Collection Date: 05/06/10 0:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS							SW8260_W
Chlorobenzene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Ethylbenzene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
m,p-Xylene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
o-Xylene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Xylene (Total)	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Styrene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Bromoform	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Isopropylbenzene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Bromobenzene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,2,3-Trichloropropane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
n-Propylbenzene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
2-Chlorotoluene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
4-Chlorotoluene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
tert-Butylbenzene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
sec-Butylbenzene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
4-Isopropyltoluene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,3-Dichlorobenzene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,4-Dichlorobenzene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
n-Butylbenzene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,2-Dichlorobenzene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,2-Dibromo-3-chloropropane	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Hexachlorobutadiene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Naphthalene	ND		5.0	µg/L	1	05/10/2010 16:50	51421
Surrogate: Dibromofluoromethane	97.5		85-115	%REC	1	05/10/2010 16:50	51421
Surrogate: 1,2-Dichloroethane-d4	98.1		70-120	%REC	1	05/10/2010 16:50	51421
Surrogate: Toluene-d8	100		85-120	%REC	1	05/10/2010 16:50	51421
Surrogate: Bromofluorobenzene	93.2		75-120	%REC	1	05/10/2010 16:50	51421

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.

Work Order: J0944

SW8260 LOW_S

Project: 151 Mt. Hope Ave.

SW846 8260 -- VOC by GC-MS

Sample ID:	MB-51519	SampType:	MBLK	TestCode:	SW8260_LOW_S	Run ID:	V6_100513C
Client ID:	MB-51519	Batch ID:	51519	Units:	µg/Kg	Prep Date:	05/13/10 8:57
Analysis Date:	05/13/10 10:45	SeqNo:	1288676	SPK Ref Val	%REC	LowLimit	HighLimit
Analyte	Result	MDL	PQL	SPK value	%RPD	RPD Limit	Qual
Dichlorodifluoromethane	ND	3.6	5.0				
Chloromethane	ND	0.74	5.0				
Vinyl chloride	ND	1.0	5.0				
Bromomethane	ND	1.4	5.0				
Chloroethane	ND	1.7	5.0				
Trichlorofluoromethane	ND	2.6	5.0				
1,1-Dichloroethene	ND	0.98	5.0				
Acetone	ND	3.5	5.0				
Iodomethane	ND	1.0	5.0				
Carbon disulfide	ND	0.66	5.0				
Methylene chloride	ND	0.64	5.0				
trans-1,2-Dichloroethene	ND	1.1	5.0				
Methyl tert-butyl ether	ND	0.77	5.0				
1,1-Dichloroethane	ND	0.94	5.0				
Vinyl acetate	ND	0.58	5.0				
2-Butanone	ND	2.8	5.0				
cis-1,2-Dichloroethene	ND	1.2	5.0				
2,2-Dichloropropane	ND	0.68	5.0				
Bromo-chloromethane	ND	1.5	5.0				
Chloroform	2.193	0.82	5.0				J
1,1,1-Trichloroethane	ND	0.76	5.0				
1,1-Dichloropropene	ND	1.6	5.0				
Carbon tetrachloride	ND	1.1	5.0				
1,2-Dichloroethane	ND	0.90	5.0				
Benzene	ND	0.86	5.0				
Trichloroethene	ND	0.77	5.0				
1,2-Dichloropropane	ND	1.2	5.0				
Dibromomethane	ND	1.5	5.0				
Bromodichloromethane	ND	1.1	5.0				
cis-1,3-Dichloropropene	ND	0.62	5.0				
4-Methyl-2-pentanone	ND	0.86	5.0				
Toluene	ND	0.54	5.0				
trans-1,3-Dichloropropene	ND	1.0	5.0				
1,2-Trichloroethane	ND	0.66	5.0				
3-Dichloropropane	ND	1.2	5.0				
Tetrachloroethene	ND	1.2	5.0				

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
 Work Order: J0944
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT

SW8260 LOW_S
 SW846 8260 -- VOC by GC-MS

Sample ID: MB-51519 Prep Date: 05/13/10 8:57 Run ID: V6_100513C
 Client ID: MB-51519 Analysis Date: 05/13/10 10:45 SeqNo: 1288676

TestCode: SW8260_LOW_S
 Units: µg/Kg

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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2-Hexanone	ND	1.2	5.0									
Dibromochloromethane	ND	0.77	5.0									
1,2-Dibromoethane	ND	1.5	5.0									
Chlorobenzene	ND	0.96	5.0									
1,1,1,2-Tetrachloroethane	ND	1.2	5.0									
Ethylbenzene	ND	1.2	5.0									
m,p-Xylene	ND	1.7	5.0									
o-Xylene	ND	1.1	5.0									
Xylene (Total)	ND	1.1	5.0									
Styrene	ND	1.1	5.0									
Bromoform	ND	1.4	5.0									
Isopropylbenzene	ND	1.6	5.0									
1,1,2,2-Tetrachloroethane	ND	1.1	5.0									
Bromobenzene	ND	0.87	5.0									
1,2,3-Trichloropropane	ND	0.95	5.0									
n-Propylbenzene	ND	2.0	5.0									
2-Chlorotoluene	ND	1.3	5.0									
1,3,5-Trimethylbenzene	ND	1.5	5.0									
4-Chlorotoluene	ND	1.7	5.0									
tert-Butylbenzene	ND	2.0	5.0									
1,2,4-Trimethylbenzene	ND	1.3	5.0									
sec-Butylbenzene	ND	1.7	5.0									
4-Isopropyltoluene	ND	1.9	5.0									
1,3-Dichlorobenzene	ND	1.4	5.0									
1,4-Dichlorobenzene	ND	0.67	5.0									
n-Butylbenzene	ND	1.6	5.0									
1,2-Dichlorobenzene	ND	0.99	5.0									
1,2-Dibromo-3-chloropropane	ND	1.7	5.0									
1,2,4-Trichlorobenzene	ND	1.4	5.0									
Hexachlorobutadiene	ND	1.6	5.0									
1,2,3-Trichlorobenzene	ND	0.92	5.0									
Naphthalene	1.894	0.60	5.0									J
Surrogate:	53.13	0	5.0	50.00	0	106	65	132	0			
Dibromofluoromethane												
Surrogate: 1,2-Dichloroethane-d4	51.16	0	5.0	50.00	0	102	65	128	0			
Surrogate: Toluene-d8	50.11	0	5.0	50.00	0	100	85	115	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.

Work Order: J0944

Project: 151 Mt. Hope Ave.

SW8260_LOW_S

SW846 8260 -- VOC by GC-MS

Sample ID: MB-51519	MBLK	Sample Type: MBLK	Test Code: SW8260_LOW_S	Prep Date: 05/13/10 8:57	Run ID: V6_100513C						
Client ID: MB-51519	51519	Batch ID: 51519	Units: µg/Kg	Analysis Date: 05/13/10 10:45	SeqNo: 1288676						
Analyte	Result	MDL	PQL	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surrogate:	38.41	0	5.0	0	76.8	77	111	0		0	S

Bromofluorobenzene

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Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Day Environmental Inc.
 Work Order: J0944
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT

SW8260_LOW_S
 SW846 8260 -- VOC by GC-MS

Sample ID: LCS-51519	SampType: LCS	TestCode: SW8260_LOW_S	Prep Date: 05/13/10 8:57	Run ID: V6_100513C								
Client ID: LCS-51519	Batch ID: 51519	Units: µg/Kg	Analysis Date: 05/13/10 9:15	SeqNo: 1288674								
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	34.66	3.6	5.0	50.00	0	69.3	35	135	0			
Chloromethane	38.86	0.74	5.0	50.00	0	77.7	50	130	0			
Vinyl chloride	46.37	1.0	5.0	50.00	0	92.7	60	125	0			
Bromomethane	52.52	1.4	5.0	50.00	0	105	30	160	0			
Chloroethane	49.98	1.7	5.0	50.00	0	100	40	155	0			
Trichlorofluoromethane	55.15	2.6	5.0	50.00	0	110	25	185	0			
1,1-Dichloroethene	54.49	0.98	5.0	50.00	0	109	65	135	0			
Acetone	60.50	3.5	5.0	50.00	0	121	20	160	0			
Iodomethane	47.68	1.0	5.0	50.00	0	95.4	70	126	0			
Carbon disulfide	44.74	0.66	5.0	50.00	0	89.5	45	160	0			
Methylene chloride	50.32	0.64	5.0	50.00	0	101	55	140	0			
trans-1,2-Dichloroethene	49.66	1.1	5.0	50.00	0	99.3	65	135	0			
Methyl tert-butyl ether	41.27	0.77	5.0	50.00	0	82.5	75	126	0			
1,1-Dichloroethane	47.46	0.94	5.0	50.00	0	94.9	75	125	0			
Vinyl acetate	35.67	0.58	5.0	50.00	0	71.3	65	138	0			
2-Butanone	50.28	2.8	5.0	50.00	0	101	30	160	0			
cis-1,2-Dichloroethene	47.50	1.2	5.0	50.00	0	95.0	65	125	0			
2,2-Dichloropropane	59.91	0.68	5.0	50.00	0	120	65	135	0			
Bromochloromethane	47.41	1.5	5.0	50.00	0	94.8	70	125	0			
Chloroform	52.76	0.82	5.0	50.00	0	106	70	125	0			
1,1,1-Trichloroethane	58.28	0.76	5.0	50.00	0	117	70	135	0			
1,1-Dichloropropene	57.50	1.6	5.0	50.00	0	115	70	135	0			
Carbon tetrachloride	58.32	1.1	5.0	50.00	0	117	65	135	0			
1,2-Dichloroethane	55.10	0.90	5.0	50.00	0	110	70	135	0			
Benzene	46.05	0.86	5.0	50.00	0	92.1	75	125	0			
Trichloroethene	50.65	0.77	5.0	50.00	0	101	75	125	0			
1,2-Dichloropropane	43.81	1.2	5.0	50.00	0	87.6	70	120	0			
Dibromomethane	46.37	1.5	5.0	50.00	0	92.7	75	130	0			
Bromodichloromethane	51.63	1.1	5.0	50.00	0	103	70	130	0			
cis-1,3-Dichloropropene	47.96	0.62	5.0	50.00	0	95.9	70	125	0			
4-Methyl-2-pentanone	38.51	0.86	5.0	50.00	0	77.0	45	145	0			
Toluene	46.72	0.54	5.0	50.00	0	93.4	70	125	0			
trans-1,3-Dichloropropene	50.63	1.0	5.0	50.00	0	101	65	125	0			
1,1,2-Trichloroethane	44.08	0.66	5.0	50.00	0	88.2	60	125	0			
1,3-Dichloropropane	49.52	1.2	5.0	50.00	0	99.0	75	125	0			
Tetrachloroethene	54.59	1.2	5.0	50.00	0	109	65	140	0			
1,2-Hexanone	45.39	1.2	5.0	50.00	0	90.8	45	145	0			

Qualifiers: ND - Not Detected at the Reporting Limit
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits

ANALYTICAL QC SUMMARY REPORT

SW8260 LOW_S

SW846 8260 -- VOC by GC-MS

CLIENT: Day Environmental Inc.
 Work Order: J0944
 Project: 151 Mt. Hope Ave.

Sample ID: LCS-51519 SampType: LCS TestCode: SW8260_LOW_S Run ID: V6_100513C
 Client ID: LCS-51519 Batch ID: 51519 Units: µg/Kg Analysis Date: 05/13/10 9:15 SeqNo: 1288674
 Prep Date: 05/13/10 8:57

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	52.52	0.77	5.0	50.00	0	105	65	130	0			
1,2-Dibromoethane	48.10	1.5	5.0	50.00	0	96.2	70	125	0			
Chlorobenzene	50.89	0.96	5.0	50.00	0	102	75	125	0			
1,1,1,2-Tetrachloroethane	54.23	1.2	5.0	50.00	0	108	75	125	0			
Ethylbenzene	52.29	1.2	5.0	50.00	0	105	75	125	0			
m,p-Xylene	105.2	1.7	5.0	100.0	0	105	80	125	0			
o-Xylene	54.01	1.1	5.0	50.00	0	108	75	125	0			
Xylene (Total)	159.2	1.1	5.0	150.0	0	106	83	125	0			
Styrene	52.81	1.1	5.0	50.00	0	106	75	125	0			
Bromoforn	50.72	1.4	5.0	50.00	0	101	55	135	0			
Isopropylbenzene	54.72	1.6	5.0	50.00	0	109	75	130	0			
1,1,2,2-Tetrachloroethane	40.93	1.1	5.0	50.00	0	81.9	55	130	0			
Bromobenzene	49.12	0.87	5.0	50.00	0	98.2	65	120	0			
1,2,3-Trichloropropane	41.73	0.95	5.0	50.00	0	83.5	65	130	0			
n-Propylbenzene	49.97	2.0	5.0	50.00	0	99.9	65	135	0			
2-Chlorotoluene	48.83	1.3	5.0	50.00	0	97.7	70	130	0			
1,3,5-Trimethylbenzene	51.40	1.5	5.0	50.00	0	103	65	135	0			
4-Chlorotoluene	48.61	1.7	5.0	50.00	0	97.2	75	125	0			
tert-Butylbenzene	49.39	2.0	5.0	50.00	0	98.8	65	130	0			
1,2,4-Trimethylbenzene	50.61	1.3	5.0	50.00	0	101	65	135	0			
sec-Butylbenzene	48.32	1.7	5.0	50.00	0	96.6	65	130	0			
4-Isopropyltoluene	50.36	1.9	5.0	50.00	0	101	75	135	0			
1,3-Dichlorobenzene	48.27	1.4	5.0	50.00	0	96.5	70	125	0			
1,4-Dichlorobenzene	45.98	0.67	5.0	50.00	0	92.0	70	125	0			
n-Butylbenzene	46.83	1.6	5.0	50.00	0	93.7	65	140	0			
1,2-Dichlorobenzene	47.86	0.99	5.0	50.00	0	95.7	75	120	0			
1,2-Dibromo-3-chloropropane	44.40	1.7	5.0	50.00	0	88.8	40	135	0			
1,2,4-Trichlorobenzene	40.43	1.4	5.0	50.00	0	80.9	65	130	0			
Hexachlorobutadiene	50.93	1.6	5.0	50.00	0	102	55	140	0			
1,2,3-Trichlorobenzene	40.63	0.92	5.0	50.00	0	81.3	60	135	0			
Naphthalene	39.16	0.60	5.0	50.00	0	78.3	40	125	0			B
Surrogate:	52.26	0	5.0	50.00	0	105	65	132	0			
Dibromofluoromethane	51.62	0	5.0	50.00	0	103	65	128	0			
Surrogate: 1,2-Dichloroethane-d4	51.04	0	5.0	50.00	0	102	85	115	0			
Surrogate: Toluene-d8	51.33	0	5.0	50.00	0	103	77	111	0			
Surrogate: Bromofluorobenzene												

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
 Work Order: J0944
 Project: 1.51 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
SW8260_LOW_S
SW846 8260 -- VOC by GC-MS

Sample ID: LCSD-51519 SampType: LCSD TestCode: SW8260_LOW_S Prep Date: 05/13/10 8:57 Run ID: V6_100513C
 Client ID: LCSD-51519 Batch ID: 51519 Units: µg/Kg Analysis Date: 05/13/10 9:45 SeqNo: 1288675

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPD Limit	Qual
Dichlorodifluoromethane	37.34	3.6	5.0	50.00	0	74.7	35	135	34.66	7.46	40	
Chloromethane	39.20	0.74	5.0	50.00	0	78.4	50	130	38.86	0.869	40	
Vinyl chloride	47.84	1.0	5.0	50.00	0	95.7	60	125	46.37	3.11	40	
Bromomethane	54.98	1.4	5.0	50.00	0	110	30	160	52.52	4.58	40	
Chloroethane	52.61	1.7	5.0	50.00	0	105	40	155	49.98	5.13	40	
Trichlorofluoromethane	56.84	2.6	5.0	50.00	0	114	25	185	55.15	3.02	40	
1,1-Dichloroethane	54.67	0.98	5.0	50.00	0	109	65	135	54.49	0.334	40	
Acetone	61.51	3.5	5.0	50.00	0	123	20	160	60.50	1.65	40	
Iodomethane	51.09	1.0	5.0	50.00	0	102	70	126	47.68	6.9	40	
Carbon disulfide	45.54	0.66	5.0	50.00	0	91.1	45	160	44.74	1.79	40	
Methylene chloride	54.02	0.64	5.0	50.00	0	108	55	140	50.32	7.1	40	
trans-1,2-Dichloroethene	50.66	1.1	5.0	50.00	0	101	65	135	49.66	1.99	40	
Methyl tert-butyl ether	44.66	0.77	5.0	50.00	0	89.3	75	126	41.27	7.88	40	
1,1-Dichloroethane	48.76	0.94	5.0	50.00	0	97.5	75	125	47.46	2.71	40	
Vinyl acetate	39.04	0.58	5.0	50.00	0	78.1	65	138	35.67	9.02	40	
2-Butanone	55.16	2.8	5.0	50.00	0	110	30	160	50.28	9.25	40	
cis-1,2-Dichloroethene	49.23	1.2	5.0	50.00	0	98.5	65	125	47.50	3.59	40	
2,2-Dichloropropane	62.56	0.68	5.0	50.00	0	125	65	135	59.91	4.32	40	
Bromo-chloromethane	50.75	1.5	5.0	50.00	0	102	70	125	47.41	6.82	40	
Chloroform	54.24	0.82	5.0	50.00	0	108	70	125	52.76	2.75	40	
1,1,1-Trichloroethane	59.68	0.76	5.0	50.00	0	119	70	135	58.28	2.39	40	
1,1-Dichloropropane	59.83	1.6	5.0	50.00	0	120	70	135	57.50	3.98	40	
Carbon tetrachloride	62.90	1.1	5.0	50.00	0	126	65	135	58.32	7.57	40	
1,2-Dichloroethane	60.75	0.90	5.0	50.00	0	121	70	135	55.10	9.76	40	
Benzene	48.63	0.86	5.0	50.00	0	97.3	75	125	46.05	5.45	40	
Trichloroethene	52.93	0.77	5.0	50.00	0	106	75	125	50.65	4.39	40	
1,2-Dichloropropane	46.33	1.2	5.0	50.00	0	92.7	70	120	43.81	5.59	40	
Dibromomethane	51.35	1.5	5.0	50.00	0	103	75	130	46.37	10.2	40	
Bromodichloromethane	56.05	1.1	5.0	50.00	0	112	70	130	51.63	8.21	40	
cis-1,3-Dichloropropene	53.52	0.62	5.0	50.00	0	107	70	125	47.96	11	40	
4-Methyl-2-pentanone	43.65	0.86	5.0	50.00	0	87.3	45	145	38.51	12.5	40	
Toluene	49.41	0.54	5.0	50.00	0	98.8	70	125	46.72	5.58	40	
trans-1,3-Dichloropropene	56.69	1.0	5.0	50.00	0	113	65	125	50.63	11.3	40	
1,1,2-Trichloroethane	48.94	0.66	5.0	50.00	0	97.9	60	125	44.08	10.4	40	
1,3-Dichloropropane	54.87	1.2	5.0	50.00	0	110	75	125	49.52	10.2	40	
Tetrachloroethene	59.35	1.2	5.0	50.00	0	119	65	140	54.59	8.35	40	
1,2-Hexanone	49.37	1.2	5.0	50.00	0	98.7	45	145	45.39	8.39	40	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

SW8260_LOW_S
SW846 8260 -- VOC by GC-MS

CLIENT: Day Environmental Inc.
Work Order: J0944
Project: 151 Mt. Hope Ave.

Sample ID: LCSD-51519 **SampType:** LCSD **TestCode:** SW8260_LOW_S **Run ID:** V6_100513C
Client ID: LCSD-51519 **Batch ID:** 51519 **Units:** µg/Kg **Prep Date:** 05/13/10 8:57 **SeqNo:** 1288675
Analysis Date: 05/13/10 9:45

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	58.12	0.77	5.0	50.00	0	116	65	130	52.52	10.1	40	
1,2-Dibromoethane	53.09	1.5	5.0	50.00	0	106	70	125	48.10	9.86	40	
Chlorobenzene	56.88	0.96	5.0	50.00	0	114	75	125	50.89	11.1	40	
1,1,1,2-Tetrachloroethane	60.60	1.2	5.0	50.00	0	121	75	125	54.23	11.1	40	
Ethylbenzene	58.25	1.2	5.0	50.00	0	117	75	125	52.29	10.8	40	
m,p-Xylene	117.6	1.7	5.0	100.0	0	118	80	125	105.2	11.1	40	
o-Xylene	60.91	1.1	5.0	50.00	0	122	75	125	54.01	12	40	
Xylene (Total)	178.5	1.1	5.0	150.0	0	119	83	125	159.2	11.4	40	
Styrene	60.02	1.1	5.0	50.00	0	120	75	125	52.81	12.8	40	
Bromoforn	57.51	1.4	5.0	50.00	0	115	55	135	50.72	12.5	40	
Isopropylbenzene	61.87	1.6	5.0	50.00	0	124	75	130	54.72	12.3	40	
1,1,2,2-Tetrachloroethane	44.62	1.1	5.0	50.00	0	89.2	55	130	40.93	8.63	40	
Bromobenzene	53.78	0.87	5.0	50.00	0	108	65	120	49.12	9.05	40	
1,2,3-Trichloropropane	37.80	0.95	5.0	50.00	0	75.6	65	130	41.73	9.87	40	
n-Propylbenzene	55.35	2.0	5.0	50.00	0	111	65	135	49.97	10.2	40	
2-Chlorotoluene	53.53	1.3	5.0	50.00	0	107	70	130	48.83	9.19	40	
1,3,5-Trimethylbenzene	57.08	1.5	5.0	50.00	0	114	65	135	51.40	10.5	40	
4-Chlorotoluene	54.07	1.7	5.0	50.00	0	108	75	125	48.61	10.6	40	
tert-Butylbenzene	55.36	2.0	5.0	50.00	0	111	65	130	49.39	11.4	40	
1,2,4-Trimethylbenzene	56.98	1.3	5.0	50.00	0	114	65	135	50.61	11.8	40	
sec-Butylbenzene	56.40	1.7	5.0	50.00	0	113	65	130	48.32	15.4	40	
4-Isopropyltoluene	57.88	1.9	5.0	50.00	0	116	75	135	50.36	13.9	40	
1,3-Dichlorobenzene	54.47	1.4	5.0	50.00	0	109	70	125	48.27	12.1	40	
1,4-Dichlorobenzene	52.79	0.67	5.0	50.00	0	106	70	125	45.98	13.8	40	
n-Butylbenzene	54.57	1.6	5.0	50.00	0	109	65	140	46.83	15.3	40	
1,2-Dichlorobenzene	54.18	0.99	5.0	50.00	0	108	75	120	47.86	12.4	40	
1,2-Dibromo-3-chloropropane	49.84	1.7	5.0	50.00	0	99.7	40	135	44.40	11.5	40	
1,2,4-Trichlorobenzene	49.69	1.4	5.0	50.00	0	99.4	65	130	40.43	20.6	40	
Hexachlorobutadiene	58.32	1.6	5.0	50.00	0	117	55	140	50.93	13.5	40	
1,2,3-Trichlorobenzene	48.73	0.92	5.0	50.00	0	97.5	60	135	40.63	18.1	40	
Naphthalene	47.64	0.60	5.0	50.00	0	95.3	40	125	39.16	19.5	40	B
Surrogate:	53.30	0	5.0	50.00	0	107	65	132	0	0	40	
Dibromofluoromethane	52.35	0	5.0	50.00	0	105	65	128	0	0	40	
Surrogate: 1,2-Dichloroethane-d4	51.76	0	5.0	50.00	0	104	85	115	0	0	40	
Surrogate: Toluene-d8	51.31	0	5.0	50.00	0	103	77	111	0	0	40	
Surrogate: Bromofluorobenzene												

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

mLIMS-002

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
Work Order: J0944
Project: 151 Mt. Hope Ave.

SW8260_W
SW846 8260 -- VOC by GC-MS

Sample ID: MB-51421	SampType: MBLK	TestCode: SW8260_W	Run ID: V1_100510A
Client ID: MB-51421	Batch ID: 51421	Units: µg/L	SeqNo: 1281732
Prep Date: 05/10/10 11:29		Analysis Date: 05/10/10 13:07	
SPK Ref Val		%REC LowLimit HighLimit	
RPD Ref Val		%RPD RPDLimit	

Analyte	Result	MDL	PQL	SPK value	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	0.47	5.0								
Chloromethane	ND	0.54	5.0								
Vinyl chloride	ND	0.78	5.0								
Bromomethane	ND	0.74	5.0								
Chloroethane	ND	0.89	5.0								
Trichlorofluoromethane	ND	0.60	5.0								
1,1-Dichloroethene	ND	0.64	5.0								
Acetone	ND	4.6	5.0								
Iodomethane	ND	0.37	5.0								
Carbon disulfide	ND	0.34	5.0								
Methylene chloride	ND	0.83	5.0								
trans-1,2-Dichloroethene	ND	0.37	5.0								
Methyl tert-butyl ether	ND	0.25	5.0								
Methyl-1,2-Dichloroethane	ND	0.24	5.0								
1,1-Dichloroethane	ND	0.43	5.0								
Vinyl acetate	ND	2.0	5.0								
2-Butanone	ND	0.34	5.0								
cis-1,2-Dichloroethene	ND	0.22	5.0								
2,2-Dichloropropane	ND	0.30	5.0								
Bromochloromethane	ND	0.30	5.0								
Chloroform	ND	0.18	5.0								
1,1,1-Trichloroethane	ND	0.38	5.0								
1,1-Dichloropropene	ND	0.11	5.0								
Carbon tetrachloride	ND	0.16	5.0								
1,2-Dichloroethane	ND	0.12	5.0								
Benzene	ND	0.25	5.0								
Trichloroethene	ND	0.24	5.0								
1,2-Dichloropropane	ND	0.26	5.0								
Dibromomethane	ND	0.20	5.0								
Bromodichloromethane	ND	0.22	5.0								
cis-1,3-Dichloropropene	ND	1.5	5.0								
4-Methyl-2-pentanone	ND	0.15	5.0								
Toluene	ND	0.27	5.0								
trans-1,3-Dichloropropene	ND	0.29	5.0								
1,1,2-Trichloroethane	ND	0.26	5.0								
1,1,2,3-Dichloropropane	ND	0.27	5.0								
Tetrachloroethene	ND	0.27	5.0								
1,2-Hexanone	ND	1.1	5.0								

Qualifiers: ND - Not Detected at the Reporting Limit
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 mLIMS-002

CLIENT: Day Environmental Inc.
 Work Order: J0944
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
 SW8260_W
 SW846 8260 -- VOC by GC-MS

Sample ID: MB-51421 SampType: MBLK TestCode: SW8260_W Run ID: V1_100510A
 Client ID: MB-51421 Batch ID: 51421 Units: µg/L Analysis Date: 05/10/10 13:07 SeqNo: 1281732
 Prep Date: 05/10/10 11:29

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	0.20	5.0									
1,2-Dibromoethane	ND	0.31	5.0									
Chlorobenzene	ND	0.23	5.0									
1,1,1,2-Tetrachloroethane	ND	0.28	5.0									
Ethylbenzene	ND	0.23	5.0									
m,p-Xylene	ND	0.40	5.0									
o-Xylene	ND	0.26	5.0									
Xylene (Total)	ND	0.26	5.0									
Styrene	ND	0.16	5.0									
Bromoform	ND	0.44	5.0									
Isopropylbenzene	ND	0.20	5.0									
1,1,2,2-Tetrachloroethane	ND	0.23	5.0									
Bromobenzene	ND	0.37	5.0									
1,2,3-Trichloropropane	ND	0.72	5.0									
n-Propylbenzene	ND	0.20	5.0									
2-Chlorotoluene	ND	0.30	5.0									
1,3,5-Trimethylbenzene	ND	0.12	5.0									
4-Chlorotoluene	ND	0.43	5.0									
tert-Butylbenzene	ND	0.24	5.0									
1,2,4-Trimethylbenzene	ND	0.15	5.0									
sec-Butylbenzene	ND	0.19	5.0									
4-Isopropyltoluene	ND	0.17	5.0									
1,3-Dichlorobenzene	ND	0.19	5.0									
1,4-Dichlorobenzene	ND	0.24	5.0									
n-Butylbenzene	ND	0.27	5.0									
1,2-Dichlorobenzene	ND	0.24	5.0									
1,2-Dibromo-3-chloropropane	ND	0.35	5.0									
1,2,4-Trichlorobenzene	ND	0.39	5.0									
Hexachlorobutadiene	ND	0.41	5.0									
1,2,3-Trichlorobenzene	ND	0.45	5.0									
Naphthalene	ND	0.15	5.0									
Surrogate:	46.69	0	5.0	50.00	0	93.4	85	115	0			
Dibromofluoromethane												
Surrogate: 1,2-Dichloroethane-d4	49.77	0	5.0	50.00	0	99.5	70	120	0			
Surrogate: Toluene-d8	51.96	0	5.0	50.00	0	104	85	120	0			
Surrogate:	46.87	0	5.0	50.00	0	93.7	75	120	0			
Bromofluorobenzene												

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
 Work Order: J0944
 Project: 1.51 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
 SW8260_W
 SW846 8260 -- VOC by GC-MS

Sample ID: LCS-51421	SampType: LCS	TestCode: SW8260_W	Prep Date: 05/10/10 11:29	Run ID: V1_100510A								
Client ID: LCS-51421	Batch ID: 51421	Units: µg/L	Analysis Date: 05/10/10 11:46	SeqNo: 1281730								
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	32.09	0.47	5.0	50.00	0	64.2	30	155	0			
Chloromethane	39.04	0.54	5.0	50.00	0	78.1	40	125	0			
Vinyl chloride	39.16	0.78	5.0	50.00	0	78.3	50	145	0			
Bromomethane	42.14	0.74	5.0	50.00	0	84.3	30	145	0			
Chloroethane	42.20	0.89	5.0	50.00	0	84.4	60	135	0			
Trichlorofluoromethane	39.38	0.60	5.0	50.00	0	78.8	60	145	0			
1,1-Dichloroethene	37.29	0.64	5.0	50.00	0	74.6	70	130	0			
Acetone	70.84	4.6	5.0	50.00	0	142	40	140	0			S
Iodomethane	35.11	0.37	5.0	50.00	0	70.2	72	121	0			
Carbon disulfide	34.65	0.34	5.0	50.00	0	69.3	35	160	0			
Methylene chloride	40.92	0.83	5.0	50.00	0	81.8	55	140	0			
trans-1,2-Dichloroethene	39.04	0.37	5.0	50.00	0	78.1	60	140	0			
Methyl tert-butyl ether	39.97	0.25	5.0	50.00	0	79.9	65	125	0			
1,1-Dichloroethane	39.25	0.24	5.0	50.00	0	78.5	70	135	0			
Vinyl acetate	44.82	0.43	5.0	50.00	0	89.6	38	163	0			
2-Butanone	60.52	2.0	5.0	50.00	0	121	30	150	0			
cis-1,2-Dichloroethene	39.02	0.34	5.0	50.00	0	78.0	70	125	0			
2,2-Dichloropropane	40.82	0.22	5.0	50.00	0	81.6	70	135	0			
Bromochloromethane	39.01	0.30	5.0	50.00	0	78.0	65	130	0			
Chloroform	38.21	0.30	5.0	50.00	0	76.4	65	135	0			
1,1,1-Trichloroethane	36.58	0.18	5.0	50.00	0	73.2	65	130	0			
1,1-Dichloropropene	40.36	0.38	5.0	50.00	0	80.7	75	130	0			
Carbon tetrachloride	38.46	0.11	5.0	50.00	0	76.9	65	140	0			
1,2-Dichloroethane	44.01	0.16	5.0	50.00	0	88.0	70	130	0			
Benzene	42.00	0.12	5.0	50.00	0	84.0	80	120	0			
Trichloroethene	39.92	0.25	5.0	50.00	0	79.8	70	125	0			
1,2-Dichloropropane	44.12	0.24	5.0	50.00	0	88.2	75	125	0			
Dibromomethane	42.15	0.26	5.0	50.00	0	84.3	75	125	0			
Bromodichloromethane	44.44	0.20	5.0	50.00	0	88.9	75	120	0			
cis-1,3-Dichloropropene	44.34	0.22	5.0	50.00	0	88.7	70	130	0			
4-Methyl-2-pentanone	49.46	1.5	5.0	50.00	0	98.9	60	135	0			
Toluene	42.34	0.15	5.0	50.00	0	84.7	75	120	0			
trans-1,3-Dichloropropene	46.12	0.27	5.0	50.00	0	92.2	55	140	0			
1,1,2-Trichloroethane	43.88	0.29	5.0	50.00	0	87.8	75	125	0			
1,3-Dichloropropane	48.91	0.26	5.0	50.00	0	97.8	75	125	0			
Tetrachloroethene	40.85	0.27	5.0	50.00	0	81.7	45	150	0			
2-Hexanone	60.00	1.1	5.0	50.00	0	120	55	130	0			

Qualifiers: ND - Not Detected at the Reporting Limit
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 mlLIMS-002
 J - Analyte detected below quantitation limits

CLIENT: Day Environmental Inc.
 Work Order: J0944
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
SW8260_W
SW846 8260 -- VOC by GC-MS

Sample ID: LCS-51421 SampType: LCS TestCode: SW8260_W Run ID: V1_100510A
 Client ID: LCS-51421 Batch ID: 51421 Units: µg/L Analysis Date: 05/10/10 11:46 SeqNo: 1281730
 Prep Date: 05/10/10 11:29

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	46.75	0.20	5.0	50.00	0	93.5	60	135	0			
1,2-Dibromoethane	49.83	0.31	5.0	50.00	0	99.7	80	120	0			
Chlorobenzene	43.76	0.23	5.0	50.00	0	87.5	80	120	0			
1,1,1,2-Tetrachloroethane	44.38	0.28	5.0	50.00	0	88.8	80	130	0			
Ethylbenzene	44.15	0.23	5.0	50.00	0	88.3	75	125	0			
m,p-Xylene	87.94	0.40	5.0	100.0	0	87.9	75	130	0			
o-Xylene	43.78	0.26	5.0	50.00	0	87.6	80	120	0			
Xylene (Total)	131.7	0.26	5.0	150.0	0	87.8	81	121	0			
Styrene	44.91	0.16	5.0	50.00	0	89.8	65	135	0			
Bromoform	48.12	0.44	5.0	50.00	0	96.2	70	130	0			
Isopropylbenzene	43.93	0.20	5.0	50.00	0	87.9	75	125	0			
1,1,2,2-Tetrachloroethane	44.74	0.23	5.0	50.00	0	89.5	65	130	0			
Bromobenzene	41.78	0.37	5.0	50.00	0	83.6	75	125	0			
1,2,3-Trichloropropane	49.87	0.72	5.0	50.00	0	99.7	75	125	0			
n-Propylbenzene	43.24	0.20	5.0	50.00	0	86.5	70	130	0			
2-Chlorotoluene	41.55	0.30	5.0	50.00	0	83.1	75	125	0			
1,3,5-Trimethylbenzene	42.43	0.12	5.0	50.00	0	84.9	75	130	0			
4-Chlorotoluene	42.15	0.43	5.0	50.00	0	84.3	75	130	0			
tert-Butylbenzene	43.10	0.24	5.0	50.00	0	86.2	70	130	0			
1,2,4-Trimethylbenzene	42.84	0.15	5.0	50.00	0	85.7	75	130	0			
sec-Butylbenzene	42.88	0.19	5.0	50.00	0	85.8	70	125	0			
4-Isopropyltoluene	43.31	0.17	5.0	50.00	0	86.6	75	130	0			
1,3-Dichlorobenzene	42.96	0.19	5.0	50.00	0	85.9	75	125	0			
1,4-Dichlorobenzene	42.97	0.24	5.0	50.00	0	85.9	75	125	0			
n-Butylbenzene	46.48	0.27	5.0	50.00	0	93.0	70	135	0			
1,2-Dichlorobenzene	42.66	0.24	5.0	50.00	0	85.3	70	120	0			
1,2-Dibromo-3-chloropropane	49.95	0.35	5.0	50.00	0	99.9	50	130	0			
1,2,4-Trichlorobenzene	47.85	0.39	5.0	50.00	0	95.7	65	135	0			
Hexachlorobutadiene	39.98	0.41	5.0	50.00	0	80.0	50	140	0			
1,2,3-Trichlorobenzene	47.63	0.45	5.0	50.00	0	95.3	55	140	0			
Naphthalene	51.11	0.15	5.0	50.00	0	102	55	140	0			
Surrogate:	46.34	0	5.0	50.00	0	92.7	85	115	0			
Dibromofluoromethane	50.91	0	5.0	50.00	0	102	70	120	0			
Surrogate: 1,2-Dichloroethane-d4	51.59	0	5.0	50.00	0	103	85	120	0			
Surrogate: Toluene-d8	51.36	0	5.0	50.00	0	103	75	120	0			
Surrogate: Bromofluorobenzene												

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
 Work Order: J0944
 Project: 1.51 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
 SW8260 W
 SW846 8260 -- VOC by GC-MS

Sample ID: LCSD-51421 SampType: LCSD TestCode: SW8260_W Run ID: V1_100510A
 Client ID: LCSD-51421 Batch ID: 51421 Units: µg/L Analysis Date: 05/10/10 12:12 SeqNo: 1281731 Prep Date: 05/10/10 11:29

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	29.85	0.47	5.0	50.00	0	59.7	30	155	32.09	7.21	40	
Chloromethane	37.80	0.54	5.0	50.00	0	75.6	40	125	39.04	3.23	40	
Vinyl chloride	37.63	0.78	5.0	50.00	0	75.3	50	145	39.16	3.98	40	
Bromomethane	37.55	0.74	5.0	50.00	0	75.1	30	145	42.14	11.5	40	
Chloroethane	40.51	0.89	5.0	50.00	0	81.0	60	135	42.20	4.09	40	
Trichlorofluoromethane	38.19	0.60	5.0	50.00	0	76.4	60	145	39.38	3.07	40	
1,1-Dichloroethene	35.08	0.64	5.0	50.00	0	70.2	70	130	37.29	6.09	40	
Acetone	51.05	4.6	5.0	50.00	0	102	40	140	70.84	32.5	40	
Iodomethane	38.62	0.37	5.0	50.00	0	77.2	72	121	35.11	9.52	40	
Carbon disulfide	32.85	0.34	5.0	50.00	0	65.7	35	160	34.65	5.32	40	
Methylene chloride	39.88	0.83	5.0	50.00	0	79.8	55	140	40.92	2.57	40	
trans-1,2-Dichloroethene	35.95	0.37	5.0	50.00	0	71.9	60	140	39.04	8.25	40	
Methyl tert-butyl ether	41.33	0.25	5.0	50.00	0	82.7	65	125	39.97	3.35	40	
1,1-Dichloroethane	39.75	0.24	5.0	50.00	0	79.5	70	135	39.25	1.25	40	
Vinyl acetate	46.01	0.43	5.0	50.00	0	92.0	38	163	44.82	2.64	40	
2-Butanone	59.05	2.0	5.0	50.00	0	118	30	150	60.52	2.46	40	
cis-1,2-Dichloroethene	39.71	0.34	5.0	50.00	0	79.4	70	125	39.02	1.75	40	
2,2-Dichloropropane	38.62	0.22	5.0	50.00	0	77.2	70	135	40.82	5.53	40	
Bromochloromethane	39.33	0.30	5.0	50.00	0	78.7	65	130	39.01	0.802	40	
Chloroform	38.21	0.30	5.0	50.00	0	76.4	65	135	38.21	0.00227	40	
1,1,1-Trichloroethane	35.39	0.18	5.0	50.00	0	70.8	65	130	36.58	3.32	40	
1,1-Dichloropropene	40.15	0.38	5.0	50.00	0	80.3	75	130	40.36	0.527	40	
Carbon tetrachloride	37.81	0.11	5.0	50.00	0	75.6	65	140	38.46	1.72	40	
1,2-Dichloroethane	43.94	0.16	5.0	50.00	0	87.9	70	130	44.01	0.149	40	
Benzene	40.61	0.12	5.0	50.00	0	81.2	80	120	42.00	3.38	40	
Trichloroethene	38.08	0.25	5.0	50.00	0	76.2	70	125	39.92	4.72	40	
1,2-Dichloropropane	43.25	0.24	5.0	50.00	0	86.5	75	125	44.12	1.99	40	
Dibromomethane	44.89	0.26	5.0	50.00	0	89.8	75	125	42.15	6.31	40	
Bromodichloromethane	43.74	0.20	5.0	50.00	0	87.5	75	120	44.44	1.61	40	
cis-1,3-Dichloropropene	44.31	0.22	5.0	50.00	0	88.6	70	130	44.34	0.0681	40	
4-Methyl-2-pentanone	53.55	1.5	5.0	50.00	0	107	60	135	49.46	7.93	40	
Toluene	41.53	0.15	5.0	50.00	0	83.1	75	120	42.34	1.92	40	
trans-1,3-Dichloropropene	46.56	0.27	5.0	50.00	0	93.1	55	140	46.12	0.932	40	
1,1,2-Trichloroethane	44.52	0.29	5.0	50.00	0	89.0	75	125	43.88	1.43	40	
1,3-Dichloropropane	48.72	0.26	5.0	50.00	0	97.4	75	125	48.91	0.402	40	
tetrachloroethene	40.18	0.27	5.0	50.00	0	80.4	45	150	40.85	1.66	40	
2-Hexanone	58.60	1.1	5.0	50.00	0	117	55	130	60.00	2.37	40	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
 Work Order: J0944
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
 SW8260_W
 SW846 8260 -- VOC by GC-MS

Prep Date: 05/10/10 11:29
 Analysis Date: 05/10/10 12:12
 Run ID: V1_100510A
 SeqNo: 1281731

Sample ID: LCSD-51421
 Client ID: LCSD-51421
 TestCode: SW8260_W
 Units: µg/L

SampType: LCSD
 Batch ID: 51421

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	45.76	0.20	5.0	50.00	0	91.5	60	135	46.75	2.13	40	40
1,2-Dibromoethane	47.16	0.31	5.0	50.00	0	94.3	80	120	49.83	5.51	40	40
Chlorobenzene	41.87	0.23	5.0	50.00	0	83.7	80	120	43.76	4.43	40	40
1,1,1,2-Tetrachloroethane	42.74	0.28	5.0	50.00	0	85.5	80	130	44.38	3.76	40	40
Ethylbenzene	42.97	0.23	5.0	50.00	0	85.9	75	125	44.15	2.72	40	40
m,p-Xylene	83.83	0.40	5.0	100.0	0	83.8	75	130	87.94	4.79	40	40
o-Xylene	42.02	0.26	5.0	50.00	0	84.0	80	120	43.78	4.12	40	40
Xylene (Total)	125.8	0.26	5.0	150.0	0	83.9	81	121	131.7	4.56	40	40
Styrene	43.05	0.16	5.0	50.00	0	86.1	65	135	44.91	4.25	40	40
Bromoforn	49.05	0.44	5.0	50.00	0	98.1	70	130	48.12	1.9	40	40
Isopropylbenzene	43.27	0.20	5.0	50.00	0	86.5	75	125	43.93	1.52	40	40
1,1,2,2-Tetrachloroethane	48.08	0.23	5.0	50.00	0	96.2	65	130	44.74	7.18	40	40
Bromobenzene	41.73	0.37	5.0	50.00	0	83.5	75	125	41.78	0.121	40	40
1,2,3-Trichloropropane	51.73	0.72	5.0	50.00	0	103	75	125	49.87	3.66	40	40
n-Propylbenzene	44.58	0.20	5.0	50.00	0	89.2	70	130	43.24	3.05	40	40
2-Chlorotoluene	41.67	0.30	5.0	50.00	0	83.3	75	125	41.55	0.299	40	40
1,3,5-Trimethylbenzene	43.30	0.12	5.0	50.00	0	86.6	75	130	42.43	2.03	40	40
4-Chlorotoluene	42.15	0.43	5.0	50.00	0	84.3	75	130	42.15	0.0135	40	40
tert-Butylbenzene	43.69	0.24	5.0	50.00	0	87.4	70	130	43.10	1.36	40	40
1,2,4-Trimethylbenzene	42.90	0.15	5.0	50.00	0	85.8	75	130	42.84	0.161	40	40
sec-Butylbenzene	45.11	0.19	5.0	50.00	0	90.2	70	125	42.88	5.08	40	40
4-Isopropyltoluene	45.33	0.17	5.0	50.00	0	90.7	75	130	43.31	4.57	40	40
1,3-Dichlorobenzene	42.12	0.19	5.0	50.00	0	84.2	75	125	42.96	1.96	40	40
1,4-Dichlorobenzene	43.07	0.24	5.0	50.00	0	86.1	75	125	42.97	0.241	40	40
n-Butylbenzene	48.53	0.27	5.0	50.00	0	97.1	70	135	46.48	4.31	40	40
1,2-Dichlorobenzene	44.17	0.24	5.0	50.00	0	88.3	70	120	42.66	3.46	40	40
1,2-Dibromo-3-chloropropane	55.65	0.35	5.0	50.00	0	111	50	130	49.95	10.8	40	40
1,2,4-Trichlorobenzene	50.91	0.39	5.0	50.00	0	102	65	135	47.85	6.18	40	40
Hexachlorobutadiene	41.05	0.41	5.0	50.00	0	82.1	50	140	39.98	2.66	40	40
1,2,3-Trichlorobenzene	53.40	0.45	5.0	50.00	0	107	55	140	47.63	11.4	40	40
Naphthalene	56.97	0.15	5.0	50.00	0	114	55	140	51.11	10.8	40	40
Surrogate:	48.26	0	5.0	50.00	0	96.5	85	115	0	0	40	40
Dibromofluoromethane	50.78	0	5.0	50.00	0	102	70	120	0	0	40	40
Surrogate: 1,2-Dichloroethane-d4	50.46	0	5.0	50.00	0	101	85	120	0	0	40	40
Surrogate: Toluene-d8	49.70	0	5.0	50.00	0	99.4	75	120	0	0	40	40
Surrogate: Bromofluorobenzene												

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

Mitkem Laboratories

Date: 27-May-10

Client: Day Environmental Inc.

Client Sample ID: MW10-1 (8.5'-10')

Lab ID: J0944-02

Project: 151 Mt. Hope Ave.

Collection Date: 05/05/10 9:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Phenol	ND		410	µg/Kg		105/26/2010 18:50	51450
Bis(2-chloroethyl)ether	ND		410	µg/Kg		105/26/2010 18:50	51450
2-Chlorophenol	ND		410	µg/Kg		105/26/2010 18:50	51450
1,3-Dichlorobenzene	ND		410	µg/Kg		105/26/2010 18:50	51450
1,4-Dichlorobenzene	ND		410	µg/Kg		105/26/2010 18:50	51450
1,2-Dichlorobenzene	ND		410	µg/Kg		105/26/2010 18:50	51450
2-Methylphenol	ND		410	µg/Kg		105/26/2010 18:50	51450
2,2'-oxybis(1-Chloropropane)	ND		410	µg/Kg		105/26/2010 18:50	51450
4-Methylphenol	ND		410	µg/Kg		105/26/2010 18:50	51450
N-Nitroso-di-n-propylamine	ND		410	µg/Kg		105/26/2010 18:50	51450
Hexachloroethane	ND		410	µg/Kg		105/26/2010 18:50	51450
Nitrobenzene	ND		410	µg/Kg		105/26/2010 18:50	51450
Isophorone	ND		410	µg/Kg		105/26/2010 18:50	51450
2-Nitrophenol	ND		410	µg/Kg		105/26/2010 18:50	51450
2,4-Dimethylphenol	ND		410	µg/Kg		105/26/2010 18:50	51450
2,4-Dichlorophenol	ND		410	µg/Kg		105/26/2010 18:50	51450
1,2,4-Trichlorobenzene	ND		410	µg/Kg		105/26/2010 18:50	51450
Naphthalene	ND		410	µg/Kg		105/26/2010 18:50	51450
4-Chloroaniline	ND		410	µg/Kg		105/26/2010 18:50	51450
Bis(2-chloroethoxy)methane	ND		410	µg/Kg		105/26/2010 18:50	51450
Hexachlorobutadiene	ND		410	µg/Kg		105/26/2010 18:50	51450
4-Chloro-3-methylphenol	ND		410	µg/Kg		105/26/2010 18:50	51450
2-Methylnaphthalene	ND		410	µg/Kg		105/26/2010 18:50	51450
Hexachlorocyclopentadiene	ND		410	µg/Kg		105/26/2010 18:50	51450
2,4,6-Trichlorophenol	ND		410	µg/Kg		105/26/2010 18:50	51450
2,4,5-Trichlorophenol	ND		830	µg/Kg		105/26/2010 18:50	51450
2-Chloronaphthalene	ND		410	µg/Kg		105/26/2010 18:50	51450
2-Nitroaniline	ND		830	µg/Kg		105/26/2010 18:50	51450
Dimethylphthalate	ND		410	µg/Kg		105/26/2010 18:50	51450
Acenaphthylene	ND		410	µg/Kg		105/26/2010 18:50	51450
2,6-Dinitrotoluene	ND		410	µg/Kg		105/26/2010 18:50	51450
3-Nitroaniline	ND		830	µg/Kg		105/26/2010 18:50	51450
Acenaphthene	ND		410	µg/Kg		105/26/2010 18:50	51450
2,4-Dinitrophenol	ND		830	µg/Kg		105/26/2010 18:50	51450
4-Nitrophenol	ND		830	µg/Kg		105/26/2010 18:50	51450
Dibenzofuran	ND		410	µg/Kg		105/26/2010 18:50	51450
2,4-Dinitrotoluene	ND		410	µg/Kg		105/26/2010 18:50	51450
Diethylphthalate	ND		410	µg/Kg		105/26/2010 18:50	51450
4-Chlorophenyl-phenylether	ND		410	µg/Kg		105/26/2010 18:50	51450

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 27-May-10

Client: Day Environmental Inc.

Client Sample ID: MW10-1 (8.5'-10')

Lab ID: J0944-02

Project: 151 Mt. Hope Ave.

Collection Date: 05/05/10 9:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Fluorene	63	J	410	µg/Kg		105/26/2010 18:50	51450
4-Nitroaniline	ND		830	µg/Kg		105/26/2010 18:50	51450
4,6-Dinitro-2-methylphenol	ND		830	µg/Kg		105/26/2010 18:50	51450
N-Nitrosodiphenylamine	ND		410	µg/Kg		105/26/2010 18:50	51450
4-Bromophenyl-phenylether	ND		410	µg/Kg		105/26/2010 18:50	51450
Hexachlorobenzene	ND		410	µg/Kg		105/26/2010 18:50	51450
Pentachlorophenol	ND		830	µg/Kg		105/26/2010 18:50	51450
Phenanthrene	370	J	410	µg/Kg		105/26/2010 18:50	51450
Anthracene	120	J	410	µg/Kg		105/26/2010 18:50	51450
Carbazole	ND		410	µg/Kg		105/26/2010 18:50	51450
Di-n-butylphthalate	ND		410	µg/Kg		105/26/2010 18:50	51450
Fluoranthene	520		410	µg/Kg		105/26/2010 18:50	51450
Pyrene	460		410	µg/Kg		105/26/2010 18:50	51450
Butylbenzylphthalate	ND		410	µg/Kg		105/26/2010 18:50	51450
3,3'-Dichlorobenzidine	ND		410	µg/Kg		105/26/2010 18:50	51450
Benzo(a)anthracene	270	J	410	µg/Kg		105/26/2010 18:50	51450
Chrysene	230	J	410	µg/Kg		105/26/2010 18:50	51450
Bis(2-ethylhexyl)phthalate	ND		410	µg/Kg		105/26/2010 18:50	51450
Di-n-octylphthalate	ND		410	µg/Kg		105/26/2010 18:50	51450
Benzo(b)fluoranthene	190	J	410	µg/Kg		105/26/2010 18:50	51450
Benzo(k)fluoranthene	91	J	410	µg/Kg		105/26/2010 18:50	51450
Benzo(a)pyrene	140	J	410	µg/Kg		105/26/2010 18:50	51450
Indeno(1,2,3-cd)pyrene	ND		410	µg/Kg		105/26/2010 18:50	51450
Dibenzo(a,h)anthracene	ND		410	µg/Kg		105/26/2010 18:50	51450
Benzo(g,h,i)perylene	ND		410	µg/Kg		105/26/2010 18:50	51450
Surrogate: Nitrobenzene-d5	56.7		35-100	%REC		105/26/2010 18:50	51450
Surrogate: 2-Fluorobiphenyl	67.3		45-105	%REC		105/26/2010 18:50	51450
Surrogate: Terphenyl-d14	88.4		30-125	%REC		105/26/2010 18:50	51450
Surrogate: Phenol-d5	62.7		40-100	%REC		105/26/2010 18:50	51450
Surrogate: 2-Fluorophenol	73.0		35-105	%REC		105/26/2010 18:50	51450
Surrogate: 2,4,6-Tribromophenol	71.0		35-125	%REC		105/26/2010 18:50	51450

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 27-May-10

Client: Day Environmental Inc.

Client Sample ID: MW10-2 (8'-9.5')

Lab ID: J0944-05

Project: 151 Mt. Hope Ave.

Collection Date: 05/05/10 11:25

Analyses	Result	Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS					SW8270_S
Phenol	ND		540 µg/Kg	1 05/26/2010 18:28	51450
Bis(2-chloroethyl)ether	ND		540 µg/Kg	1 05/26/2010 18:28	51450
2-Chlorophenol	ND		540 µg/Kg	1 05/26/2010 18:28	51450
1,3-Dichlorobenzene	ND		540 µg/Kg	1 05/26/2010 18:28	51450
1,4-Dichlorobenzene	ND		540 µg/Kg	1 05/26/2010 18:28	51450
1,2-Dichlorobenzene	ND		540 µg/Kg	1 05/26/2010 18:28	51450
2-Methylphenol	ND		540 µg/Kg	1 05/26/2010 18:28	51450
2,2'-oxybis(1-Chloropropane)	ND		540 µg/Kg	1 05/26/2010 18:28	51450
4-Methylphenol	ND		540 µg/Kg	1 05/26/2010 18:28	51450
N-Nitroso-di-n-propylamine	ND		540 µg/Kg	1 05/26/2010 18:28	51450
Hexachloroethane	ND		540 µg/Kg	1 05/26/2010 18:28	51450
Nitrobenzene	ND		540 µg/Kg	1 05/26/2010 18:28	51450
Isophorone	ND		540 µg/Kg	1 05/26/2010 18:28	51450
2-Nitrophenol	ND		540 µg/Kg	1 05/26/2010 18:28	51450
2,4-Dimethylphenol	ND		540 µg/Kg	1 05/26/2010 18:28	51450
2,4-Dichlorophenol	ND		540 µg/Kg	1 05/26/2010 18:28	51450
1,2,4-Trichlorobenzene	ND		540 µg/Kg	1 05/26/2010 18:28	51450
Naphthalene	380	J	540 µg/Kg	1 05/26/2010 18:28	51450
4-Chloroaniline	ND		540 µg/Kg	1 05/26/2010 18:28	51450
Bis(2-chloroethoxy)methane	ND		540 µg/Kg	1 05/26/2010 18:28	51450
Hexachlorobutadiene	ND		540 µg/Kg	1 05/26/2010 18:28	51450
4-Chloro-3-methylphenol	ND		540 µg/Kg	1 05/26/2010 18:28	51450
2-Methylnaphthalene	280	J	540 µg/Kg	1 05/26/2010 18:28	51450
Hexachlorocyclopentadiene	ND		540 µg/Kg	1 05/26/2010 18:28	51450
2,4,6-Trichlorophenol	ND		540 µg/Kg	1 05/26/2010 18:28	51450
2,4,5-Trichlorophenol	ND		1100 µg/Kg	1 05/26/2010 18:28	51450
2-Chloronaphthalene	ND		540 µg/Kg	1 05/26/2010 18:28	51450
2-Nitroaniline	ND		1100 µg/Kg	1 05/26/2010 18:28	51450
Dimethylphthalate	ND		540 µg/Kg	1 05/26/2010 18:28	51450
Acenaphthylene	590		540 µg/Kg	1 05/26/2010 18:28	51450
2,6-Dinitrotoluene	ND		540 µg/Kg	1 05/26/2010 18:28	51450
3-Nitroaniline	ND		1100 µg/Kg	1 05/26/2010 18:28	51450
Acenaphthene	800		540 µg/Kg	1 05/26/2010 18:28	51450
2,4-Dinitrophenol	ND		1100 µg/Kg	1 05/26/2010 18:28	51450
4-Nitrophenol	ND		1100 µg/Kg	1 05/26/2010 18:28	51450
Dibenzofuran	890		540 µg/Kg	1 05/26/2010 18:28	51450
2,4-Dinitrotoluene	ND		540 µg/Kg	1 05/26/2010 18:28	51450
Diethylphthalate	ND		540 µg/Kg	1 05/26/2010 18:28	51450
4-Chlorophenyl-phenylether	ND		540 µg/Kg	1 05/26/2010 18:28	51450

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 27-May-10

Client: Day Environmental Inc.

Client Sample ID: MW10-2 (8'-9.5')

Lab ID: J0944-05

Project: 151 Mt. Hope Ave.

Collection Date: 05/05/10 11:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Fluorene	2100		540	µg/Kg		105/26/2010 18:28	51450
4-Nitroaniline	ND		1100	µg/Kg		105/26/2010 18:28	51450
4,6-Dinitro-2-methylphenol	ND		1100	µg/Kg		105/26/2010 18:28	51450
N-Nitrosodiphenylamine	ND		540	µg/Kg		105/26/2010 18:28	51450
4-Bromophenyl-phenylether	ND		540	µg/Kg		105/26/2010 18:28	51450
Hexachlorobenzene	ND		540	µg/Kg		105/26/2010 18:28	51450
Pentachlorophenol	ND		1100	µg/Kg		105/26/2010 18:28	51450
Phenanthrene	2500		540	µg/Kg		105/26/2010 18:28	51450
Anthracene	550		540	µg/Kg		105/26/2010 18:28	51450
Carbazole	ND		540	µg/Kg		105/26/2010 18:28	51450
Di-n-butylphthalate	ND		540	µg/Kg		105/26/2010 18:28	51450
Fluoranthene	1400		540	µg/Kg		105/26/2010 18:28	51450
Pyrene	2300		540	µg/Kg		105/26/2010 18:28	51450
Butylbenzylphthalate	ND		540	µg/Kg		105/26/2010 18:28	51450
3,3'-Dichlorobenzidine	ND		540	µg/Kg		105/26/2010 18:28	51450
Benzo(a)anthracene	750		540	µg/Kg		105/26/2010 18:28	51450
Chrysene	610		540	µg/Kg		105/26/2010 18:28	51450
Bis(2-ethylhexyl)phthalate	ND		540	µg/Kg		105/26/2010 18:28	51450
Di-n-octylphthalate	ND		540	µg/Kg		105/26/2010 18:28	51450
Benzo(b)fluoranthene	500	J	540	µg/Kg		105/26/2010 18:28	51450
Benzo(k)fluoranthene	220	J	540	µg/Kg		105/26/2010 18:28	51450
Benzo(a)pyrene	350	J	540	µg/Kg		105/26/2010 18:28	51450
Indeno(1,2,3-cd)pyrene	170	J	540	µg/Kg		105/26/2010 18:28	51450
Dibenzo(a,h)anthracene	ND		540	µg/Kg		105/26/2010 18:28	51450
Benzo(g,h,i)perylene	84	J	540	µg/Kg		105/26/2010 18:28	51450
Surrogate: Nitrobenzene-d5	31.4	S	35-100	%REC		105/26/2010 18:28	51450
Surrogate: 2-Fluorobiphenyl	81.9		45-105	%REC		105/26/2010 18:28	51450
Surrogate: Terphenyl-d14	100		30-125	%REC		105/26/2010 18:28	51450
Surrogate: Phenol-d5	71.9		40-100	%REC		105/26/2010 18:28	51450
Surrogate: 2-Fluorophenol	77.7		35-105	%REC		105/26/2010 18:28	51450
Surrogate: 2,4,6-Tribromophenol	84.3		35-125	%REC		105/26/2010 18:28	51450

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 27-May-10

Client: Day Environmental Inc.

Client Sample ID: MW10-3 (10'-12')

Lab ID: J0944-06

Project: 151 Mt. Hope Ave.

Collection Date: 05/06/10 8:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Phenol	ND		450	µg/Kg		1 05/26/2010 18:05	51450
Bis(2-chloroethyl)ether	ND		450	µg/Kg		1 05/26/2010 18:05	51450
2-Chlorophenol	ND		450	µg/Kg		1 05/26/2010 18:05	51450
1,3-Dichlorobenzene	ND		450	µg/Kg		1 05/26/2010 18:05	51450
1,4-Dichlorobenzene	ND		450	µg/Kg		1 05/26/2010 18:05	51450
1,2-Dichlorobenzene	ND		450	µg/Kg		1 05/26/2010 18:05	51450
2-Methylphenol	ND		450	µg/Kg		1 05/26/2010 18:05	51450
2,2'-oxybis(1-Chloropropane)	ND		450	µg/Kg		1 05/26/2010 18:05	51450
4-Methylphenol	ND		450	µg/Kg		1 05/26/2010 18:05	51450
N-Nitroso-di-n-propylamine	ND		450	µg/Kg		1 05/26/2010 18:05	51450
Hexachloroethane	ND		450	µg/Kg		1 05/26/2010 18:05	51450
Nitrobenzene	ND		450	µg/Kg		1 05/26/2010 18:05	51450
Isophorone	ND		450	µg/Kg		1 05/26/2010 18:05	51450
2-Nitrophenol	ND		450	µg/Kg		1 05/26/2010 18:05	51450
2,4-Dimethylphenol	ND		450	µg/Kg		1 05/26/2010 18:05	51450
2,4-Dichlorophenol	ND		450	µg/Kg		1 05/26/2010 18:05	51450
1,2,4-Trichlorobenzene	ND		450	µg/Kg		1 05/26/2010 18:05	51450
Naphthalene	ND		450	µg/Kg		1 05/26/2010 18:05	51450
4-Chloroaniline	ND		450	µg/Kg		1 05/26/2010 18:05	51450
Bis(2-chloroethoxy)methane	ND		450	µg/Kg		1 05/26/2010 18:05	51450
Hexachlorobutadiene	ND		450	µg/Kg		1 05/26/2010 18:05	51450
4-Chloro-3-methylphenol	ND		450	µg/Kg		1 05/26/2010 18:05	51450
2-Methylnaphthalene	ND		450	µg/Kg		1 05/26/2010 18:05	51450
Hexachlorocyclopentadiene	ND		450	µg/Kg		1 05/26/2010 18:05	51450
2,4,6-Trichlorophenol	ND		450	µg/Kg		1 05/26/2010 18:05	51450
2,4,5-Trichlorophenol	ND		920	µg/Kg		1 05/26/2010 18:05	51450
2-Chloronaphthalene	ND		450	µg/Kg		1 05/26/2010 18:05	51450
2-Nitroaniline	ND		920	µg/Kg		1 05/26/2010 18:05	51450
Dimethylphthalate	ND		450	µg/Kg		1 05/26/2010 18:05	51450
Acenaphthylene	ND		450	µg/Kg		1 05/26/2010 18:05	51450
2,6-Dinitrotoluene	ND		450	µg/Kg		1 05/26/2010 18:05	51450
3-Nitroaniline	ND		920	µg/Kg		1 05/26/2010 18:05	51450
Acenaphthene	ND		450	µg/Kg		1 05/26/2010 18:05	51450
2,4-Dinitrophenol	ND		920	µg/Kg		1 05/26/2010 18:05	51450
4-Nitrophenol	ND		920	µg/Kg		1 05/26/2010 18:05	51450
Dibenzofuran	ND		450	µg/Kg		1 05/26/2010 18:05	51450
2,4-Dinitrotoluene	ND		450	µg/Kg		1 05/26/2010 18:05	51450
Diethylphthalate	ND		450	µg/Kg		1 05/26/2010 18:05	51450
4-Chlorophenyl-phenylether	ND		450	µg/Kg		1 05/26/2010 18:05	51450

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 27-May-10

Client: Day Environmental Inc.

Client Sample ID: MW10-3 (10'-12')

Lab ID: J0944-06

Project: 151 Mt. Hope Ave.

Collection Date: 05/06/10 8:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270 -- SVOA by GC-MS							SW8270_S
Fluorene	ND		450	µg/Kg		105/26/2010 18:05	51450
4-Nitroaniline	ND		920	µg/Kg		105/26/2010 18:05	51450
4,6-Dinitro-2-methylphenol	ND		920	µg/Kg		105/26/2010 18:05	51450
N-Nitrosodiphenylamine	ND		450	µg/Kg		105/26/2010 18:05	51450
4-Bromophenyl-phenylether	ND		450	µg/Kg		105/26/2010 18:05	51450
Hexachlorobenzene	ND		450	µg/Kg		105/26/2010 18:05	51450
Pentachlorophenol	ND		920	µg/Kg		105/26/2010 18:05	51450
Phenanthrene	69	J	450	µg/Kg		105/26/2010 18:05	51450
Anthracene	ND		450	µg/Kg		105/26/2010 18:05	51450
Carbazole	ND		450	µg/Kg		105/26/2010 18:05	51450
Di-n-butylphthalate	ND		450	µg/Kg		105/26/2010 18:05	51450
Fluoranthene	100	J	450	µg/Kg		105/26/2010 18:05	51450
Pyrene	120	J	450	µg/Kg		105/26/2010 18:05	51450
Butylbenzylphthalate	ND		450	µg/Kg		105/26/2010 18:05	51450
3,3'-Dichlorobenzidine	ND		450	µg/Kg		105/26/2010 18:05	51450
Benzo(a)anthracene	78	J	450	µg/Kg		105/26/2010 18:05	51450
Chrysene	87	J	450	µg/Kg		105/26/2010 18:05	51450
Bis(2-ethylhexyl)phthalate	ND		450	µg/Kg		105/26/2010 18:05	51450
Di-n-octylphthalate	ND		450	µg/Kg		105/26/2010 18:05	51450
Benzo(b)fluoranthene	83	J	450	µg/Kg		105/26/2010 18:05	51450
Benzo(k)fluoranthene	ND		450	µg/Kg		105/26/2010 18:05	51450
Benzo(a)pyrene	55	J	450	µg/Kg		105/26/2010 18:05	51450
Indeno(1,2,3-cd)pyrene	ND		450	µg/Kg		105/26/2010 18:05	51450
Dibenzo(a,h)anthracene	ND		450	µg/Kg		105/26/2010 18:05	51450
Benzo(g,h,i)perylene	ND		450	µg/Kg		105/26/2010 18:05	51450
Surrogate: Nitrobenzene-d5	59.1		35-100	%REC		105/26/2010 18:05	51450
Surrogate: 2-Fluorobiphenyl	64.0		45-105	%REC		105/26/2010 18:05	51450
Surrogate: Terphenyl-d14	84.4		30-125	%REC		105/26/2010 18:05	51450
Surrogate: Phenol-d5	62.3		40-100	%REC		105/26/2010 18:05	51450
Surrogate: 2-Fluorophenol	70.5		35-105	%REC		105/26/2010 18:05	51450
Surrogate: 2,4,6-Tribromophenol	65.1		35-125	%REC		105/26/2010 18:05	51450

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

ANALYTICAL QC SUMMARY REPORT
SW8270_S
SW846 8270 -- SVOA by GC-MS

CLIENT: Day Environmental Inc.
 Work Order: J0944
 Project: 151 Mt. Hope Ave.

Sample ID: MB-51450	Samp Type: MBLK	Test Code: SW8270_S	Prep Date: 05/11/10 9:45	Run ID: S3_100521A							
Client ID: MB-51450	Batch ID: 51450	Units: µg/Kg	Analysis Date: 05/21/10 13:14	SeqNo: 1294044							
Analyte	Result	MDL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	29					330				
Bis(2-chloroethyl)ether	ND	74					330				
2-Chlorophenol	ND	17					330				
1,3-Dichlorobenzene	ND	21					330				
1,4-Dichlorobenzene	ND	18					330				
1,2-Dichlorobenzene	ND	17					330				
2-Methylphenol	ND	23					330				
2,2'-oxybis(1-Chloropropane)	ND	17					330				
4-Methylphenol	ND	22					330				
N-Nitroso-di-n-propylamine	ND	68					330				
Hexachloroethane	ND	96					330				
Nitrobenzene	ND	18					330				
Isophorone	ND	51					330				
2-Nitrophenol	ND	22					330				
2,4-Dimethylphenol	ND	53					330				
2,4-Dichlorophenol	ND	17					330				
1,2,4-Trichlorobenzene	ND	76					330				
Naphthalene	ND	23					330				
4-Chloroaniline	ND	17					330				
Bis(2-chloroethoxy)methane	ND	21					330				
Hexachlorobutadiene	ND	32					330				
4-Chloro-3-methylphenol	ND	20					330				
2-Methylnaphthalene	ND	20					330				
Hexachlorocyclopentadiene	ND	32					330				
2,4,6-Trichlorophenol	ND	26					330				
2,4,5-Trichlorophenol	ND	53					670				
2-Chloronaphthalene	ND	52					330				
2-Nitroaniline	ND	5.5					670				
Dimethylphthalate	ND	6.5					330				
Acenaphthylene	ND	10					330				
2,6-Dinitrotoluene	ND	8.8					330				
3-Nitroaniline	ND	22					670				
Acenaphthene	ND	8.4					330				
2,4-Dinitrophenol	ND	100					670				
4-Nitrophenol	ND	18					670				
Dibenzofuran	ND	5.8					330				

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J0944
 Project: 151 Mt. Hope Ave.

SW8270_S
 SW846 8270 -- SVOA by GC-MS

Sample ID: MB-51450 SampType: MBLK TestCode: SW8270_S Run ID: S3_100521A
 Client ID: MB-51450 Batch ID: 51450 Units: µg/Kg SeqNo: 1294044
 Prep Date: 05/11/10 9:45 Analysis Date: 05/21/10 13:14

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
2,4-Dinitrotoluene	ND	6.0	330							
Diethylphthalate	ND	8.0	330							
4-Chlorophenyl-phenylether	ND	15	330							
Fluorene	ND	7.8	330							
4-Nitroaniline	ND	25	670							
4,6-Dinitro-2-methylphenol	ND	30	670							
N-Nitrosodiphenylamine	ND	47	330							
4-Bromophenyl-phenylether	ND	67	330							
Hexachlorobenzene	ND	7.9	330							
Pentachlorophenol	ND	82	670							
Phenanthrene	ND	6.9	330							
Anthracene	ND	19	330							
Carbazole	ND	10	330							
Di-n-butylphthalate	ND	5.8	330							
Fluoranthene	ND	18	330							
Pyrene	ND	7.4	330							
Butylbenzylphthalate	ND	6.3	330							
3,3'-Dichlorobenzidine	ND	52	330							
Benzo(a)anthracene	ND	17	330							
Chrysene	ND	25	330							
Bis(2-ethylhexyl)phthalate	ND	8.6	330							
Di-n-octylphthalate	ND	44	330							
Benzo(b)fluoranthene	ND	46	330							
Benzo(k)fluoranthene	ND	19	330							
Benzo(a)pyrene	ND	25	330							
Indeno(1,2,3-cd)pyrene	ND	8.9	330							
Dibenzo(a,h)anthracene	ND	5.8	330							
Benzo(g,h,i)perylene	ND	17	330							
Surrogate: Nitrobenzene-d5	1487	0	330	1667	0	89.2	35	100	0	
Surrogate: 2-Fluorobiphenyl	1491	0	330	1667	0	89.4	45	105	0	
Surrogate: Terphenyl-d14	1906	0	330	1667	0	114	30	125	0	
Surrogate: Phenol-d5	2400	0	330	2500	0	96.0	40	100	0	
Surrogate: 2-Fluorophenol	2727	0	330	2500	0	109	35	105	0	S
Surrogate: 2,4,6-tribromophenol	2662	0	330	2500	0	106	35	125	0	

0027

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J0944
 Project: 151 Mt. Hope Ave.

SW8270_S
 SW846 8270 -- SVOA by GC-MS

Sample ID: LCS-51450 SampType: LCS TestCode: SW8270_S Run ID: S3_100521A
 Client ID: LCS-51450 Batch ID: 51450 Units: µg/Kg Analysis Date: 05/21/10 13:39 SeqNo: 1294045
 Prep Date: 05/11/10 9:45

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	1467	29	330	1667	0	88.0	40	100	0	0	0	
Bis(2-chloroethyl)ether	1321	74	330	1667	0	79.3	40	105	0	0	0	
2-Chlorophenol	1287	17	330	1667	0	77.2	45	105	0	0	0	
1,3-Dichlorobenzene	1265	21	330	1667	0	75.9	40	100	0	0	0	
1,4-Dichlorobenzene	1382	18	330	1667	0	82.9	35	105	0	0	0	
1,2-Dichlorobenzene	1290	17	330	1667	0	77.4	45	95	0	0	0	
2-Methylphenol	1266	23	330	1667	0	75.9	40	105	0	0	0	
2,2'-oxybis(1-Chloropropane)	1296	17	330	1667	0	77.7	20	115	0	0	0	
4-Methylphenol	1253	22	330	1667	0	75.2	40	105	0	0	0	
N-Nitroso-di-n-propylamine	1201	68	330	1667	0	72.1	40	115	0	0	0	
Hexachloroethane	1245	96	330	1667	0	74.7	35	110	0	0	0	
Nitrobenzene	1301	18	330	1667	0	78.0	40	115	0	0	0	
Isophorone	1413	51	330	1667	0	84.8	45	110	0	0	0	
2-Nitrophenol	1364	22	330	1667	0	81.8	40	110	0	0	0	
2,4-Dimethylphenol	802.6	53	330	1667	0	48.1	30	105	0	0	0	
2,4-Dichlorophenol	1337	17	330	1667	0	80.2	45	110	0	0	0	
1,2,4-Trichlorobenzene	1351	76	330	1667	0	81.0	45	110	0	0	0	
Naphthalene	1481	23	330	1667	0	88.9	40	105	0	0	0	
4-Chloroaniline	547.0	17	330	1667	0	32.8	10	95	0	0	0	
Bis(2-chloroethoxy)methane	1501	21	330	1667	0	90.0	45	110	0	0	0	
Hexachlorobutadiene	1414	32	330	1667	0	84.8	40	115	0	0	0	
4-Chloro-3-methylphenol	1400	20	330	1667	0	84.0	45	115	0	0	0	
2-Methylnaphthalene	1341	20	330	1667	0	80.4	45	105	0	0	0	
Hexachlorocyclopentadiene	1585	32	330	1667	0	95.1	8.0	148	0	0	0	
2,4,6-Trichlorophenol	1476	26	330	1667	0	88.6	45	110	0	0	0	
2,4,5-Trichlorophenol	1507	53	670	1667	0	90.4	50	110	0	0	0	
2-Chloronaphthalene	1500	52	330	1667	0	90.0	45	105	0	0	0	
2-Nitroaniline	1382	5.5	670	1667	0	82.9	45	120	0	0	0	
Dimethylphthalate	1359	6.5	330	1667	0	81.5	50	110	0	0	0	
Acenaphthylene	1492	10	330	1667	0	89.5	45	105	0	0	0	
2,6-Dinitrotoluene	1367	8.8	330	1667	0	82.0	50	110	0	0	0	
3-Nitroaniline	872.3	22	670	1667	0	52.3	25	110	0	0	0	
Acenaphthene	1483	8.4	330	1667	0	88.9	45	110	0	0	0	
2,4-Dinitrophenol	1146	100	670	1667	0	68.7	15	130	0	0	0	
2,4-Nitrophenol	1190	18	670	1667	0	71.4	15	140	0	0	0	
Dibenzofuran	1454	5.8	330	1667	0	87.2	50	105	0	0	0	
2,4-Dinitrotoluene	1361	6.0	330	1667	0	81.6	50	115	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J0944
 Project: 151 Mt. Hope Ave.

SW8270_S
 SW846 8270 -- SVOA by GC-MS

Sample ID: LCS-51450 SampType: LCS TestCode: SW8270_S Run ID: S3_100521A
 Client ID: LCS-51450 Batch ID: 51450 Units: µg/Kg Analysis Date: 05/21/10 13:39 SeqNo: 1294045
 Prep Date: 05/11/10 9:45

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diethylphthalate	1398	8.0	330	1667	0	83.8	50	115	0	0	0	
4-Chlorophenyl-phenylether	1477	15	330	1667	0	88.6	45	110	0	0	0	
Fluorene	1446	7.8	330	1667	0	86.8	50	110	0	0	0	
4-Nitroaniline	1156	25	670	1667	0	69.4	35	115	0	0	0	
4,6-Dinitro-2-methylphenol	1343	30	670	1667	0	80.6	30	135	0	0	0	
N-Nitrosodiphenylamine	1478	47	330	1667	0	88.6	50	115	0	0	0	
4-Bromophenyl-phenylether	1584	67	330	1667	0	95.0	45	115	0	0	0	
Hexachlorobenzene	1532	7.9	330	1667	0	91.9	45	120	0	0	0	
Pentachlorophenol	1314	82	670	1667	0	78.8	25	120	0	0	0	
Phenanthrene	1517	6.9	330	1667	0	91.0	50	110	0	0	0	
Anthracene	1473	19	330	1667	0	88.4	55	105	0	0	0	
Carbazole	1459	10	330	1667	0	87.5	45	115	0	0	0	
Di-n-butylphthalate	1501	5.8	330	1667	0	90.0	55	110	0	0	0	
Fluoranthene	1449	18	330	1667	0	86.9	55	115	0	0	0	
Pyrene	1724	7.4	330	1667	0	103	45	125	0	0	0	
Butylbenzylphthalate	1634	6.3	330	1667	0	98.0	50	125	0	0	0	
3,3'-Dichlorobenzidine	687.7	52	330	1667	0	41.3	10	130	0	0	0	
Benzo(a)anthracene	1584	17	330	1667	0	95.0	50	110	0	0	0	
Chrysene	1669	25	330	1667	0	100	55	110	0	0	0	
Bis(2-ethylhexyl)phthalate	1583	8.6	330	1667	0	94.9	45	125	0	0	0	
Di-n-octylphthalate	1737	44	330	1667	0	104	40	130	0	0	0	
Benzo(b)fluoranthene	1417	46	330	1667	0	85.0	45	115	0	0	0	
Benzo(k)fluoranthene	1854	19	330	1667	0	111	45	125	0	0	0	
Benzo(a)pyrene	1505	25	330	1667	0	90.3	50	110	0	0	0	
Indeno(1,2,3-cd)pyrene	1293	8.9	330	1667	0	77.6	40	120	0	0	0	
Dibenzo(a,h)anthracene	1414	5.8	330	1667	0	84.8	40	125	0	0	0	
Benzo(g,h,i)perylene	1400	17	330	1667	0	84.0	40	125	0	0	0	
Surrogate: Nitrobenzene-d5	1417	0	330	1667	0	85.0	35	100	0	0	0	
Surrogate: 2-Fluorobiphenyl	1464	0	330	1667	0	87.9	45	105	0	0	0	
Surrogate: Terphenyl-d14	1673	0	330	1667	0	100	30	125	0	0	0	
Surrogate: Phenol-d5	2369	0	330	2500	0	94.8	40	100	0	0	0	
Surrogate: 2-Fluorophenol	2445	0	330	2500	0	97.8	35	105	0	0	0	
Surrogate: 2,4,6-Tribromophenol	2465	0	330	2500	0	98.6	35	125	0	0	0	

0020

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J0944
 Project: 151 Mt. Hope Ave.

SW8270_S
 SW846 8270 -- SVOA by GC-MS

Sample ID: LCSD-51450 SampType: LCSD TestCode: SW8270_S Prep Date: 05/11/10 9:45 Run ID: S3_100521A
 Client ID: LCSD-51450 Batch ID: 51450 Units: µg/Kg Analysis Date: 05/21/10 14:04 SeqNo: 1294046

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	1533	29	330	1667	0	92.0	40	100	1467	4.39	40	40
Bis(2-chloroethyl)ether	1322	74	330	1667	0	79.3	40	105	1321	0.0762	40	40
2-Chlorophenol	1317	17	330	1667	0	79.0	45	105	1287	2.32	40	40
1,3-Dichlorobenzene	1295	21	330	1667	0	77.7	40	100	1265	2.34	40	40
1,4-Dichlorobenzene	1403	18	330	1667	0	84.1	35	105	1382	1.5	40	40
1,2-Dichlorobenzene	1311	17	330	1667	0	78.6	45	95	1290	1.57	40	40
2-Methylphenol	1248	23	330	1667	0	74.9	40	105	1266	1.38	40	40
2,2'-oxybis(1-Chloropropane)	1327	17	330	1667	0	79.6	20	115	1296	2.37	40	40
4-Methylphenol	1300	22	330	1667	0	78.0	40	105	1253	3.62	40	40
N-Nitroso-di-n-propylamine	1244	68	330	1667	0	74.7	40	115	1201	3.54	40	40
Hexachloroethane	1266	96	330	1667	0	75.9	35	110	1245	1.69	40	40
Nitrobenzene	1288	18	330	1667	0	77.3	40	115	1301	0.962	40	40
Isophorone	1449	51	330	1667	0	86.9	45	110	1413	2.49	40	40
2-Nitrophenol	1409	22	330	1667	0	84.5	40	110	1364	3.24	40	40
2,4-Dimethylphenol	609.1	53	330	1667	0	36.5	30	105	802.6	27.4	40	40
2,4-Dichlorophenol	1367	17	330	1667	0	82.0	45	110	1337	2.21	40	40
1,2,4-Trichlorobenzene	1409	76	330	1667	0	84.5	45	110	1351	4.23	40	40
Naphthalene	1520	23	330	1667	0	91.2	40	105	1481	2.62	40	40
4-Chloroaniline	717.0	17	330	1667	0	43.0	10	95	547.0	26.9	40	40
Bis(2-chloroethoxy)methane	1494	21	330	1667	0	89.6	45	110	1501	0.465	40	40
Hexachlorobutadiene	1512	32	330	1667	0	90.7	40	115	1414	6.74	40	40
4-Chloro-3-methylphenol	1437	20	330	1667	0	86.2	45	115	1400	2.66	40	40
2-Methylnaphthalene	1392	20	330	1667	0	83.5	45	105	1341	3.73	40	40
Hexachlorocyclopentadiene	1650	32	330	1667	0	99.0	8.0	148	1585	4.04	40	40
2,4,6-Trichlorophenol	1470	26	330	1667	0	88.2	45	110	1476	0.458	40	40
2,4,5-Trichlorophenol	1539	53	670	1667	0	92.3	50	110	1507	2.1	40	40
2-Chloronaphthalene	1516	52	330	1667	0	90.9	45	105	1500	1.05	40	40
2-Nitroaniline	1461	5.5	670	1667	0	87.6	45	120	1382	5.55	40	40
Dimethylphthalate	1408	6.5	330	1667	0	84.5	50	110	1359	3.52	40	40
Acenaphthylene	1527	10	330	1667	0	91.6	45	105	1492	2.29	40	40
2,6-Dinitrotoluene	1454	8.8	330	1667	0	87.2	50	110	1367	6.17	40	40
3-Nitroaniline	986.5	22	670	1667	0	59.2	25	110	872.3	12.3	40	40
Acenaphthene	1480	8.4	330	1667	0	88.8	45	110	1483	0.169	40	40
2,4-Dinitrophenol	1215	100	670	1667	0	72.9	15	130	1146	5.83	40	40
4-Nitrophenol	1228	18	670	1667	0	73.6	15	140	1190	3.13	40	40
Dibenzofuran	1466	5.8	330	1667	0	88.0	50	105	1454	0.845	40	40
2,4-Dinitrotoluene	1377	6.0	330	1667	0	82.6	50	115	1361	1.16	40	40

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J0944
 Project: 151 Mt. Hope Ave.

SW8270_S
 SW846 8270 -- SVOA by GC-MS

Run ID: S3_100521A
 SeqNo: 1294046

Prep Date: 05/11/10 9:45
 Analysis Date: 05/21/10 14:04

TestCode: SW8270_S
 Units: µg/Kg

SampType: LCSD
 Batch ID: 51450

Sample ID: LCSD-51450
 Client ID: LCSD-51450

Analyte	Result	MDL	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diethylphthalate	1446	8.0	330	1667	0	86.7	50	115	1398	3.38	40	
4-Chlorophenyl-phenylether	1475	15	330	1667	0	88.5	45	110	1477	0.139	40	
Fluorene	1443	7.8	330	1667	0	86.6	50	110	1446	0.227	40	
4-Nitroaniline	1170	25	670	1667	0	70.2	35	115	1156	1.16	40	
4,6-Dinitro-2-methylphenol	1428	30	670	1667	0	85.6	30	135	1343	6.09	40	
N-Nitrosodiphenylamine	1487	47	330	1667	0	89.2	50	115	1478	0.614	40	
4-Bromophenyl-phenylether	1577	67	330	1667	0	94.6	45	115	1584	0.469	40	
Hexachlorobenzene	1561	7.9	330	1667	0	93.7	45	120	1532	1.9	40	
Pentachlorophenol	1344	82	670	1667	0	80.7	25	120	1314	2.31	40	
Phenanthrene	1534	6.9	330	1667	0	92.0	50	110	1517	1.12	40	
Anthracene	1519	19	330	1667	0	91.1	55	105	1473	3.07	40	
Carbazole	1484	10	330	1667	0	89.0	45	115	1459	1.73	40	
Di-n-butylphthalate	1526	5.8	330	1667	0	91.5	55	110	1501	1.66	40	
Fluoranthene	1484	18	330	1667	0	89.0	55	115	1449	2.42	40	
Pyrene	1688	7.4	330	1667	0	101	45	125	1724	2.11	40	
Butylbenzylphthalate	1582	6.3	330	1667	0	94.9	50	125	1634	3.21	40	
3,3'-Dichlorobenzidine	605.1	52	330	1667	0	36.3	10	130	687.7	12.8	40	
Benzo(a)anthracene	1571	17	330	1667	0	94.3	50	110	1584	0.798	40	
Chrysene	1651	25	330	1667	0	99.0	55	110	1669	1.13	40	
Bis(2-ethylhexyl)phthalate	1601	8.6	330	1667	0	96.1	45	125	1583	1.18	40	
Di-n-octylphthalate	1707	44	330	1667	0	102	40	130	1737	1.77	40	
Benzo(b)fluoranthene	1409	46	330	1667	0	84.5	45	115	1417	0.596	40	
Benzo(k)fluoranthene	1803	19	330	1667	0	108	45	125	1854	2.81	40	
Benzo(a)pyrene	1503	25	330	1667	0	90.2	50	110	1505	0.0832	40	
Indeno(1,2,3-cd)pyrene	1283	8.9	330	1667	0	77.0	40	120	1293	0.823	40	
Dibenzo(a,h)anthracene	1414	5.8	330	1667	0	84.8	40	125	1414	0.00361	40	
Benzo(g,h,i)perylene	1369	17	330	1667	0	82.1	40	125	1400	2.25	40	
Surrogate: Nitrobenzene-d5	1486	0	330	1667	0	89.1	35	100	0	0	40	
Surrogate: 2-Fluorobiphenyl	1469	0	330	1667	0	88.1	45	105	0	0	40	
Surrogate: Terphenyl-d14	1646	0	330	1667	0	98.7	30	125	0	0	40	
Surrogate: Phenol-d5	2486	0	330	2500	0	99.5	40	100	0	0	40	
Surrogate: 2-Fluorophenol	2537	0	330	2500	0	101	35	105	0	0	40	
Surrogate: 2,4,6-Tribromophenol	2479	0	330	2500	0	99.1	35	125	0	0	40	

0001

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

Mitkem Laboratories

Date: 26-May-10

Client: Day Environmental Inc.

Client Sample ID: MW10-1 (7'-8')

Project: 151 Mt. Hope Ave.

Lab ID: J0944-01

Collection Date: 05/05/10 9:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_S
Arsenic	8.6		1.0	mg/Kg		105/25/2010 12:05	51805
Barium	85		10	mg/Kg		105/25/2010 12:05	51805
Cadmium	0.23	J	0.26	mg/Kg		105/25/2010 12:05	51805
Chromium	9.0		1.0	mg/Kg		105/25/2010 12:05	51805
Lead	290		0.52	mg/Kg		105/25/2010 12:05	51805
Selenium	2.2		1.6	mg/Kg		105/25/2010 12:05	51805
Silver	ND		1.6	mg/Kg		105/25/2010 12:05	51805
SW846 7471 -- Mercury by FIA							SW7471
Mercury	0.55		0.045	mg/Kg		105/25/2010 11:33	51807

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0032

Mitkem Laboratories

Date: 26-May-10

Client: Day Environmental Inc.

Client Sample ID: MW10-1 (10'-11')

Project: 151 Mt. Hope Ave.

Lab ID: J0944-03

Collection Date: 05/05/10 9:22

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_S
Arsenic	36		1.2	mg/Kg		1 05/25/2010 12:08	51805
Barium	120		12	mg/Kg		1 05/25/2010 12:08	51805
Cadmium	0.28	J	0.31	mg/Kg		1 05/25/2010 12:08	51805
Chromium	11		1.2	mg/Kg		1 05/25/2010 12:08	51805
Lead	110		0.61	mg/Kg		1 05/25/2010 12:08	51805
Selenium	ND		1.8	mg/Kg		1 05/25/2010 12:08	51805
Silver	ND		1.8	mg/Kg		1 05/25/2010 12:08	51805
SW846 7471 -- Mercury by FIA							SW7471
Mercury	0.32		0.057	mg/Kg		1 05/25/2010 11:34	51807

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0033

Mitkem Laboratories

Date: 26-May-10

Client: Day Environmental Inc.

Client Sample ID: MW10-2 (8'-9.5')

Project: 151 Mt. Hope Ave.

Lab ID: J0944-05

Collection Date: 05/05/10 11:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_S
Arsenic	9.1		0.83	mg/Kg		1 05/25/2010 12:11	51805
Barium	88		8.3	mg/Kg		1 05/25/2010 12:11	51805
Cadmium	0.29		0.21	mg/Kg		1 05/25/2010 12:11	51805
Chromium	11		0.83	mg/Kg		1 05/25/2010 12:11	51805
Lead	270		0.41	mg/Kg		1 05/25/2010 12:11	51805
Selenium	1.3		1.2	mg/Kg		1 05/25/2010 12:11	51805
Silver	ND		1.2	mg/Kg		1 05/25/2010 12:11	51805
SW846 7471 -- Mercury by FIA							SW7471
Mercury	0.27		0.054	mg/Kg		1 05/25/2010 11:35	51807

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: 26-May-10

Client: Day Environmental Inc.

Client Sample ID: MW10-3 (10'-12')

Lab ID: J0944-06

Project: 151 Mt. Hope Ave.

Collection Date: 05/06/10 8:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_S
Arsenic	10		1.1	mg/Kg		105/25/2010 12:14	51805
Barium	260		11	mg/Kg		105/25/2010 12:14	51805
Cadmium	0.71		0.27	mg/Kg		105/25/2010 12:14	51805
Chromium	12		1.1	mg/Kg		105/25/2010 12:14	51805
Lead	26		0.54	mg/Kg		105/25/2010 12:14	51805
Selenium	1.2	J	1.6	mg/Kg		105/25/2010 12:14	51805
Silver	ND		1.6	mg/Kg		105/25/2010 12:14	51805
SW846 7471 -- Mercury by FIA							SW7471
Mercury	ND		0.050	mg/Kg		105/25/2010 11:37	51807

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0035

Mitkem Laboratories

Date: 26-May-10

Client: Day Environmental Inc.

Client Sample ID: MW10-3 (13')

Lab ID: J0944-07

Project: 151 Mt. Hope Ave.

Collection Date: 05/06/10 8:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_S
Arsenic	6.3		0.78	mg/Kg		1 05/25/2010 12:17	51805
Barium	97		7.8	mg/Kg		1 05/25/2010 12:17	51805
Cadmium	0.79		0.19	mg/Kg		1 05/25/2010 12:17	51805
Chromium	31		0.78	mg/Kg		1 05/25/2010 12:17	51805
Lead	110		0.39	mg/Kg		1 05/25/2010 12:17	51805
Selenium	5.6		1.2	mg/Kg		1 05/25/2010 12:17	51805
Silver	2.9		1.2	mg/Kg		1 05/25/2010 12:17	51805
SW846 7471 -- Mercury by FIA							SW7471
Mercury	0.27		0.057	mg/Kg		1 05/25/2010 11:38	51807

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0036

CLIENT: Day Environmental Inc.
 Work Order: J0944
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
 SW6010_S
 SW846 6010 -- Metals by ICP

Sample ID: MB-51805 SampType: MBLK TestCode: SW6010_S Prep Date: 05/24/10 12:10 Run ID: OPTIMA3_100525C
 Client ID: MB-51805 Batch ID: 51805 Units: mg/Kg Analysis Date: 05/25/10 11:59 SeqNo: 1298446

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.16	1.0									
Barium	ND	0.38	10									
Cadmium	ND	0.013	0.25									
Chromium	ND	0.054	1.0									
Lead	ND	0.14	0.50									
Selenium	ND	0.78	1.5									
Silver	ND	0.079	1.5									

Sample ID: LCS-51805 SampType: LCS TestCode: SW6010_S Prep Date: 05/24/10 12:10 Run ID: OPTIMA3_100525C
 Client ID: LCS-51805 Batch ID: 51805 Units: mg/Kg Analysis Date: 05/25/10 12:01 SeqNo: 1298447

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	24.56	0.16	1.0	22.75	0	108	80	120	0	0	0	
Barium	494.5	0.38	10	455.0	0	109	80	120	0	0	0	
Cadmium	12.12	0.013	0.25	11.35	0	107	80	120	0	0	0	
Chromium	48.12	0.054	1.0	45.50	0	106	80	120	0	0	0	
Lead	24.81	0.14	0.50	22.75	0	109	80	120	0	0	0	
Selenium	22.96	0.78	1.5	22.75	0	101	80	120	0	0	0	
Silver	60.76	0.079	1.5	56.50	0	108	75	120	0	0	0	

0037

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J0944
 Project: 151 Mt. Hope Ave.

SW7471
 SW846 7471 -- Mercury by FIA

Sample ID: MB-51807	SampType: MBLK	TestCode: SW7471	Prep Date: 05/24/10 18:30	Run ID: FIMS1_100525A	
Client ID: MB-51807	Batch ID: 51807	Units: mg/Kg	Analysis Date: 05/25/10 11:14	SeqNo: 1297594	
Analyte	Result	MDL	SPK Ref Val	%REC	LowLimit HighLimit
Mercury	ND	0.0048			RPD Ref Val %RPD RPDLimit Qual
					0.033

Sample ID: LCS-51807	SampType: LCS	TestCode: SW7471	Prep Date: 05/24/10 18:30	Run ID: FIMS1_100525A	
Client ID: LCS-51807	Batch ID: 51807	Units: mg/Kg	Analysis Date: 05/25/10 11:16	SeqNo: 1297595	
Analyte	Result	MDL	SPK Ref Val	%REC	LowLimit HighLimit
Mercury	0.7960	0.0048	0	105	80 120
			0.7580		0

0000

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

WorkOrder: J0944

05/11/2010 11:56

Mitek Laboratories

Client ID: DAY

Project: 151 Mt. Hope Ave.

WO Name: 151 Mt. Hope Ave.

Location: 151_MT_HOPE,

Comments: N/A

Case:

SDG:

HC Due: 05/19/10

Fax Due:

Fax Report:

Report Level: LEVEL 2

Special Program:

EDD: GISKEY

PO: 4302S-09

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
J0944-01A	MW10-1 (7'-8')	05/05/2010 09:00	05/07/2010	Soil	PMoist	/					L2
J0944-01A	MW10-1 (7'-8')	05/05/2010 09:00	05/07/2010	Soil	SW6010_S	/ RCRA8				Y	L2
J0944-01A	MW10-1 (7'-8')	05/05/2010 09:00	05/07/2010	Soil	SW7471	/ RCRA8					L2
J0944-02A	MW10-1 (8.5'-10')	05/05/2010 09:20	05/07/2010	Soil	PMoist	/					L2
J0944-02A	MW10-1 (8.5'-10')	05/05/2010 09:20	05/07/2010	Soil	SW8270_S	/					L2
J0944-03A	MW10-1 (10'-11')	05/05/2010 09:22	05/07/2010	Soil	PMoist	/					L2
J0944-03A	MW10-1 (10'-11')	05/05/2010 09:22	05/07/2010	Soil	SW6010_S	/ RCRA8				Y	L2
J0944-03A	MW10-1 (10'-11')	05/05/2010 09:22	05/07/2010	Soil	SW7471	/ RCRA8					L2
J0944-04A	MW10-2 (5.5'-6')	05/05/2010 11:10	05/07/2010	Soil	PMoist	/					VOA
J0944-04A	MW10-2 (5.5'-6')	05/05/2010 11:10	05/07/2010	Soil	SW8260_LOW_S	/					VOA
J0944-05A	MW10-2 (8'-9.5')	05/05/2010 11:25	05/07/2010	Soil	PMoist	/					L2
J0944-05A	MW10-2 (8'-9.5')	05/05/2010 11:25	05/07/2010	Soil	SW6010_S	/ RCRA8				Y	L2
J0944-05A	MW10-2 (8'-9.5')	05/05/2010 11:25	05/07/2010	Soil	SW7471	/ RCRA8					L2
J0944-05B	MW10-2 (8'-9.5')	05/05/2010 11:25	05/07/2010	Soil	SW8270_S	/					L2
J0944-06A	MW10-3 (10'-12')	05/06/2010 08:25	05/07/2010	Soil	PMoist	/					L2
J0944-06A	MW10-3 (10'-12')	05/06/2010 08:25	05/07/2010	Soil	SW6010_S	/ RCRA8				Y	L2
J0944-06A	MW10-3 (10'-12')	05/06/2010 08:25	05/07/2010	Soil	SW7471	/ RCRA8					L2
J0944-06B	MW10-3 (10'-12')	05/06/2010 08:25	05/07/2010	Soil	SW8270_S	/					L2
J0944-07A	MW10-3 (13')	05/06/2010 08:30	05/07/2010	Soil	PMoist	/					L2
J0944-07A	MW10-3 (13')	05/06/2010 08:30	05/07/2010	Soil	SW6010_S	/ RCRA8				Y	L2
J0944-07A	MW10-3 (13')	05/06/2010 08:30	05/07/2010	Soil	SW7471	/ RCRA8					L2

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

WorkOrder: J0944

05/11/2010 11:56

Mitkem Laboratories

Client ID: DAY

Project: 151 Mt. Hope Ave.

WO Name: 151 Mt. Hope Ave.

Location: 151_MT_HOPE,

Comments: N/A

Case:

SDG:

PO: 4302S-09

HC Due: 05/19/10

Fax Due:

Fax Report:

Report Level: LEVEL 2

Special Program:

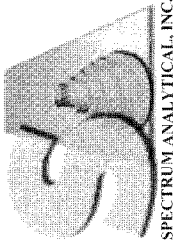
EDD: GISKEY

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
J0944-08A	TB050610	05/06/2010 00:00	05/07/2010	Aqueous	SW8260_W	/					VOA

05040

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold



HANIBAL TECHNOLOGY
Featuring
SPECTRUM ANALYTICAL, INC.

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- Standard TAT - 7 to 10 business days
- Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: JEFF DUNLAP, INC
DRY ENVIRONMENTAL INC
40 COMMERCIAL STREET
ROCHESTER NY 14614
 Telephone #: 585 454 0210 x114
 Project Mgr. _____

Invoice To: SAME

 P.O. No.: _____ RQN: _____

Project No.: 4302 S-09
 Site Name: 151 MT. HOPE AVENUE
 Location: ROCHESTER State: NY
 Sampler(s): C. Hampton

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
 8=NaHSO₄ 9= _____ 10= _____ 11= _____

List preservative code below:

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1= _____ X2= _____ X3= _____

Containers:

of VOA Vials _____
 # of Amber Glass _____
 # of Clear Glass _____
 # of Plastic _____

QA/QC Reporting Notes:
 (check as needed)

- Provide MA DEP MCP CAM Report
- Provide CT DPH RCP Report
- QA/QC Reporting Level
 - Standard
 - No QC
 - Other _____

Matrix

Type

Lab Id.	Sample Id.	Date:	Time:	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Temp °C
5094A-01	MW10-1 (7'-8')	5-5-10	1:00	G	1				
	MW10-1 (8.5'-10')	5-5-10	9:20	G	1				
	MW10-1 (10'-11')	5-5-10	9:22	G	1				
	MW10-2 (5.5'-6')	5-5-10	11:10	G	1				
	MW10-2 (8'-9.5')	5-5-10	11:25	G	1				
	MW10-3 (10'-12')	5-6-10	8:25	G	1				
	MW10-3 (13')	5-6-10	8:30	G	1				
5094A-08	TB050610	5-6-10	---	H ₂ O	3				2°C

Relinquished by: [Signature]
 Received by: Fed Ex
[Signature]
 FedEx

EDD Format _____
 E-mail to _____
 Ambient Iced Refrigerated Fridge temp _____ °C Freezer temp _____ °C

0044

MITKEM LABORATORIES
Sample Condition Form

Received By: VEG Reviewed By: CAW Date: 5/17/10 Mitkem Work Order #: JO944

Client Project: 151 MT HOPE Client: DAU Soil Headspace or Air Bubble \geq 1/4"

	Lab Sample ID	Preservation (pH)					VOA Matrix	
		HNO ₃	H ₂ SO ₄	HCl	NaOH	H ₃ PO ₄		
1) Cooler Sealed <u>Yes</u> / No	<u>JO944</u> <u>01</u>							
	<u>02</u>							
2) Custody Seal(s) <u>Present</u> / Absent	<u>03</u>						<u>US</u>	<u>VEG 5/17/10</u>
<u>3</u> Coolers / Bottles	<u>04</u>						<u>US</u>	
<u>Intact</u> / Broken	<u>05</u>							
	<u>06</u>							
3) Custody Seal Number(s) <u>NA</u>	<u>07</u>							
	<u>JO944</u> <u>08</u>						<u>H</u>	
4) Chain-of-Custody <u>Present</u> / Absent								
5) Cooler Temperature <u>20C</u>								
IR Temp Gun ID <u>MT-1</u>								
Coolant Condition <u>ICE</u>								
6) Airbill(s) <u>Present</u> / Absent								
Airbill Number(s) <u>FDEX</u>								
<u>870986444720</u>								
7) Samples Bottles <u>Intact</u> / Broken / Leaking								
8) Date Received <u>5/17/10</u>								
9) Time Received <u>9:40</u>								

Preservative Name/Lot No.:

VOA Matrix Key:

US = Unpreserved Soil A = Air

UA = Unpreserved Aqueous H = HCl

M = MeOH E = Encore

N = NaHSO₄ F = Freeze

See Sample Condition Notification/Corrective Action Form yes / no

Form ID: QAF.0006 Rad OK yes / no

Last Page of Data Report

Report Date:
18-Jun-10 11:38



- Final Report
- Re-Issued Report
- Revised Report

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY
Laboratory Report

Day Environmental Inc.
40 Commercial Street
Rochester, NY 14614-1008

Work Order: J1185
Project: 151 Mt. Hope Ave.
Project #:

Attn: Jeff Danzinger

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
J1185-01	MW10-1	Aqueous	04-Jun-10 13:45	08-Jun-10 08:45
J1185-02	MW10-2	Aqueous	04-Jun-10 15:15	08-Jun-10 08:45
J1185-03	MW10-3	Aqueous	04-Jun-10 11:15	08-Jun-10 08:45
J1185-04	TB6/4/10	Aqueous	04-Jun-10 00:00	08-Jun-10 08:45

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received.

All applicable NELAC or USEPA CLP requirements have been met.

Mitkem Laboratories is accredited under the National Environmental Laboratory Approval Program (NELAP) and is certified by several States, as well as USEPA and US Department of Defense. The current list of our laboratory approvals and certifications is available on the Certifications page our web site at www.mitkem.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
Texas	T104704422-08-TX
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-05-030



Authorized by:

A handwritten signature in black ink, appearing to read 'Yihai Ding'.

Yihai Ding
Laboratory Director

Technical Reviewer's Initials: YD

Analytical Data Package for Day Environmental Inc.

Client Project: 151 Mt. Hope Ave.

Mitkem Work Order ID: J1185

June 18, 2010

Prepared For: Day Environmental Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Jeff Danzinger

Prepared By: Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

Client: Day Environmental Inc.

Client Project: 151 Mt. Hope Ave.

Lab Project ID: J1185

Date samples received: 06/08/10

Project Narrative

This data report includes the analysis results for four (4) samples that were received from Day Environmental Inc. on June 8, 2010. Analyses were performed per specification on the Chain of Custody form. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the client sample ID and the laboratory sample ID.

Percent recoveries for surrogate standards for volatiles analysis were within the QC limits. The recoveries and percent RPDs for the volatile laboratory control samples were within the QC limits. No other unusual observations were made during sample analysis.

Percent recoveries for surrogate standards for semivolatiles analysis were within the QC limits. The recoveries for semivolatile laboratory control samples were within the QC limits with the exception of marginally high recovery of pentachlorophenol and low recovery of 3,3'-dichlorobenzidine in LCS-52173 and marginally low recovery of hexachlorocyclopentadiene in LCSD-52173. Percent RPDs were within the QC limits with the exception of several analytes. No other unusual observations were made during sample analysis.

Spike recoveries for the laboratory control sample for metals were within the QC limits. Serial dilution was performed on sample MW10-3. Percent RPD were within the QC limits with the exception of barium and selenium. No other unusual observations were made during sample analysis.

The pages in this report have been numbered consecutively, which starts with the title page and ends with the page labeled as "Last Page of data Report".

This data report has been reviewed and is authorized for release as evidenced by the signature below.



Agnes Huntley
CLP Project Manager

Mitkem Laboratories

Date: 17-Jun-10

Client: Day Environmental Inc.

Client Sample ID: MW10-1

Project: 151 Mt. Hope Ave.

Lab ID: J1185-01

Collection Date: 06/04/10 13:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS							SW8260_W
Dichlorodifluoromethane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Chloromethane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Vinyl chloride	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Bromomethane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Chloroethane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Trichlorofluoromethane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,1-Dichloroethene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Acetone	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Iodomethane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Carbon disulfide	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Methylene chloride	ND		5.0	µg/L		1 06/14/2010 16:49	52287
trans-1,2-Dichloroethene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Methyl tert-butyl ether	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,1-Dichloroethane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Vinyl acetate	ND		5.0	µg/L		1 06/14/2010 16:49	52287
2-Butanone	ND		5.0	µg/L		1 06/14/2010 16:49	52287
cis-1,2-Dichloroethene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
2,2-Dichloropropane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Bromochloromethane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Chloroform	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,1,1-Trichloroethane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,1-Dichloropropene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Carbon tetrachloride	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,2-Dichloroethane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Benzene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Trichloroethene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,2-Dichloropropane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Dibromomethane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Bromodichloromethane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
cis-1,3-Dichloropropene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
4-Methyl-2-pentanone	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Toluene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
trans-1,3-Dichloropropene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,1,2-Trichloroethane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,3-Dichloropropane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Tetrachloroethene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
2-Hexanone	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Dibromochloromethane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,2-Dibromoethane	ND		5.0	µg/L		1 06/14/2010 16:49	52287

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 17-Jun-10

Client: Day Environmental Inc.

Client Sample ID: MW10-1

Lab ID: J1185-01

Project: 151 Mt. Hope Ave.

Collection Date: 06/04/10 13:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS							SW8260_W
Chlorobenzene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Ethylbenzene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
m,p-Xylene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
o-Xylene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Xylene (Total)	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Styrene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Bromoform	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Isopropylbenzene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Bromobenzene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,2,3-Trichloropropane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
n-Propylbenzene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
2-Chlorotoluene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,3,5-Trimethylbenzene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
4-Chlorotoluene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
tert-Butylbenzene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,2,4-Trimethylbenzene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
sec-Butylbenzene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
4-Isopropyltoluene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,3-Dichlorobenzene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,4-Dichlorobenzene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
n-Butylbenzene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,2-Dichlorobenzene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,2-Dibromo-3-chloropropane	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,2,4-Trichlorobenzene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Hexachlorobutadiene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
1,2,3-Trichlorobenzene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Naphthalene	ND		5.0	µg/L		1 06/14/2010 16:49	52287
Surrogate: Dibromofluoromethane	101		85-115	%REC		1 06/14/2010 16:49	52287
Surrogate: 1,2-Dichloroethane-d4	103		70-120	%REC		1 06/14/2010 16:49	52287
Surrogate: Toluene-d8	93.5		85-120	%REC		1 06/14/2010 16:49	52287
Surrogate: Bromofluorobenzene	94.5		75-120	%REC		1 06/14/2010 16:49	52287

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 17-Jun-10

Client: Day Environmental Inc.

Client Sample ID: MW10-2

Lab ID: J1185-02

Project: 151 Mt. Hope Ave.

Collection Date: 06/04/10 15:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS							SW8260_W
Dichlorodifluoromethane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Chloromethane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Vinyl chloride	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Bromomethane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Chloroethane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Trichlorofluoromethane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,1-Dichloroethene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Acetone	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Iodomethane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Carbon disulfide	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Methylene chloride	ND		5.0	µg/L		1 06/14/2010 17:17	52287
trans-1,2-Dichloroethene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Methyl tert-butyl ether	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,1-Dichloroethane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Vinyl acetate	ND		5.0	µg/L		1 06/14/2010 17:17	52287
2-Butanone	ND		5.0	µg/L		1 06/14/2010 17:17	52287
cis-1,2-Dichloroethene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
2,2-Dichloropropane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Bromochloromethane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Chloroform	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,1,1-Trichloroethane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,1-Dichloropropene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Carbon tetrachloride	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,2-Dichloroethane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Benzene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Trichloroethene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,2-Dichloropropane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Dibromomethane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Bromodichloromethane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
cis-1,3-Dichloropropene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
4-Methyl-2-pentanone	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Toluene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
trans-1,3-Dichloropropene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,1,2-Trichloroethane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,3-Dichloropropane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Tetrachloroethene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
2-Hexanone	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Dibromochloromethane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,2-Dibromoethane	ND		5.0	µg/L		1 06/14/2010 17:17	52287

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 17-Jun-10

Client: Day Environmental Inc.

Client Sample ID: MW10-2

Project: 151 Mt. Hope Ave.

Lab ID: J1185-02

Collection Date: 06/04/10 15:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS							SW8260_W
Chlorobenzene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Ethylbenzene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
m,p-Xylene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
o-Xylene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Xylene (Total)	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Styrene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Bromoform	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Isopropylbenzene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Bromobenzene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,2,3-Trichloropropane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
n-Propylbenzene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
2-Chlorotoluene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,3,5-Trimethylbenzene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
4-Chlorotoluene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
tert-Butylbenzene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,2,4-Trimethylbenzene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
sec-Butylbenzene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
4-Isopropyltoluene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,3-Dichlorobenzene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,4-Dichlorobenzene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
n-Butylbenzene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,2-Dichlorobenzene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,2-Dibromo-3-chloropropane	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,2,4-Trichlorobenzene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Hexachlorobutadiene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
1,2,3-Trichlorobenzene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Naphthalene	ND		5.0	µg/L		1 06/14/2010 17:17	52287
Surrogate: Dibromofluoromethane	106		85-115	%REC		1 06/14/2010 17:17	52287
Surrogate: 1,2-Dichloroethane-d4	101		70-120	%REC		1 06/14/2010 17:17	52287
Surrogate: Toluene-d8	94.1		85-120	%REC		1 06/14/2010 17:17	52287
Surrogate: Bromofluorobenzene	93.0		75-120	%REC		1 06/14/2010 17:17	52287

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 17-Jun-10

Client: Day Environmental Inc.

Client Sample ID: MW10-3

Project: 151 Mt. Hope Ave.

Lab ID: J1185-03

Collection Date: 06/04/10 11:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS							SW8260_W
Dichlorodifluoromethane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Chloromethane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Vinyl chloride	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Bromomethane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Chloroethane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Trichlorofluoromethane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,1-Dichloroethene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Acetone	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Iodomethane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Carbon disulfide	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Methylene chloride	ND		5.0	µg/L		1 06/14/2010 17:46	52287
trans-1,2-Dichloroethene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Methyl tert-butyl ether	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,1-Dichloroethane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Vinyl acetate	ND		5.0	µg/L		1 06/14/2010 17:46	52287
2-Butanone	ND		5.0	µg/L		1 06/14/2010 17:46	52287
cis-1,2-Dichloroethene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
2,2-Dichloropropane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Bromochloromethane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Chloroform	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,1,1-Trichloroethane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,1-Dichloropropene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Carbon tetrachloride	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,2-Dichloroethane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Benzene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Trichloroethene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,2-Dichloropropane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Dibromomethane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Bromodichloromethane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
cis-1,3-Dichloropropene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
4-Methyl-2-pentanone	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Toluene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
trans-1,3-Dichloropropene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,1,2-Trichloroethane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,3-Dichloropropane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Tetrachloroethene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
2-Hexanone	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Dibromochloromethane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,2-Dibromoethane	ND		5.0	µg/L		1 06/14/2010 17:46	52287

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 17-Jun-10

Client: Day Environmental Inc.

Client Sample ID: MW10-3

Project: 151 Mt. Hope Ave.

Lab ID: J1185-03

Collection Date: 06/04/10 11:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS							SW8260_W
Chlorobenzene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Ethylbenzene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
m,p-Xylene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
o-Xylene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Xylene (Total)	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Styrene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Bromoform	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Isopropylbenzene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Bromobenzene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,2,3-Trichloropropane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
n-Propylbenzene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
2-Chlorotoluene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,3,5-Trimethylbenzene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
4-Chlorotoluene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
tert-Butylbenzene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,2,4-Trimethylbenzene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
sec-Butylbenzene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
4-Isopropyltoluene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,3-Dichlorobenzene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,4-Dichlorobenzene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
n-Butylbenzene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,2-Dichlorobenzene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,2-Dibromo-3-chloropropane	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,2,4-Trichlorobenzene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Hexachlorobutadiene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
1,2,3-Trichlorobenzene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Naphthalene	ND		5.0	µg/L		1 06/14/2010 17:46	52287
Surrogate: Dibromofluoromethane	105		85-115	%REC		1 06/14/2010 17:46	52287
Surrogate: 1,2-Dichloroethane-d4	102		70-120	%REC		1 06/14/2010 17:46	52287
Surrogate: Toluene-d8	94.3		85-120	%REC		1 06/14/2010 17:46	52287
Surrogate: Bromofluorobenzene	92.9		75-120	%REC		1 06/14/2010 17:46	52287

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 17-Jun-10

Client: Day Environmental Inc.

Client Sample ID: TB6/4/10

Lab ID: J1185-04

Project: 151 Mt. Hope Ave.

Collection Date: 06/04/10 0:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS							SW8260_W
Dichlorodifluoromethane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Chloromethane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Vinyl chloride	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Bromomethane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Chloroethane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Trichlorofluoromethane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,1-Dichloroethene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Acetone	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Iodomethane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Carbon disulfide	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Methylene chloride	ND		5.0	µg/L		1 06/14/2010 15:52	52287
trans-1,2-Dichloroethene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Methyl tert-butyl ether	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,1-Dichloroethane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Vinyl acetate	ND		5.0	µg/L		1 06/14/2010 15:52	52287
2-Butanone	ND		5.0	µg/L		1 06/14/2010 15:52	52287
cis-1,2-Dichloroethene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
2,2-Dichloropropane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Bromochloromethane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Chloroform	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,1,1-Trichloroethane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,1-Dichloropropene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Carbon tetrachloride	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,2-Dichloroethane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Benzene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Trichloroethene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,2-Dichloropropane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Dibromomethane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Bromodichloromethane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
cis-1,3-Dichloropropene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
4-Methyl-2-pentanone	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Toluene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
trans-1,3-Dichloropropene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,1,2-Trichloroethane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,3-Dichloropropane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Tetrachloroethene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
2-Hexanone	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Dibromochloromethane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,2-Dibromoethane	ND		5.0	µg/L		1 06/14/2010 15:52	52287

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 17-Jun-10

Client: Day Environmental Inc.

Client Sample ID: TB6/4/10

Lab ID: J1185-04

Project: 151 Mt. Hope Ave.

Collection Date: 06/04/10 0:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS							SW8260_W
Chlorobenzene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Ethylbenzene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
m,p-Xylene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
o-Xylene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Xylene (Total)	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Styrene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Bromoform	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Isopropylbenzene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Bromobenzene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,2,3-Trichloropropane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
n-Propylbenzene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
2-Chlorotoluene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,3,5-Trimethylbenzene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
4-Chlorotoluene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
tert-Butylbenzene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,2,4-Trimethylbenzene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
sec-Butylbenzene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
4-Isopropyltoluene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,3-Dichlorobenzene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,4-Dichlorobenzene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
n-Butylbenzene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,2-Dichlorobenzene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,2-Dibromo-3-chloropropane	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,2,4-Trichlorobenzene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Hexachlorobutadiene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
1,2,3-Trichlorobenzene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Naphthalene	ND		5.0	µg/L		1 06/14/2010 15:52	52287
Surrogate: Dibromofluoromethane	107		85-115	%REC		1 06/14/2010 15:52	52287
Surrogate: 1,2-Dichloroethane-d4	106		70-120	%REC		1 06/14/2010 15:52	52287
Surrogate: Toluene-d8	93.6		85-120	%REC		1 06/14/2010 15:52	52287
Surrogate: Bromofluorobenzene	92.4		75-120	%REC		1 06/14/2010 15:52	52287

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
Work Order: J1185
Project: 151 Mt. Hope Ave.

SW8260_W
SW846 8260C -- VOC by GC-MS

Sample ID: MB-52287 **Sample Type:** MBLK **Test Code:** SW8260_W **Run ID:** V1_100614C
Client ID: MB-52287 **Batch ID:** 52287 **Units:** µg/L **Prep Date:** 06/14/10 8:54 **SeqNo:** 1314153
Analysis Date: 06/14/10 11:11

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	0.47	5.0									
Chloromethane	ND	0.54	5.0									
Vinyl chloride	ND	0.78	5.0									
Bromomethane	ND	0.74	5.0									
Chloroethane	ND	0.89	5.0									
Trichlorofluoromethane	ND	0.60	5.0									
1,1-Dichloroethene	ND	0.64	5.0									
Acetone	ND	4.6	5.0									
Iodomethane	ND	0.37	5.0									
Carbon disulfide	ND	0.34	5.0									
Methylene chloride	ND	0.83	5.0									
trans-1,2-Dichloroethene	ND	0.37	5.0									
Methyl tert-butyl ether	ND	0.25	5.0									
1,1-Dichloroethane	ND	0.24	5.0									
Vinyl acetate	ND	0.43	5.0									
2-Butanone	ND	2.0	5.0									
cis-1,2-Dichloroethene	ND	0.34	5.0									
2,2-Dichloropropane	ND	0.22	5.0									
Bromochloromethane	ND	0.30	5.0									
Chloroform	ND	0.30	5.0									
1,1,1-Trichloroethane	ND	0.18	5.0									
1,1-Dichloropropene	ND	0.38	5.0									
Carbon tetrachloride	ND	0.11	5.0									
1,2-Dichloroethane	ND	0.16	5.0									
Benzene	ND	0.12	5.0									
Trichloroethene	ND	0.25	5.0									
1,2-Dichloropropane	ND	0.24	5.0									
Dibromomethane	ND	0.26	5.0									
Bromodichloromethane	ND	0.20	5.0									
cis-1,3-Dichloropropene	ND	0.22	5.0									
4-Methyl-2-pentanone	ND	1.5	5.0									
Toluene	ND	0.15	5.0									
trans-1,3-Dichloropropene	ND	0.27	5.0									
1,1,2-Trichloroethane	ND	0.29	5.0									
1,3-Dichloropropane	ND	0.26	5.0									
Tetrachloroethene	ND	0.27	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
 Work Order: J1185
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT

SW8260_W
 SW846 8260C -- VOC by GC-MS

Sample ID: MB-52287 SampType: MBLK TestCode: SW8260_W Run ID: V1_100614C
 Client ID: MB-52287 Batch ID: 52287 Units: µg/L Prep Date: 06/14/10 8:54 SeqNo: 1314153

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Hexanone	ND	1.1	5.0									
Dibromochloromethane	ND	0.20	5.0									
1,2-Dibromoethane	ND	0.31	5.0									
Chlorobenzene	ND	0.23	5.0									
1,1,1,2-Tetrachloroethane	ND	0.28	5.0									
Ethylbenzene	ND	0.23	5.0									
m,p-Xylene	ND	0.40	5.0									
o-Xylene	ND	0.26	5.0									
Xylene (Total)	ND	0.26	5.0									
Styrene	ND	0.16	5.0									
Bromoform	ND	0.44	5.0									
Isopropylbenzene	ND	0.20	5.0									
1,1,2,2-Tetrachloroethane	ND	0.23	5.0									
Bromobenzene	ND	0.37	5.0									
1,2,3-Trichloropropane	ND	0.72	5.0									
n-Propylbenzene	ND	0.20	5.0									
2-Chlorotoluene	ND	0.30	5.0									
1,3,5-Trimethylbenzene	ND	0.12	5.0									
4-Chlorotoluene	ND	0.43	5.0									
tert-Butylbenzene	ND	0.24	5.0									
1,2,4-Trimethylbenzene	ND	0.15	5.0									
sec-Butylbenzene	ND	0.19	5.0									
4-Isopropyltoluene	ND	0.17	5.0									
1,3-Dichlorobenzene	ND	0.19	5.0									
1,4-Dichlorobenzene	ND	0.24	5.0									
n-Butylbenzene	ND	0.27	5.0									
1,2-Dichlorobenzene	ND	0.24	5.0									
1,2-Dibromo-3-chloropropane	ND	0.35	5.0									
1,2,4-Trichlorobenzene	ND	0.39	5.0									
Hexachlorobutadiene	ND	0.41	5.0									
1,2,3-Trichlorobenzene	ND	0.45	5.0									
Naphthalene	ND	0.15	5.0									
Surrogate:	50.69	0	5.0	50.00	0	101	85	115	0			
Dibromofluoromethane												
Surrogate: 1,2-Dichloroethane-d4	49.19	0	5.0	50.00	0	98.4	70	120	0			
Surrogate: Toluene-d8	47.69	0	5.0	50.00	0	95.4	85	120	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
Work Order: J1185
Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT

SW8260_W
SW846 8260C -- VOC by GC-MS

Sample ID: MB-52287 SampType: MBLK TestCode: SW8260_W Prep Date: 06/14/10 8:54 Run ID: V1_100614C
Client ID: MB-52287 Batch ID: 52287 Units: µg/L Analysis Date: 06/14/10 11:11 SeqNo: 1314153
Analyte Result MDL PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Surrogate:
Bromofluorobenzene

48.00 0 5.0 50.00 0 96.0 75 120 0

0013

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
 Work Order: J1185
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
 SW8260_W
 SW846 8260C -- VOC by GC-MS

Sample ID: LCS-52287 SampType: LCS TestCode: SW8260_W Run ID: V1_100614C
 Client ID: LCS-52287 Batch ID: 52287 Units: µg/L Analysis Date: 06/14/10 9:11 SeqNo: 1314151
 Prep Date: 06/14/10 8:54

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	43.89	0.47	5.0	50.00	0	87.8	30	155	0			
Chloromethane	50.01	0.54	5.0	50.00	0	100	40	125	0			
Vinyl chloride	45.74	0.78	5.0	50.00	0	91.5	50	145	0			
Bromomethane	56.91	0.74	5.0	50.00	0	114	30	145	0			
Chloroethane	49.22	0.89	5.0	50.00	0	98.4	60	135	0			
Trichlorofluoromethane	53.06	0.60	5.0	50.00	0	106	60	145	0			
1,1-Dichloroethene	48.33	0.64	5.0	50.00	0	96.7	70	130	0			
Acetone	42.02	4.6	5.0	50.00	0	84.0	40	140	0			
Iodomethane	50.30	0.37	5.0	50.00	0	101	72	121	0			
Carbon disulfide	47.74	0.34	5.0	50.00	0	95.5	35	160	0			
Methylene chloride	51.08	0.83	5.0	50.00	0	102	55	140	0			
trans-1,2-Dichloroethene	49.38	0.37	5.0	50.00	0	98.8	60	140	0			
Methyl tert-butyl ether	52.23	0.25	5.0	50.00	0	104	65	125	0			
1,1-Dichloroethane	47.64	0.24	5.0	50.00	0	95.3	70	135	0			
Vinyl acetate	47.84	0.43	5.0	50.00	0	95.7	38	163	0			
2-Butanone	49.11	2.0	5.0	50.00	0	98.2	30	150	0			
cis-1,2-Dichloroethene	51.63	0.34	5.0	50.00	0	103	70	125	0			
2,2-Dichloropropane	42.61	0.22	5.0	50.00	0	85.2	70	135	0			
Bromochloromethane	52.70	0.30	5.0	50.00	0	105	65	130	0			
Chloroform	49.25	0.30	5.0	50.00	0	98.5	65	135	0			
1,1,1-Trichloroethane	45.21	0.18	5.0	50.00	0	90.4	65	130	0			
1,1-Dichloropropene	52.64	0.38	5.0	50.00	0	105	75	130	0			
Carbon tetrachloride	51.01	0.11	5.0	50.00	0	102	65	140	0			
1,2-Dichloroethane	50.14	0.16	5.0	50.00	0	100	70	130	0			
Benzene	49.19	0.12	5.0	50.00	0	98.4	80	120	0			
Trichloroethene	48.58	0.25	5.0	50.00	0	97.2	70	125	0			
1,2-Dichloropropane	49.03	0.24	5.0	50.00	0	98.1	75	125	0			
Dibromomethane	49.96	0.26	5.0	50.00	0	99.9	75	125	0			
Bromodichloromethane	48.84	0.20	5.0	50.00	0	97.7	75	120	0			
cis-1,3-Dichloropropene	49.17	0.22	5.0	50.00	0	98.3	70	130	0			
4-Methyl-2-pentanone	46.70	1.5	5.0	50.00	0	93.4	60	135	0			
Toluene	49.36	0.15	5.0	50.00	0	98.7	75	120	0			
trans-1,3-Dichloropropene	48.47	0.27	5.0	50.00	0	96.9	55	140	0			
1,1,2-Trichloroethane	51.00	0.29	5.0	50.00	0	102	75	125	0			
1,3-Dichloropropane	47.74	0.26	5.0	50.00	0	95.5	75	125	0			
Tetrachloroethene	44.67	0.27	5.0	50.00	0	89.3	45	150	0			
2-Hexanone	47.46	1.1	5.0	50.00	0	94.9	55	130	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
 Work Order: J1185
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
 SW8260_W
 SW846 8260C -- VOC by GC-MS

Sample ID: LCS-52287 SampType: LCS TestCode: SW8260_W Run ID: V1_100614C
 Client ID: LCS-52287 Batch ID: 52287 Units: µg/L Analysis Date: 06/14/10 9:11 SeqNo: 1314151
 Prep Date: 06/14/10 8:54

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	51.30	0.20	5.0	50.00	0	103	60	135	0			
1,2-Dibromoethane	51.45	0.31	5.0	50.00	0	103	80	120	0			
Chlorobenzene	48.98	0.23	5.0	50.00	0	98.0	80	120	0			
1,1,1,2-Tetrachloroethane	48.02	0.28	5.0	50.00	0	96.0	80	130	0			
Ethylbenzene	49.37	0.23	5.0	50.00	0	98.7	75	125	0			
m,p-Xylene	97.68	0.40	5.0	100.0	0	97.7	75	130	0			
o-Xylene	49.24	0.26	5.0	50.00	0	98.5	80	120	0			
Xylene (Total)	146.9	0.26	5.0	150.0	0	97.9	81	121	0			
Styrene	48.02	0.16	5.0	50.00	0	96.0	65	135	0			
Bromoform	48.19	0.44	5.0	50.00	0	96.4	70	130	0			
Isopropylbenzene	48.09	0.20	5.0	50.00	0	96.2	75	125	0			
1,1,1,2-Tetrachloroethane	48.29	0.23	5.0	50.00	0	96.6	65	130	0			
Bromobenzene	50.91	0.37	5.0	50.00	0	102	75	125	0			
1,2,3-Trichloropropane	45.01	0.72	5.0	50.00	0	90.0	75	125	0			
n-Propylbenzene	51.31	0.20	5.0	50.00	0	103	70	130	0			
2-Chlorotoluene	49.83	0.30	5.0	50.00	0	99.7	75	125	0			
1,3,5-Trimethylbenzene	49.24	0.12	5.0	50.00	0	98.5	75	130	0			
4-Chlorotoluene	50.73	0.43	5.0	50.00	0	101	75	130	0			
tert-Butylbenzene	50.65	0.24	5.0	50.00	0	101	70	130	0			
1,2,4-Trimethylbenzene	48.30	0.15	5.0	50.00	0	96.6	75	130	0			
sec-Butylbenzene	49.65	0.19	5.0	50.00	0	99.3	70	125	0			
4-Isopropyltoluene	49.53	0.17	5.0	50.00	0	99.1	75	130	0			
1,3-Dichlorobenzene	47.83	0.19	5.0	50.00	0	95.7	75	125	0			
1,4-Dichlorobenzene	48.01	0.24	5.0	50.00	0	96.0	75	125	0			
n-Butylbenzene	47.54	0.27	5.0	50.00	0	95.1	70	135	0			
1,2-Dichlorobenzene	47.01	0.24	5.0	50.00	0	94.0	70	120	0			
1,2-Dibromo-3-chloropropane	38.22	0.35	5.0	50.00	0	76.4	50	130	0			
1,2,4-Trichlorobenzene	39.92	0.39	5.0	50.00	0	79.8	65	135	0			
Hexachlorobutadiene	42.01	0.41	5.0	50.00	0	84.0	50	140	0			
1,2,3-Trichlorobenzene	28.03	0.45	5.0	50.00	0	56.1	55	140	0			
Naphthalene	33.56	0.15	5.0	50.00	0	67.1	55	140	0			
Surrogate:	50.33	0	5.0	50.00	0	101	85	115	0			
Dibromofluoromethane												
Surrogate: 1,2-Dichloroethane-d4	49.10	0	5.0	50.00	0	98.2	70	120	0			
Surrogate: Toluene-d8	48.12	0	5.0	50.00	0	96.2	85	120	0			
Surrogate: Bromofluorobenzene	48.60	0	5.0	50.00	0	97.2	75	120	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
 Work Order: J1185
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
 SW8260_W
 SW846 8260C -- VOC by GC-MS

Sample ID: LCSD-52287 SampType: LCSD TestCode: SW8260_W Run ID: V1_100614C
 Client ID: LCSD-52287 Batch ID: 52287 Units: µg/L Analysis Date: 06/14/10 9:39 SeqNo: 1314152
 Prep Date: 06/14/10 8:54

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	45.13	0.47	5.0	50.00	0	90.3	30	155	43.89	2.79	40	
Chloromethane	50.49	0.54	5.0	50.00	0	101	40	125	50.01	0.962	40	
Vinyl chloride	48.53	0.78	5.0	50.00	0	97.1	50	145	45.74	5.92	40	
Bromomethane	59.76	0.74	5.0	50.00	0	120	30	145	56.91	4.87	40	
Chloroethane	52.50	0.89	5.0	50.00	0	105	60	135	49.22	6.44	40	
Trichlorofluoromethane	55.60	0.60	5.0	50.00	0	111	60	145	53.06	4.66	40	
1,1-Dichloroethane	53.14	0.64	5.0	50.00	0	106	70	130	48.33	9.48	40	
Acetone	47.61	4.6	5.0	50.00	0	95.2	40	140	42.02	12.5	40	
Iodomethane	53.87	0.37	5.0	50.00	0	108	72	121	50.30	6.85	40	
Carbon disulfide	49.85	0.34	5.0	50.00	0	99.7	35	160	47.74	4.33	40	
Methylene chloride	51.64	0.83	5.0	50.00	0	103	55	140	51.08	1.09	40	
trans-1,2-Dichloroethene	51.80	0.37	5.0	50.00	0	104	60	140	49.38	4.78	40	
Methyl tert-butyl ether	54.36	0.25	5.0	50.00	0	109	65	125	52.23	3.99	40	
1,1-Dichloroethane	50.18	0.24	5.0	50.00	0	100	70	135	47.64	5.19	40	
Vinyl acetate	50.33	0.43	5.0	50.00	0	101	38	163	47.84	5.07	40	
2-Butanone	49.80	2.0	5.0	50.00	0	99.6	30	150	49.11	1.38	40	
cis-1,2-Dichloroethene	53.42	0.34	5.0	50.00	0	107	70	125	51.63	3.41	40	
2,2-Dichloropropane	47.58	0.22	5.0	50.00	0	95.2	70	135	42.61	11	40	
Bromochloromethane	53.41	0.30	5.0	50.00	0	107	65	130	52.70	1.34	40	
Chloroform	49.84	0.30	5.0	50.00	0	99.7	65	135	49.25	1.21	40	
1,1,1-Trichloroethane	49.03	0.18	5.0	50.00	0	98.1	65	130	45.21	8.09	40	
1,1-Dichloropropene	54.64	0.38	5.0	50.00	0	109	75	130	52.64	3.74	40	
Carbon tetrachloride	54.25	0.11	5.0	50.00	0	108	65	140	51.01	6.16	40	
1,2-Dichloroethane	50.89	0.16	5.0	50.00	0	102	70	130	50.14	1.48	40	
Benzene	50.78	0.12	5.0	50.00	0	102	80	120	49.19	3.18	40	
Trichloroethene	50.35	0.25	5.0	50.00	0	101	70	125	48.58	3.57	40	
1,2-Dichloropropane	53.31	0.24	5.0	50.00	0	107	75	125	49.03	8.36	40	
Dibromomethane	51.86	0.26	5.0	50.00	0	104	75	125	49.96	3.73	40	
Bromodichloromethane	51.18	0.20	5.0	50.00	0	102	75	120	48.84	4.69	40	
cis-1,3-Dichloropropene	50.17	0.22	5.0	50.00	0	100	70	130	49.17	2.02	40	
4-Methyl-2-pentanone	48.45	1.5	5.0	50.00	0	96.9	60	135	46.70	3.66	40	
Toluene	51.53	0.15	5.0	50.00	0	103	75	120	49.36	4.3	40	
trans-1,3-Dichloropropene	51.14	0.27	5.0	50.00	0	102	55	140	48.47	5.37	40	
1,1,2-Trichloroethane	53.13	0.29	5.0	50.00	0	106	75	125	51.00	4.1	40	
1,2,3-Dichloropropane	49.15	0.26	5.0	50.00	0	98.3	75	125	47.74	2.91	40	
tetrachloroethene	46.71	0.27	5.0	50.00	0	93.4	45	150	44.67	4.46	40	
Hexanone	46.72	1.1	5.0	50.00	0	93.4	55	130	47.46	1.58	40	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Day Environmental Inc.
 Work Order: J1185
 Project: 151 Mt. Hope Ave.

ANALYTICAL QC SUMMARY REPORT
 SW8260 W
 SW846 8260C -- VOC by GC-MS

Sample ID: LCSD-52287 SampType: LCSD TestCode: SW8260_W Run ID: V1_100614C
 Client ID: LCSD-52287 Batch ID: 52287 Units: µg/L Analysis Date: 06/14/10 9:39 SeqNo: 1314152
 Prep Date: 06/14/10 8:54

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	50.53	0.20	5.0	50.00	0	101	60	135	51.30	1.51	40	
1,2-Dibromoethane	51.14	0.31	5.0	50.00	0	102	80	120	51.45	0.591	40	
Chlorobenzene	48.92	0.23	5.0	50.00	0	97.8	80	120	48.98	0.122	40	
1,1,1,2-Tetrachloroethane	48.71	0.28	5.0	50.00	0	97.4	80	130	48.02	1.42	40	
Ethylbenzene	51.53	0.23	5.0	50.00	0	103	75	125	49.37	4.28	40	
m,p-Xylene	100.8	0.40	5.0	100.0	0	101	75	130	97.68	3.14	40	
o-Xylene	49.59	0.26	5.0	50.00	0	99.2	80	120	49.24	0.708	40	
Xylene (Total)	150.4	0.26	5.0	150.0	0	100	81	121	146.9	2.33	40	
Styrene	48.84	0.16	5.0	50.00	0	97.7	65	135	48.02	1.71	40	
Bromoforn	46.61	0.44	5.0	50.00	0	93.2	70	130	48.19	3.33	40	
Isopropylbenzene	49.75	0.20	5.0	50.00	0	99.5	75	125	48.09	3.39	40	
1,1,2,2-Tetrachloroethane	50.88	0.23	5.0	50.00	0	102	65	130	48.29	5.2	40	
Bromobenzene	50.66	0.37	5.0	50.00	0	101	75	125	50.91	0.494	40	
1,2,3-Trichloropropane	45.77	0.72	5.0	50.00	0	91.5	75	125	45.01	1.66	40	
n-Propylbenzene	51.42	0.20	5.0	50.00	0	103	70	130	51.31	0.228	40	
2-Chlorotoluene	48.83	0.30	5.0	50.00	0	97.7	75	125	49.83	2.02	40	
1,3,5-Trimethylbenzene	49.77	0.12	5.0	50.00	0	99.5	75	130	49.24	1.08	40	
4-Chlorotoluene	49.45	0.43	5.0	50.00	0	98.9	75	130	50.73	2.57	40	
tert-Butylbenzene	50.24	0.24	5.0	50.00	0	100	70	130	50.65	0.82	40	
1,2,4-Trimethylbenzene	47.62	0.15	5.0	50.00	0	95.2	75	130	48.30	1.42	40	
sec-Butylbenzene	49.82	0.19	5.0	50.00	0	99.6	70	125	49.65	0.34	40	
4-Isopropyltoluene	49.30	0.17	5.0	50.00	0	98.6	75	130	49.53	0.466	40	
1,3-Dichlorobenzene	48.17	0.19	5.0	50.00	0	96.3	75	125	47.83	0.713	40	
1,4-Dichlorobenzene	48.17	0.24	5.0	50.00	0	96.3	75	125	48.01	0.328	40	
n-Butylbenzene	48.26	0.27	5.0	50.00	0	96.5	70	135	47.54	1.5	40	
1,2-Dichlorobenzene	47.97	0.24	5.0	50.00	0	95.9	70	120	47.01	2.03	40	
1,2-Dibromo-3-chloropropane	42.11	0.35	5.0	50.00	0	84.2	50	130	38.22	9.71	40	
1,2,4-Trichlorobenzene	42.25	0.39	5.0	50.00	0	84.5	65	135	39.92	5.67	40	
Hexachlorobutadiene	42.85	0.41	5.0	50.00	0	85.7	50	140	42.01	1.97	40	
1,2,3-Trichlorobenzene	32.02	0.45	5.0	50.00	0	64.0	55	140	28.03	13.3	40	
Naphthalene	35.95	0.15	5.0	50.00	0	71.9	55	140	33.56	6.88	40	
Surrogate:	50.13	0	5.0	50.00	0	100	85	115	0	0	40	
Dibromofluoromethane												
Surrogate: 1,2-Dichloroethane-d4	49.16	0	5.0	50.00	0	98.3	70	120	0	0	40	
Surrogate: Toluene-d8	47.71	0	5.0	50.00	0	95.4	85	120	0	0	40	
Surrogate: Bromofluorobenzene	47.69	0	5.0	50.00	0	95.4	75	120	0	0	40	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

Mitkem Laboratories

Date: 17-Jun-10

Client: Day Environmental Inc.

Client Sample ID: MW10-1

Lab ID: J1185-01

Project: 151 Mt. Hope Ave.

Collection Date: 06/04/10 13:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270D -- SVOA by GC-MS							SW8270_W
Phenol	ND		10	µg/L		1 06/11/2010 15:39	52173
Bis(2-chloroethyl)ether	ND		10	µg/L		1 06/11/2010 15:39	52173
2-Chlorophenol	ND		10	µg/L		1 06/11/2010 15:39	52173
1,3-Dichlorobenzene	ND		10	µg/L		1 06/11/2010 15:39	52173
1,4-Dichlorobenzene	ND		10	µg/L		1 06/11/2010 15:39	52173
1,2-Dichlorobenzene	ND		10	µg/L		1 06/11/2010 15:39	52173
2-Methylphenol	ND		10	µg/L		1 06/11/2010 15:39	52173
2,2'-oxybis(1-Chloropropane)	ND		10	µg/L		1 06/11/2010 15:39	52173
4-Methylphenol	ND		10	µg/L		1 06/11/2010 15:39	52173
N-Nitroso-di-n-propylamine	ND		10	µg/L		1 06/11/2010 15:39	52173
Hexachloroethane	ND		10	µg/L		1 06/11/2010 15:39	52173
Nitrobenzene	ND		10	µg/L		1 06/11/2010 15:39	52173
Isophorone	ND		10	µg/L		1 06/11/2010 15:39	52173
2-Nitrophenol	ND		10	µg/L		1 06/11/2010 15:39	52173
2,4-Dimethylphenol	ND		10	µg/L		1 06/11/2010 15:39	52173
2,4-Dichlorophenol	ND		10	µg/L		1 06/11/2010 15:39	52173
1,2,4-Trichlorobenzene	ND		10	µg/L		1 06/11/2010 15:39	52173
Naphthalene	ND		10	µg/L		1 06/11/2010 15:39	52173
4-Chloroaniline	ND		10	µg/L		1 06/11/2010 15:39	52173
Bis(2-chloroethoxy)methane	ND		10	µg/L		1 06/11/2010 15:39	52173
Hexachlorobutadiene	ND		10	µg/L		1 06/11/2010 15:39	52173
4-Chloro-3-methylphenol	ND		10	µg/L		1 06/11/2010 15:39	52173
2-Methylnaphthalene	ND		10	µg/L		1 06/11/2010 15:39	52173
Hexachlorocyclopentadiene	ND		10	µg/L		1 06/11/2010 15:39	52173
2,4,6-Trichlorophenol	ND		10	µg/L		1 06/11/2010 15:39	52173
2,4,5-Trichlorophenol	ND		20	µg/L		1 06/11/2010 15:39	52173
2-Chloronaphthalene	ND		10	µg/L		1 06/11/2010 15:39	52173
2-Nitroaniline	ND		20	µg/L		1 06/11/2010 15:39	52173
Dimethylphthalate	ND		10	µg/L		1 06/11/2010 15:39	52173
Acenaphthylene	ND		10	µg/L		1 06/11/2010 15:39	52173
2,6-Dinitrotoluene	ND		10	µg/L		1 06/11/2010 15:39	52173
3-Nitroaniline	ND		20	µg/L		1 06/11/2010 15:39	52173
Acenaphthene	ND		10	µg/L		1 06/11/2010 15:39	52173
2,4-Dinitrophenol	ND		20	µg/L		1 06/11/2010 15:39	52173
4-Nitrophenol	ND		20	µg/L		1 06/11/2010 15:39	52173
Dibenzofuran	ND		10	µg/L		1 06/11/2010 15:39	52173
2,4-Dinitrotoluene	ND		10	µg/L		1 06/11/2010 15:39	52173
Diethylphthalate	ND		10	µg/L		1 06/11/2010 15:39	52173
4-Chlorophenyl-phenylether	ND		10	µg/L		1 06/11/2010 15:39	52173

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 17-Jun-10

Client: Day Environmental Inc.

Client Sample ID: MW10-1

Lab ID: J1185-01

Project: 151 Mt. Hope Ave.

Collection Date: 06/04/10 13:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270D -- SVOA by GC-MS							SW8270_W
Fluorene	ND		10	µg/L		1 06/11/2010 15:39	52173
4-Nitroaniline	ND		20	µg/L		1 06/11/2010 15:39	52173
4,6-Dinitro-2-methylphenol	ND		20	µg/L		1 06/11/2010 15:39	52173
N-Nitrosodiphenylamine	ND		10	µg/L		1 06/11/2010 15:39	52173
4-Bromophenyl-phenylether	ND		10	µg/L		1 06/11/2010 15:39	52173
Hexachlorobenzene	ND		10	µg/L		1 06/11/2010 15:39	52173
Pentachlorophenol	ND		20	µg/L		1 06/11/2010 15:39	52173
Phenanthrene	ND		10	µg/L		1 06/11/2010 15:39	52173
Anthracene	ND		10	µg/L		1 06/11/2010 15:39	52173
Carbazole	ND		10	µg/L		1 06/11/2010 15:39	52173
Di-n-butylphthalate	ND		10	µg/L		1 06/11/2010 15:39	52173
Fluoranthene	ND		10	µg/L		1 06/11/2010 15:39	52173
Pyrene	ND		10	µg/L		1 06/11/2010 15:39	52173
Butylbenzylphthalate	ND		10	µg/L		1 06/11/2010 15:39	52173
3,3'-Dichlorobenzidine	ND		10	µg/L		1 06/11/2010 15:39	52173
Benzo(a)anthracene	ND		10	µg/L		1 06/11/2010 15:39	52173
Chrysene	ND		10	µg/L		1 06/11/2010 15:39	52173
Bis(2-ethylhexyl)phthalate	ND		10	µg/L		1 06/11/2010 15:39	52173
Di-n-octylphthalate	ND		10	µg/L		1 06/11/2010 15:39	52173
Benzo(b)fluoranthene	ND		10	µg/L		1 06/11/2010 15:39	52173
Benzo(k)fluoranthene	ND		10	µg/L		1 06/11/2010 15:39	52173
Benzo(a)pyrene	ND		10	µg/L		1 06/11/2010 15:39	52173
Indeno(1,2,3-cd)pyrene	ND		10	µg/L		1 06/11/2010 15:39	52173
Dibenzo(a,h)anthracene	ND		10	µg/L		1 06/11/2010 15:39	52173
Benzo(g,h,i)perylene	ND		10	µg/L		1 06/11/2010 15:39	52173
Surrogate: Nitrobenzene-d5	74.5		40-110	%REC		1 06/11/2010 15:39	52173
Surrogate: 2-Fluorobiphenyl	88.4		50-110	%REC		1 06/11/2010 15:39	52173
Surrogate: Terphenyl-d14	106		50-135	%REC		1 06/11/2010 15:39	52173
Surrogate: Phenol-d5	85.9		10-115	%REC		1 06/11/2010 15:39	52173
Surrogate: 2-Fluorophenol	88.5		20-110	%REC		1 06/11/2010 15:39	52173
Surrogate: 2,4,6-Tribromophenol	95.0		40-125	%REC		1 06/11/2010 15:39	52173

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 17-Jun-10

Client: Day Environmental Inc.

Client Sample ID: MW10-2

Lab ID: J1185-02

Project: 151 Mt. Hope Ave.

Collection Date: 06/04/10 15:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270D -- SVOA by GC-MS							SW8270_W
Phenol	ND		10	µg/L		1 06/11/2010 16:03	52173
Bis(2-chloroethyl)ether	ND		10	µg/L		1 06/11/2010 16:03	52173
2-Chlorophenol	ND		10	µg/L		1 06/11/2010 16:03	52173
1,3-Dichlorobenzene	ND		10	µg/L		1 06/11/2010 16:03	52173
1,4-Dichlorobenzene	ND		10	µg/L		1 06/11/2010 16:03	52173
1,2-Dichlorobenzene	ND		10	µg/L		1 06/11/2010 16:03	52173
2-Methylphenol	ND		10	µg/L		1 06/11/2010 16:03	52173
2,2'-oxybis(1-Chloropropane)	ND		10	µg/L		1 06/11/2010 16:03	52173
4-Methylphenol	ND		10	µg/L		1 06/11/2010 16:03	52173
N-Nitroso-di-n-propylamine	ND		10	µg/L		1 06/11/2010 16:03	52173
Hexachloroethane	ND		10	µg/L		1 06/11/2010 16:03	52173
Nitrobenzene	ND		10	µg/L		1 06/11/2010 16:03	52173
Isophorone	ND		10	µg/L		1 06/11/2010 16:03	52173
2-Nitrophenol	ND		10	µg/L		1 06/11/2010 16:03	52173
2,4-Dimethylphenol	ND		10	µg/L		1 06/11/2010 16:03	52173
2,4-Dichlorophenol	ND		10	µg/L		1 06/11/2010 16:03	52173
1,2,4-Trichlorobenzene	ND		10	µg/L		1 06/11/2010 16:03	52173
Naphthalene	ND		10	µg/L		1 06/11/2010 16:03	52173
4-Chloroaniline	ND		10	µg/L		1 06/11/2010 16:03	52173
Bis(2-chloroethoxy)methane	ND		10	µg/L		1 06/11/2010 16:03	52173
Hexachlorobutadiene	ND		10	µg/L		1 06/11/2010 16:03	52173
4-Chloro-3-methylphenol	ND		10	µg/L		1 06/11/2010 16:03	52173
2-Methylnaphthalene	ND		10	µg/L		1 06/11/2010 16:03	52173
Hexachlorocyclopentadiene	ND		10	µg/L		1 06/11/2010 16:03	52173
2,4,6-Trichlorophenol	ND		10	µg/L		1 06/11/2010 16:03	52173
2,4,5-Trichlorophenol	ND		20	µg/L		1 06/11/2010 16:03	52173
2-Chloronaphthalene	ND		10	µg/L		1 06/11/2010 16:03	52173
2-Nitroaniline	ND		20	µg/L		1 06/11/2010 16:03	52173
Dimethylphthalate	ND		10	µg/L		1 06/11/2010 16:03	52173
Acenaphthylene	ND		10	µg/L		1 06/11/2010 16:03	52173
2,6-Dinitrotoluene	ND		10	µg/L		1 06/11/2010 16:03	52173
3-Nitroaniline	ND		20	µg/L		1 06/11/2010 16:03	52173
Acenaphthene	1.7	J	10	µg/L		1 06/11/2010 16:03	52173
2,4-Dinitrophenol	ND		20	µg/L		1 06/11/2010 16:03	52173
4-Nitrophenol	ND		20	µg/L		1 06/11/2010 16:03	52173
Dibenzofuran	ND		10	µg/L		1 06/11/2010 16:03	52173
2,4-Dinitrotoluene	ND		10	µg/L		1 06/11/2010 16:03	52173
Diethylphthalate	ND		10	µg/L		1 06/11/2010 16:03	52173
4-Chlorophenyl-phenylether	ND		10	µg/L		1 06/11/2010 16:03	52173

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 17-Jun-10

Client: Day Environmental Inc.

Client Sample ID: MW10-2

Lab ID: J1185-02

Project: 151 Mt. Hope Ave.

Collection Date: 06/04/10 15:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270D -- SVOA by GC-MS							SW8270_W
Fluorene	1.5	J	10	µg/L		1 06/11/2010 16:03	52173
4-Nitroaniline	ND		20	µg/L		1 06/11/2010 16:03	52173
4,6-Dinitro-2-methylphenol	ND		20	µg/L		1 06/11/2010 16:03	52173
N-Nitrosodiphenylamine	ND		10	µg/L		1 06/11/2010 16:03	52173
4-Bromophenyl-phenylether	ND		10	µg/L		1 06/11/2010 16:03	52173
Hexachlorobenzene	ND		10	µg/L		1 06/11/2010 16:03	52173
Pentachlorophenol	ND		20	µg/L		1 06/11/2010 16:03	52173
Phenanthrene	ND		10	µg/L		1 06/11/2010 16:03	52173
Anthracene	ND		10	µg/L		1 06/11/2010 16:03	52173
Carbazole	ND		10	µg/L		1 06/11/2010 16:03	52173
Di-n-butylphthalate	ND		10	µg/L		1 06/11/2010 16:03	52173
Fluoranthene	ND		10	µg/L		1 06/11/2010 16:03	52173
Pyrene	ND		10	µg/L		1 06/11/2010 16:03	52173
Butylbenzylphthalate	ND		10	µg/L		1 06/11/2010 16:03	52173
3,3'-Dichlorobenzidine	ND		10	µg/L		1 06/11/2010 16:03	52173
Benzo(a)anthracene	ND		10	µg/L		1 06/11/2010 16:03	52173
Chrysene	ND		10	µg/L		1 06/11/2010 16:03	52173
Bis(2-ethylhexyl)phthalate	ND		10	µg/L		1 06/11/2010 16:03	52173
Di-n-octylphthalate	ND		10	µg/L		1 06/11/2010 16:03	52173
Benzo(b)fluoranthene	ND		10	µg/L		1 06/11/2010 16:03	52173
Benzo(k)fluoranthene	ND		10	µg/L		1 06/11/2010 16:03	52173
Benzo(a)pyrene	ND		10	µg/L		1 06/11/2010 16:03	52173
Indeno(1,2,3-cd)pyrene	ND		10	µg/L		1 06/11/2010 16:03	52173
Dibenzo(a,h)anthracene	ND		10	µg/L		1 06/11/2010 16:03	52173
Benzo(g,h,i)perylene	ND		10	µg/L		1 06/11/2010 16:03	52173
Surrogate: Nitrobenzene-d5	66.0		40-110	%REC		1 06/11/2010 16:03	52173
Surrogate: 2-Fluorobiphenyl	88.9		50-110	%REC		1 06/11/2010 16:03	52173
Surrogate: Terphenyl-d14	96.9		50-135	%REC		1 06/11/2010 16:03	52173
Surrogate: Phenol-d5	97.5		10-115	%REC		1 06/11/2010 16:03	52173
Surrogate: 2-Fluorophenol	102		20-110	%REC		1 06/11/2010 16:03	52173
Surrogate: 2,4,6-Tribromophenol	98.5		40-125	%REC		1 06/11/2010 16:03	52173

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 17-Jun-10

Client: Day Environmental Inc.

Client Sample ID: MW10-3

Lab ID: J1185-03

Project: 151 Mt. Hope Ave.

Collection Date: 06/04/10 11:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270D -- SVOA by GC-MS							SW8270_W
Phenol	ND		10	µg/L		1 06/11/2010 18:02	52173
Bis(2-chloroethyl)ether	ND		10	µg/L		1 06/11/2010 18:02	52173
2-Chlorophenol	ND		10	µg/L		1 06/11/2010 18:02	52173
1,3-Dichlorobenzene	ND		10	µg/L		1 06/11/2010 18:02	52173
1,4-Dichlorobenzene	ND		10	µg/L		1 06/11/2010 18:02	52173
1,2-Dichlorobenzene	ND		10	µg/L		1 06/11/2010 18:02	52173
2-Methylphenol	ND		10	µg/L		1 06/11/2010 18:02	52173
2,2'-oxybis(1-Chloropropane)	ND		10	µg/L		1 06/11/2010 18:02	52173
4-Methylphenol	ND		10	µg/L		1 06/11/2010 18:02	52173
N-Nitroso-di-n-propylamine	ND		10	µg/L		1 06/11/2010 18:02	52173
Hexachloroethane	ND		10	µg/L		1 06/11/2010 18:02	52173
Nitrobenzene	ND		10	µg/L		1 06/11/2010 18:02	52173
Isophorone	ND		10	µg/L		1 06/11/2010 18:02	52173
2-Nitrophenol	ND		10	µg/L		1 06/11/2010 18:02	52173
2,4-Dimethylphenol	ND		10	µg/L		1 06/11/2010 18:02	52173
2,4-Dichlorophenol	ND		10	µg/L		1 06/11/2010 18:02	52173
1,2,4-Trichlorobenzene	ND		10	µg/L		1 06/11/2010 18:02	52173
Naphthalene	ND		10	µg/L		1 06/11/2010 18:02	52173
4-Chloroaniline	ND		10	µg/L		1 06/11/2010 18:02	52173
Bis(2-chloroethoxy)methane	ND		10	µg/L		1 06/11/2010 18:02	52173
Hexachlorobutadiene	ND		10	µg/L		1 06/11/2010 18:02	52173
4-Chloro-3-methylphenol	ND		10	µg/L		1 06/11/2010 18:02	52173
2-Methylnaphthalene	ND		10	µg/L		1 06/11/2010 18:02	52173
Hexachlorocyclopentadiene	ND		10	µg/L		1 06/11/2010 18:02	52173
2,4,6-Trichlorophenol	ND		10	µg/L		1 06/11/2010 18:02	52173
2,4,5-Trichlorophenol	ND		20	µg/L		1 06/11/2010 18:02	52173
2-Chloronaphthalene	ND		10	µg/L		1 06/11/2010 18:02	52173
2-Nitroaniline	ND		20	µg/L		1 06/11/2010 18:02	52173
Dimethylphthalate	ND		10	µg/L		1 06/11/2010 18:02	52173
Acenaphthylene	ND		10	µg/L		1 06/11/2010 18:02	52173
2,6-Dinitrotoluene	ND		10	µg/L		1 06/11/2010 18:02	52173
3-Nitroaniline	ND		20	µg/L		1 06/11/2010 18:02	52173
Acenaphthene	ND		10	µg/L		1 06/11/2010 18:02	52173
2,4-Dinitrophenol	ND		20	µg/L		1 06/11/2010 18:02	52173
4-Nitrophenol	ND		20	µg/L		1 06/11/2010 18:02	52173
Dibenzofuran	ND		10	µg/L		1 06/11/2010 18:02	52173
2,4-Dinitrotoluene	ND		10	µg/L		1 06/11/2010 18:02	52173
Diethylphthalate	ND		10	µg/L		1 06/11/2010 18:02	52173
4-Chlorophenyl-phenylether	ND		10	µg/L		1 06/11/2010 18:02	52173

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 17-Jun-10

Client: Day Environmental Inc.

Client Sample ID: MW10-3

Project: 151 Mt. Hope Ave.

Lab ID: J1185-03

Collection Date: 06/04/10 11:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8270D -- SVOA by GC-MS							SW8270_W
Fluorene	ND		10	µg/L		1 06/11/2010 18:02	52173
4-Nitroaniline	ND		20	µg/L		1 06/11/2010 18:02	52173
4,6-Dinitro-2-methylphenol	ND		20	µg/L		1 06/11/2010 18:02	52173
N-Nitrosodiphenylamine	ND		10	µg/L		1 06/11/2010 18:02	52173
4-Bromophenyl-phenylether	ND		10	µg/L		1 06/11/2010 18:02	52173
Hexachlorobenzene	ND		10	µg/L		1 06/11/2010 18:02	52173
Pentachlorophenol	ND		20	µg/L		1 06/11/2010 18:02	52173
Phenanthrene	ND		10	µg/L		1 06/11/2010 18:02	52173
Anthracene	ND		10	µg/L		1 06/11/2010 18:02	52173
Carbazole	ND		10	µg/L		1 06/11/2010 18:02	52173
Di-n-butylphthalate	ND		10	µg/L		1 06/11/2010 18:02	52173
Fluoranthene	ND		10	µg/L		1 06/11/2010 18:02	52173
Pyrene	ND		10	µg/L		1 06/11/2010 18:02	52173
Butylbenzylphthalate	ND		10	µg/L		1 06/11/2010 18:02	52173
3,3'-Dichlorobenzidine	ND		10	µg/L		1 06/11/2010 18:02	52173
Benzo(a)anthracene	ND		10	µg/L		1 06/11/2010 18:02	52173
Chrysene	ND		10	µg/L		1 06/11/2010 18:02	52173
Bis(2-ethylhexyl)phthalate	ND		10	µg/L		1 06/11/2010 18:02	52173
Di-n-octylphthalate	ND		10	µg/L		1 06/11/2010 18:02	52173
Benzo(b)fluoranthene	ND		10	µg/L		1 06/11/2010 18:02	52173
Benzo(k)fluoranthene	ND		10	µg/L		1 06/11/2010 18:02	52173
Benzo(a)pyrene	ND		10	µg/L		1 06/11/2010 18:02	52173
Indeno(1,2,3-cd)pyrene	ND		10	µg/L		1 06/11/2010 18:02	52173
Dibenzo(a,h)anthracene	ND		10	µg/L		1 06/11/2010 18:02	52173
Benzo(g,h,i)perylene	ND		10	µg/L		1 06/11/2010 18:02	52173
Surrogate: Nitrobenzene-d5	68.6		40-110	%REC		1 06/11/2010 18:02	52173
Surrogate: 2-Fluorobiphenyl	86.5		50-110	%REC		1 06/11/2010 18:02	52173
Surrogate: Terphenyl-d14	95.8		50-135	%REC		1 06/11/2010 18:02	52173
Surrogate: Phenol-d5	86.1		10-115	%REC		1 06/11/2010 18:02	52173
Surrogate: 2-Fluorophenol	94.0		20-110	%REC		1 06/11/2010 18:02	52173
Surrogate: 2,4,6-Tribromophenol	96.6		40-125	%REC		1 06/11/2010 18:02	52173

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.

Work Order: J1185

SW8270_W

Project: 151 Mt. Hope Ave.

SW846 8270D -- SVOA by GC-MS

Sample ID: MB-52173	SampType: MBLK	TestCode: SW8270_W	Prep Date: 06/09/10 17:00	Run ID: S1_100611A					
Client ID: MB-52173	Batch ID: 52173	Units: µg/L	Analysis Date: 06/11/10 12:04	SeqNo: 1314465					
Analyte	Result	MDL	SPK value	SPK Ref Val	RPD Ref Val	%RPD	HighLimit	RPDLimit	Qual
Phenol	ND	0.22					10		
Bis(2-chloroethyl)ether	ND	0.28					10		
2-Chlorophenol	ND	1.6					10		
1,3-Dichlorobenzene	ND	0.66					10		
1,4-Dichlorobenzene	ND	0.67					10		
1,2-Dichlorobenzene	ND	0.72					10		
2-Methylphenol	ND	1.6					10		
2,2'-oxybis(1-Chloropropane)	ND	0.62					10		
4-Methylphenol	ND	1.2					10		
N-Nitroso-di-n-propylamine	ND	0.31					10		
Hexachloroethane	ND	0.75					10		
Nitrobenzene	ND	0.67					10		
Isophorone	ND	0.26					10		
2-Nitrophenol	ND	0.59					10		
2,4-Dimethylphenol	ND	3.8					10		
2,4-Dichlorophenol	ND	0.74					10		
1,2,4-Trichlorobenzene	ND	0.77					10		
Naphthalene	ND	0.65					10		
4-Chloroaniline	ND	0.55					10		
Bis(2-chloroethoxy)methane	ND	0.22					10		
Hexachlorobutadiene	ND	0.77					10		
4-Chloro-3-methylphenol	ND	1.1					10		
2-Methylnaphthalene	ND	0.55					10		
Hexachlorocyclopentadiene	ND	2.4					10		
2,4,6-Trichlorophenol	ND	0.59					10		
2,4,5-Trichlorophenol	ND	0.85					20		
2-Chloronaphthalene	ND	0.50					10		
2-Nitroaniline	ND	0.61					20		
Dimethylphthalate	ND	0.21					10		
Acenaphthylene	ND	0.73					10		
2,6-Dinitrotoluene	ND	0.12					10		
3-Nitroaniline	ND	2.2					20		
Acenaphthene	ND	0.85					10		
2,4-Dinitrophenol	ND	2.2					20		
2,4,6-Trinitrophenol	ND	1.7					20		
4-Nitrophenol	ND	0.75					10		
Dibenzofuran	ND	0.75					10		

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J1185
 Project: 151 Mt. Hope Ave.

SW8270_W
 SW846 8270D -- SVOA by GC-MS

Sample ID: MB-52173 SampType: MBLK TestCode: SW8270_W Run ID: S1_100611A
 Client ID: MB-52173 Batch ID: 52173 Units: µg/L Analysis Date: 06/11/10 12:04 SeqNo: 1314465
 Prep Date: 06/09/10 17:00

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
2,4-Dinitrotoluene	ND	0.17	10							
Diethylphthalate	ND	0.22	10							
4-Chlorophenyl-phenylether	ND	0.85	10							
Fluorene	ND	0.67	10							
4-Nitroaniline	ND	2.8	20							
4,6-Dinitro-2-methylphenol	ND	1.0	20							
N-Nitrosodiphenylamine	ND	0.62	10							
4-Bromophenyl-phenylether	ND	0.59	10							
Hexachlorobenzene	ND	0.74	10							
Pentachlorophenol	ND	2.0	20							
Phenanthrene	ND	0.35	10							
Anthracene	ND	1.5	10							
Carbazole	ND	1.8	10							
Di-n-butylphthalate	ND	1.7	10							
Fluoranthene	ND	1.6	10							
Pyrene	ND	1.8	10							
Butylbenzylphthalate	ND	1.8	10							
3,3'-Dichlorobenzidine	ND	1.9	10							
Benzo(a)anthracene	ND	0.29	10							
Chrysene	ND	2.2	10							
Bis(2-ethylhexyl)phthalate	ND	0.37	10							
Di-n-octylphthalate	ND	0.28	10							
Benzo(b)fluoranthene	ND	0.58	10							
Benzo(k)fluoranthene	ND	0.98	10							
Benzo(a)pyrene	ND	1.9	10							
Indeno(1,2,3-cd)pyrene	ND	1.5	10							
Dibenzo(a,h)anthracene	ND	0.56	10							
Benzo(g,h,i)perylene	ND	0.23	10							
Surrogate: Nitrobenzene-d5	33.95	0	10	50.00	0	67.9	40	110	0	
Surrogate: 2-Fluorobiphenyl	42.50	0	10	50.00	0	85.0	50	110	0	
Surrogate: Terphenyl-d14	56.79	0	10	50.00	0	114	50	135	0	
Surrogate: Phenol-d5	53.32	0	10	75.00	0	71.1	10	115	0	
Surrogate: 2-Fluorophenol	58.21	0	10	75.00	0	77.6	20	110	0	
Surrogate: 2,4,6-Tribromophenol	68.05	0	10	75.00	0	90.7	40	125	0	

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Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 m10.06.11.A J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J1185
 Project: 151 Mt. Hope Ave.

SW8270_W
 SW846 8270D -- SVOA by GC-MS

Sample ID: LCS-52173 SampType: LCS TestCode: SW8270_W Prep Date: 06/09/10 17:00 Run ID: S1_100611A
 Client ID: LCS-52173 Batch ID: 52173 Units: µg/L Analysis Date: 06/11/10 12:29 SeqNo: 1314466

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	41.66	0.22	10	50.00	0	83.3	0	115	0		0	
Bis(2-chloroethyl)ether	42.74	0.28	10	50.00	0	85.5	35	110	0		0	
2-Chlorophenol	50.06	1.6	10	50.00	0	100	35	105	0		0	
1,3-Dichlorobenzene	40.41	0.66	10	50.00	0	80.8	30	100	0		0	
1,4-Dichlorobenzene	40.51	0.67	10	50.00	0	81.0	30	100	0		0	
1,2-Dichlorobenzene	45.78	0.72	10	50.00	0	91.6	35	100	0		0	
2-Methylphenol	47.31	1.6	10	50.00	0	94.6	40	110	0		0	
2,2'-oxybis(1-Chloropropane)	36.93	0.62	10	50.00	0	73.9	30	123	0		0	
4-Methylphenol	48.15	1.2	10	50.00	0	96.3	30	110	0		0	
N-Nitroso-di-n-propylamine	43.47	0.31	10	50.00	0	86.9	35	130	0		0	
Hexachloroethane	42.68	0.75	10	50.00	0	85.4	30	95	0		0	
Nitrobenzene	34.33	0.67	10	50.00	0	68.7	45	110	0		0	
Isophorone	40.33	0.26	10	50.00	0	80.7	50	110	0		0	
2-Nitrophenol	42.85	0.59	10	50.00	0	85.7	40	115	0		0	
2,4-Dimethylphenol	49.07	3.8	10	50.00	0	98.1	30	110	0		0	
2,4-Dichlorophenol	46.71	0.74	10	50.00	0	93.4	50	105	0		0	
1,2,4-Trichlorobenzene	40.15	0.77	10	50.00	0	80.3	35	105	0		0	
Naphthalene	40.60	0.65	10	50.00	0	81.2	40	100	0		0	
4-Chloroaniline	10.80	0.55	10	50.00	0	21.6	15	110	0		0	
Bis(2-chloroethoxy)methane	35.39	0.22	10	50.00	0	70.8	45	105	0		0	
Hexachlorobutadiene	39.28	0.77	10	50.00	0	78.6	25	105	0		0	
4-Chloro-3-methylphenol	43.41	1.1	10	50.00	0	86.8	45	110	0		0	
2-Methylnaphthalene	44.77	0.55	10	50.00	0	89.5	45	105	0		0	
Hexachlorocyclopentadiene	22.24	2.4	10	50.00	0	44.5	27	147	0		0	
2,4,6-Trichlorophenol	51.60	0.59	10	50.00	0	103	50	115	0		0	
2,4,5-Trichlorophenol	49.81	0.85	20	50.00	0	99.6	50	110	0		0	
2-Chloronaphthalene	43.40	0.50	10	50.00	0	86.8	50	105	0		0	
2-Nitroaniline	41.22	0.61	20	50.00	0	82.4	50	115	0		0	
Dimethylphthalate	50.52	0.21	10	50.00	0	101	25	125	0		0	
Acenaphthylene	43.65	0.73	10	50.00	0	87.3	50	105	0		0	
2,6-Dinitrotoluene	50.24	0.12	10	50.00	0	100	50	115	0		0	
3-Nitroaniline	11.77	2.2	20	50.00	0	23.5	20	125	0		0	J
Acenaphthene	46.64	0.85	10	50.00	0	93.3	45	110	0		0	
2,4-Dinitrophenol	53.50	2.2	20	50.00	0	107	15	140	0		0	
4-Nitrophenol	61.98	1.7	20	50.00	0	124	0	125	0		0	
Dibenzofuran	45.79	0.75	10	50.00	0	91.6	55	105	0		0	
2,4-Dinitrotoluene	51.20	0.17	10	50.00	0	102	50	120	0		0	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J1185
 Project: 151 Mt. Hope Ave.

SW8270_W
 SW846 8270D -- SVOA by GC-MS

Sample ID: LCS-52173 SampType: LCS TestCode: SW8270_W Prep Date: 06/09/10 17:00 Run ID: S1_100611A
 Client ID: LCS-52173 Batch ID: 52173 Units: µg/L Analysis Date: 06/11/10 12:29 SeqNo: 1314466

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diethylphthalate	52.63	0.22	10	50.00	0	105	40	120	0			
4-Chlorophenyl-phenylether	50.57	0.85	10	50.00	0	101	50	110	0			
Fluorene	52.70	0.67	10	50.00	0	105	50	110	0			
4-Nitroaniline	39.54	2.8	20	50.00	0	79.1	35	120	0			
4,6-Dinitro-2-methylphenol	53.35	1.0	20	50.00	0	107	40	130	0			
N-Nitrosodiphenylamine	30.29	0.62	10	50.00	0	60.6	50	110	0			
4-Bromophenyl-phenylether	52.37	0.59	10	50.00	0	105	50	115	0			
Hexachlorobenzene	52.65	0.74	10	50.00	0	105	50	110	0			
Pentachlorophenol	58.34	2.0	20	50.00	0	117	40	115	0			
Phenanthrene	49.67	0.35	10	50.00	0	99.3	50	115	0			S
Anthracene	49.91	1.5	10	50.00	0	99.8	55	110	0			
Carbazole	43.38	1.8	10	50.00	0	86.8	50	115	0			
Di-n-butylphthalate	49.98	1.7	10	50.00	0	100	55	115	0			
Fluoranthene	48.68	1.6	10	50.00	0	97.4	55	115	0			
Pyrene	51.36	1.8	10	50.00	0	103	50	130	0			
Butylbenzylphthalate	54.94	1.8	10	50.00	0	110	45	115	0			
3,3'-Dichlorobenzidine	2.156	1.9	10	50.00	0	4.31	20	110	0			
Benzo(a)anthracene	48.84	0.29	10	50.00	0	97.7	55	110	0			
Chrysene	48.47	2.2	10	50.00	0	96.9	55	110	0			
Bis(2-ethylhexyl)phthalate	52.26	0.37	10	50.00	0	105	40	125	0			
Di-n-octylphthalate	62.35	0.28	10	50.00	0	125	35	135	0			
Benzo(b)fluoranthene	59.20	0.58	10	50.00	0	118	45	120	0			
Benzo(k)fluoranthene	56.59	0.98	10	50.00	0	113	45	125	0			
Benzo(a)pyrene	52.42	1.9	10	50.00	0	105	55	110	0			
Indeno(1,2,3-cd)pyrene	58.89	1.5	10	50.00	0	118	45	125	0			
Dibenzo(a,h)anthracene	58.25	0.56	10	50.00	0	117	40	125	0			
Benzo(g,h,i)perylene	58.43	0.23	10	50.00	0	117	40	125	0			
Surrogate: Nitrobenzene-d5	36.03	0	10	50.00	0	72.1	40	110	0			
Surrogate: 2-Fluorobiphenyl	49.64	0	10	50.00	0	99.3	50	110	0			
Surrogate: Terphenyl-d14	56.62	0	10	50.00	0	113	50	135	0			
Surrogate: Phenol-d5	72.32	0	10	75.00	0	96.4	10	115	0			
Surrogate: 2-Fluorophenol	77.87	0	10	75.00	0	104	20	110	0			
Surrogate: 2,4,6-Tribromophenol	86.86	0	10	75.00	0	116	40	125	0			

Qualifiers: ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits B - Analyte detected in the associated Method Blank

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J1185
 Project: 151 Mt. Hope Ave.

SW8270_W
 SW846 8270D -- SVOA by GC-MS

Sample ID: LCSD-52173 SampType: LCSD TestCode: SW8270_W Prep Date: 06/09/10 17:00 Run ID: S1_100611A
 Client ID: LCSD-52173 Batch ID: 52173 Units: µg/L Analysis Date: 06/11/10 12:52 SeqNo: 1314467

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	27.58	0.22	10	50.00	0	55.2	0	115	41.66	40.7	40	R
Bis(2-chloroethyl)ether	31.99	0.28	10	50.00	0	64.0	35	110	42.74	28.8	40	
2-Chlorophenol	34.52	1.6	10	50.00	0	69.0	35	105	50.06	36.7	40	
1,3-Dichlorobenzene	29.34	0.66	10	50.00	0	58.7	30	100	40.41	31.7	40	
1,4-Dichlorobenzene	28.98	0.67	10	50.00	0	58.0	30	100	40.51	33.2	40	
1,2-Dichlorobenzene	33.08	0.72	10	50.00	0	66.2	35	100	45.78	32.2	40	
2-Methylphenol	34.16	1.6	10	50.00	0	68.3	40	110	47.31	32.3	40	
2,2'-oxybis(1-Chloropropane)	27.29	0.62	10	50.00	0	54.6	30	123	36.93	30	40	
4-Methylphenol	32.67	1.2	10	50.00	0	65.3	30	110	48.15	38.3	40	
N-Nitroso-di-n-propylamine	29.45	0.31	10	50.00	0	58.9	35	130	43.47	38.5	40	
Hexachloroethane	29.38	0.75	10	50.00	0	58.8	30	95	42.68	36.9	40	
Nitrobenzene	24.48	0.67	10	50.00	0	49.0	45	110	34.33	33.5	40	
Isophorone	30.63	0.26	10	50.00	0	61.3	50	110	40.33	27.3	40	
2-Nitrophenol	34.86	0.59	10	50.00	0	69.7	40	115	42.85	20.5	40	
2,4-Dimethylphenol	32.74	3.8	10	50.00	0	65.5	30	110	49.07	39.9	40	
2,4-Dichlorophenol	36.45	0.74	10	50.00	0	72.9	50	105	46.71	24.7	40	
1,2,4-Trichlorobenzene	29.93	0.77	10	50.00	0	59.9	35	105	40.15	29.2	40	
Naphthalene	28.61	0.65	10	50.00	0	57.2	40	100	40.60	34.7	40	
4-Chloroaniline	33.73	0.55	10	50.00	0	67.5	15	110	10.80	103	40	R
Bis(2-chloroethoxy)methane	29.49	0.22	10	50.00	0	59.0	45	105	35.39	18.2	40	
Hexachlorobutadiene	30.90	0.77	10	50.00	0	61.8	25	105	39.28	23.9	40	
4-Chloro-3-methylphenol	35.45	1.1	10	50.00	0	70.9	45	110	43.41	20.2	40	
2-Methylnaphthalene	32.24	0.55	10	50.00	0	64.5	45	105	44.77	32.5	40	SR
Hexachlorocyclopentadiene	13.08	2.4	10	50.00	0	26.2	27	147	22.24	51.9	40	
2,4,6-Trichlorophenol	35.66	0.59	10	50.00	0	71.3	50	115	51.60	36.5	40	
2,4,5-Trichlorophenol	36.77	0.85	20	50.00	0	73.5	50	110	49.81	30.1	40	
2-Chloronaphthalene	30.09	0.50	10	50.00	0	60.2	50	105	43.40	36.2	40	
2-Nitroaniline	27.54	0.61	20	50.00	0	55.1	50	115	41.22	39.8	40	
Dimethylphthalate	38.07	0.21	10	50.00	0	76.1	25	125	50.52	28.1	40	
Acenaphthylene	32.85	0.73	10	50.00	0	65.7	50	105	43.65	28.2	40	
2,6-Dinitrotoluene	36.98	0.12	10	50.00	0	74.0	50	115	50.24	30.4	40	
3-Nitroaniline	33.45	2.2	20	50.00	0	66.9	20	125	11.77	95.9	40	R
Acenaphthene	32.88	0.85	10	50.00	0	65.8	45	110	46.64	34.6	40	
2,4-Dinitrophenol	32.23	2.2	20	50.00	0	64.5	15	140	53.50	49.6	40	R
4-Nitrophenol	50.41	1.7	20	50.00	0	101	0	125	61.98	20.6	40	
Dibenzofuran	37.16	0.75	10	50.00	0	74.3	55	105	45.79	20.8	40	
2,4-Dinitrotoluene	40.99	0.17	10	50.00	0	82.0	50	120	51.20	22.2	40	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J1185
 Project: 151 Mt. Hope Ave.

SW8270_W
 SW846 8270D -- SVOA by GC-MS

Sample ID: LCSD-52173 SampType: LCSD TestCode: SW8270_W Run ID: S1_100611A
 Client ID: LCSD-52173 Batch ID: 52173 Units: µg/L Analysis Date: 06/11/10 12:52 SeqNo: 1314467

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diethylphthalate	38.91	0.22	10	50.00	0	77.8	40	120	52.63	30	40	
4-Chlorophenyl-phenylether	36.44	0.85	10	50.00	0	72.9	50	110	50.57	32.5	40	
Fluorene	37.70	0.67	10	50.00	0	75.4	50	110	52.70	33.2	40	
4-Nitroaniline	39.83	2.8	20	50.00	0	79.7	35	120	39.54	0.734	40	
4,6-Dinitro-2-methylphenol	33.15	1.0	20	50.00	0	66.3	40	130	53.35	46.7	40	R
N-Nitrosodiphenylamine	32.09	0.62	10	50.00	0	64.2	50	110	30.29	5.77	40	
4-Bromophenyl-phenylether	37.39	0.59	10	50.00	0	74.8	50	115	52.37	33.4	40	
Hexachlorobenzene	39.51	0.74	10	50.00	0	79.0	50	110	52.65	28.5	40	
Pentachlorophenol	42.75	2.0	20	50.00	0	85.5	40	115	58.34	30.9	40	
Phenanthrene	35.10	0.35	10	50.00	0	70.2	50	115	49.67	34.4	40	
Anthracene	32.77	1.5	10	50.00	0	65.5	55	110	49.91	41.5	40	
Carbazole	35.20	1.8	10	50.00	0	70.4	50	115	43.38	20.8	40	R
Di-n-butylphthalate	35.31	1.7	10	50.00	0	70.6	55	115	49.98	34.4	40	
Fluoranthene	34.60	1.6	10	50.00	0	69.2	55	115	48.68	33.8	40	
Pyrene	40.21	1.8	10	50.00	0	80.4	50	130	51.36	24.4	40	
Butylbenzylphthalate	41.12	1.8	10	50.00	0	82.2	45	115	54.94	28.8	40	
3,3'-Dichlorobenzidine	38.59	1.9	10	50.00	0	77.2	20	110	2.156	179	40	R
Benzo(a)anthracene	37.86	0.29	10	50.00	0	75.7	55	110	48.84	25.3	40	
Chrysene	40.60	2.2	10	50.00	0	81.2	55	110	48.47	17.7	40	
Bis(2-ethylhexyl)phthalate	39.90	0.37	10	50.00	0	79.8	40	125	52.26	26.8	40	
Di-n-octylphthalate	39.35	0.28	10	50.00	0	78.7	35	135	62.35	45.2	40	R
Benzo(b)fluoranthene	33.23	0.58	10	50.00	0	66.5	45	120	59.20	56.2	40	R
Benzo(k)fluoranthene	41.09	0.98	10	50.00	0	82.2	45	125	56.59	31.7	40	
Benzo(a)pyrene	37.16	1.9	10	50.00	0	74.3	55	110	52.42	34.1	40	
Indeno(1,2,3-cd)pyrene	38.38	1.5	10	50.00	0	76.8	45	125	58.89	42.2	40	R
Dibenzo(a,h)anthracene	38.31	0.56	10	50.00	0	76.6	40	125	58.25	41.3	40	R
Benzo(g,h,i)perylene	39.32	0.23	10	50.00	0	78.6	40	125	58.43	39.1	40	
Surrogate: Nitrobenzene-d5	28.41	0	10	50.00	0	56.8	40	110	0	0	40	
Surrogate: 2-Fluorobiphenyl	34.70	0	10	50.00	0	69.4	50	110	0	0	40	
Surrogate: Terphenyl-d14	42.75	0	10	50.00	0	85.5	50	135	0	0	40	
Surrogate: Phenol-d5	52.04	0	10	75.00	0	69.4	10	115	0	0	40	
Surrogate: 2-Fluorophenol	48.59	0	10	75.00	0	64.8	20	110	0	0	40	
Surrogate: 2,4,6-Tribromophenol	65.06	0	10	75.00	0	86.8	40	125	0	0	40	

0029

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

Mitkem Laboratories

Date: 16-Jun-10

Client: Day Environmental Inc.

Client Sample ID: MW10-1

Lab ID: J1185-01

Project: 151 Mt. Hope Ave.

Collection Date: 06/04/10 13:45

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 6010C -- Metals by ICP				SW6010_W
Arsenic	ND	20 µg/L	1 06/10/2010 12:58	52197
Barium	150 J	200 µg/L	1 06/10/2010 12:58	52197
Cadmium	ND	5.0 µg/L	1 06/10/2010 12:58	52197
Chromium	ND	20 µg/L	1 06/10/2010 12:58	52197
Lead	ND	10 µg/L	1 06/10/2010 12:58	52197
Selenium	ND	30 µg/L	1 06/10/2010 12:58	52197
Silver	ND	30 µg/L	1 06/10/2010 12:58	52197
SW846 7470A -- Mercury by FIA				SW7470
Mercury	ND	0.20 µg/L	1 06/10/2010 11:24	52196

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: 16-Jun-10

Client: Day Environmental Inc.

Client Sample ID: MW10-2

Lab ID: J1185-02

Project: 151 Mt. Hope Ave.

Collection Date: 06/04/10 15:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010C -- Metals by ICP							SW6010_W
Arsenic	ND		20	µg/L		1 06/10/2010 13:01	52197
Barium	210		200	µg/L		1 06/10/2010 13:01	52197
Cadmium	ND		5.0	µg/L		1 06/10/2010 13:01	52197
Chromium	ND		20	µg/L		1 06/10/2010 13:01	52197
Lead	ND		10	µg/L		1 06/10/2010 13:01	52197
Selenium	ND		30	µg/L		1 06/10/2010 13:01	52197
Silver	ND		30	µg/L		1 06/10/2010 13:01	52197
SW846 7470A -- Mercury by FIA							SW7470
Mercury	ND		0.20	µg/L		1 06/10/2010 11:25	52196

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: 16-Jun-10

Client: Day Environmental Inc.

Client Sample ID: MW10-3

Lab ID: J1185-03

Project: 151 Mt. Hope Ave.

Collection Date: 06/04/10 11:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010C -- Metals by ICP							SW6010_W
Arsenic	ND		20	µg/L		1 06/10/2010 13:04	52197
Barium	38	J	200	µg/L		1 06/10/2010 13:04	52197
Cadmium	ND		5.0	µg/L		1 06/10/2010 13:04	52197
Chromium	ND		20	µg/L		1 06/10/2010 13:04	52197
Lead	ND		10	µg/L		1 06/10/2010 13:04	52197
Selenium	ND		30	µg/L		1 06/10/2010 13:04	52197
Silver	ND		30	µg/L		1 06/10/2010 13:04	52197
SW846 7470A -- Mercury by FIA							SW7470
Mercury	ND		0.20	µg/L		1 06/10/2010 11:27	52196

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

ANALYTICAL QC SUMMARY REPORT
SW6010_W
SW846 6010C -- Metals by ICP

CLIENT: Day Environmental Inc.
 Work Order: J1185
 Project: 151 Mt. Hope Ave.

Sample ID: MB-52197 SampType: MBLK TestCode: SW6010_W Run ID: OPTIMA2_100610A
 Client ID: MB-52197 Batch ID: 52197 Units: µg/L Analysis Date: 06/10/10 12:33 SeqNo: 1314219

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	3.1	20									
Barium	ND	2.9	200									
Cadmium	0.5172	0.50	5.0									J
Chromium	ND	0.50	20									
Lead	ND	2.1	10									
Selenium	ND	10	30									
Silver	ND	2.4	30									

Sample ID: LCS-52197 SampType: LCS TestCode: SW6010_W Run ID: OPTIMA2_100610A
 Client ID: LCS-52197 Batch ID: 52197 Units: µg/L Analysis Date: 06/10/10 12:36 SeqNo: 1314220

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	428.4	3.1	20	455.0	0	94.1	80	120	0			
Barium	9083	2.9	200	9100	0	99.8	80	120	0			
Cadmium	208.4	0.50	5.0	227.0	0	91.8	80	120	0			
Chromium	888.7	0.50	20	910.0	0	97.7	80	120	0			B
Lead	422.5	2.1	10	455.0	0	92.9	80	120	0			
Selenium	413.8	10	30	455.0	0	90.9	80	120	0			
Silver	1164	2.4	30	1130	0	103	80	120	0			

Sample ID: LCSD-52197 SampType: LCSD TestCode: SW6010_W Run ID: OPTIMA2_100610A
 Client ID: LCSD-52197 Batch ID: 52197 Units: µg/L Analysis Date: 06/10/10 12:39 SeqNo: 1314221

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	420.5	3.1	20	455.0	0	92.4	80	120	428.4	1.86	20	
Barium	9292	2.9	200	9100	0	102	80	120	9083	2.28	20	
Cadmium	209.0	0.50	5.0	227.0	0	92.1	80	120	208.4	0.303	20	B
Chromium	900.1	0.50	20	910.0	0	98.9	80	120	888.7	1.28	20	
Lead	423.2	2.1	10	455.0	0	93.0	80	120	422.5	0.154	20	
Selenium	411.3	10	30	455.0	0	90.4	80	120	413.8	0.594	20	
Silver	1181	2.4	30	1130	0	105	80	120	1164	1.47	20	



Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
Work Order: J1185
Project: 151 Mt. Hope Ave.

SW6010_W
SW846 6010C -- Metals by ICP

Sample ID: J1185-03BSD **SampType:** SD **TestCode:** SW6010_W **Run ID:** OPTIMA2_100610A
Client ID: MW10-3 **Batch ID:** 52197 **Units:** µg/L **SeqNo:** 1314235

Prep Date: 06/09/10 11:30
Analysis Date: 06/10/10 13:07

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	16	100	0	0	0	0	0	0	0	10	
Barium	43.25	15	1000	0	0	0	0	0	38.11	12.6	10	JR
Cadmium	ND	2.5	25	0	0	0	0	0	0	0	10	
Chromium	ND	2.5	100	0	0	0	0	0	0	0	10	
Lead	ND	11	50	0	0	0	0	0	0	0	10	
Selenium	52.62	50	150	0	0	0	0	0	0	200	10	JR
Silver	ND	12	150	0	0	0	0	0	0	0	10	

0034

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Day Environmental Inc.
 Work Order: J1185
 Project: 151 Mt. Hope Ave.

SW7470
 SW846 7470A -- Mercury by FIA

Sample ID: MB-52196	SampType: MBLK	TestCode: SW7470	Prep Date: 06/09/10 12:10	Run ID: FIMS1_100610A	
Client ID: MB-52196	Batch ID: 52196	Units: µg/L	Analysis Date: 06/10/10 11:16	SeqNo: 1311782	
Analyte	Result	MDL	SPK Ref Val	%REC	LowLimit HighLimit
Mercury	ND	0.056	0	110	80 120
			SPK value	RPD Ref Val	%RPD RPDLimit
			4.550	0	0

Sample ID: LCS-52196	SampType: LCS	TestCode: SW7470	Prep Date: 06/09/10 12:10	Run ID: FIMS1_100610A	
Client ID: LCS-52196	Batch ID: 52196	Units: µg/L	Analysis Date: 06/10/10 11:18	SeqNo: 1311783	
Analyte	Result	MDL	SPK Ref Val	%REC	LowLimit HighLimit
Mercury	4.984	0.056	0	110	80 120
			SPK value	RPD Ref Val	%RPD RPDLimit
			4.550	0	0

Sample ID: LCSD-52196	SampType: LCSD	TestCode: SW7470	Prep Date: 06/09/10 12:10	Run ID: FIMS1_100610A	
Client ID: LCSD-52196	Batch ID: 52196	Units: µg/L	Analysis Date: 06/10/10 11:19	SeqNo: 1311784	
Analyte	Result	MDL	SPK Ref Val	%REC	LowLimit HighLimit
Mercury	4.957	0.056	0	109	80 120
			SPK value	RPD Ref Val	%RPD RPDLimit
			4.550	4.984	0.548 20

0035

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

WorkOrder: J1185

06/11/2010 18:16

Mitkem Laboratories

Client ID: DAY

Project: 151 Mt. Hope Ave.

WO Name: 151 Mt. Hope Ave.

Location: 151_MT_HOPE,

Comments: N/A

Case:

SDG:

HC Due: 06/18/10

Fax Due:

Fax Report:

Report Level: LEVEL 2

Special Program:

EDD: GISKEY

PO: 4302S-09

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
J1185-01A	MW10-01	06/04/2010 13:45	06/08/2010	Aqueous	SW8260_W	/					VOA
J1185-01B	MW10-01	06/04/2010 13:45	06/08/2010	Aqueous	SW6010_W	/ RCRA8				Y	M5
J1185-01B	MW10-01	06/04/2010 13:45	06/08/2010	Aqueous	SW7470	/ RCRA8					M5
J1185-01C	MW10-01	06/04/2010 13:45	06/08/2010	Aqueous	SW8270_W	/					H1
J1185-02A	MW10-02	06/04/2010 15:15	06/08/2010	Aqueous	SW8260_W	/					VOA
J1185-02B	MW10-02	06/04/2010 15:15	06/08/2010	Aqueous	SW6010_W	/ RCRA8				Y	M5
J1185-02B	MW10-02	06/04/2010 15:15	06/08/2010	Aqueous	SW7470	/ RCRA8					M5
J1185-02C	MW10-02	06/04/2010 15:15	06/08/2010	Aqueous	SW8270_W	/					H1
J1185-03A	MW10-03	06/04/2010 11:15	06/08/2010	Aqueous	SW8260_W	/					VOA
J1185-03B	MW10-03	06/04/2010 11:15	06/08/2010	Aqueous	SW6010_W	/ RCRA8				Y	M5
J1185-03B	MW10-03	06/04/2010 11:15	06/08/2010	Aqueous	SW7470	/ RCRA8					M5
J1185-03C	MW10-03	06/04/2010 11:15	06/08/2010	Aqueous	SW8270_W	/					H1
J1185-04A	TB6/4/10	06/04/2010 00:00	06/08/2010	Aqueous	SW8260_W	/					VOA

0000

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold



A DIVISION OF SPECTRUM ANALYTICAL, INC. FEATURING HANBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- TAT- Indicate Date Needed: 10 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jeff Damzenger
Dcy Environmental, Inc
40 Commercial Street
Roseton, NY 14614

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: Roscity 4302 S-09

Site Name: 151 Gmt Hope Ave

Location: 151 Mt. Hope Ave State: Ny

Sampler(s): KAC

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
 8= NaHSO₄ 9= _____ 10= _____ 11= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
 X1= _____ X2= _____ X3= _____

List preservative code below:

2	1	4					
---	---	---	--	--	--	--	--

Containers:

# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic
2	2	1	1

Analyses:

vdg260 tcl +	X				
svd5 8270 tcl + 5 tms	X				
svd5 8270 tcl	X				
6010/1420	X				
PK4 metals	X				

QA/QC Reporting Level

- Level I
 - Level II
 - Level III
 - Level IV
 - Other _____
- State specific reporting standards: _____

Notes:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic
	MW10-01	6/4/10	1345	↓	GW	2	2	1	1
	MW10-02	↓	1515	↓	↓	↓	↓	↓	↓
	MW10-03	↓	1115	↓	↓	↓	↓	↓	↓
	TB 6/4/10	↓		↓	↓	↓	↓	↓	↓

E-mail to: JDamzenger@daymail.net

EDD Format: PDF

Relinquished by: Kelly Candall

Received by: Fed EX

Date: 6/7/10 Time: 1045

Date: 6/4/10 Time: 8:45

Condition upon receipt: Iced Ambient °C

0007

MITKEM LABORATORIES

Sample Condition Form

Received By: C. Wad Reviewed By: SN Date: 6/8/10 Mitkem Work Order #: J1185

Client Project: 151-MT-Hope Client: Dave Soil Headspace or Air Bubble \geq 1/4"

	Lab Sample ID	Preservation (pH)					VOA Matrix	
		HNO ₃	H ₂ SO ₄	HCl	NaOH	H ₃ PO ₄		
1) Cooler Sealed <u>(Yes)</u> / No	J1185 01						H	
	↓ 02						↓	
2) Custody Seal(s) <u>(Present)</u> / Absent <u>(Coolers)</u> / Bottles <u>(Intact)</u> / Broken	J1185 03						↓	
	J1185 04						H	
3) Custody Seal Number(s) <u>NA</u>								
4) Chain-of-Custody <u>(Present)</u> / Absent								
5) Cooler Temperature <u>3°C</u> IR Temp Gun ID <u>MT-1</u> Coolant Condition <u>ICE</u>								
6) Airbill(s) <u>(Present)</u> / Absent Airbill Number(s) <u>Fed Ex</u> <u>793610524082</u>								
7) Samples Bottles <u>(Intact)</u> / Broken / Leaking								
8) Date Received <u>6/8/10</u>								
9) Time Received <u>8:45</u>								

Preservative Name/Lot No.:

VOA Matrix Key:
 US = Unpreserved Soil A = Air
 UA = Unpreserved Aqueous H = HCl
 M = MeOH E = Encore
 N = NaHSO₄ F = Freeze

Agnes Huntley [Mitkem]

From: Kelly Crandall [KCrandall@daymail.net]
Sent: Monday, June 14, 2010 9:34 AM
To: Agnes Huntley [Mitkem]
Cc: Charles Hampton
Subject: RE: COC

Thanks Agnes,
can you please use the following sample IDs for the report:

MW10-1
MW10-2
MW10-3

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Last Page of Data Report

APPENDIX G

Table 5 from “Supplemental Groundwater and Background Surface Soil Sampling Report, Former APCO Property, 79 Woodstock Road, Rochester, New York” dated February 6, 1998 and prepared by the Sear-Brown Group

TABLE 5
SUMMARY OF DETECTED SEMI-VOLATILE ORGANIC COMPOUNDS-
BACKGROUND SURFACE SOIL SAMPLES (ug/kg)

<i>Semi-Volatile Organic Compounds</i>	TAGM ⁽¹⁾	SS-17	SS-18	SS-19	SS-20	SS-21
Anthracene	50,000.	4,200. U	43. J	560. JD	670. JD	9,000. U
Benzo(a)anthracene	224.	1,400. JD	240. J	2,000. JD	2,900. JD	1,900. JD
Benzo(a)pyrene	61.	1,700. JD	330. J	2,800. JD	3,900. JD	3,000. JD
Benzo(b)fluoranthene	1,100.	1,900. JD	340. J	3,000. JD	4,400. D	3,500. JD
Benzo(ghi)perylene	50,000.	970. JD	140. J	1,300. JD	1,400. JD	1,500. JD
Benzo(k)fluoranthene	1,100.	1,600. JD	380. J	2,400. JD	3,700. JD	2,700. JD
Bis(2-ethylhexyl) phthalate	50,000.	940. JBD	210. JB	1,000. JBD	760. JBD	2,100. JBD
Butyl benzyl phthalate	50,000.	430. JD	54. J	4,200. U	4,000. U	9,000. U
Carbazole	NG	4,200. U	420. U	4,200. U	550. JD	9,000. U
Chrysene	400.	1,700. JD	300. J	2,400. JD	3,600. JD	2,400. JD
Di-n-butyl phthalate	8,100.	4,200. J	120. JB	4,200. J	4,000. J	9,000. J
Dibenzo(a,h)anthracene	14.	500. JD	70. J	4,200. U	710. JD	9,000. U
Fluoranthene	50,000.	3,800. JD	520.	5,000. D	7,600. D	3,600. JD
Indeno(1,2,3-cd)pyrene	3,200.	1,000. JD	160. J	1,400. JD	1,700. JD	1,700. JD
Phenanthrene	50,000.	1,800. JD	260. J	2,800. JD	4,200. D	1,300. JD
Pyrene	50,000.	2,700. JD	430.	3,800. JD	5,800. D	3,100. JD

Notes:

1. NYSDEC. January 24, 1994. Determination of Soil Cleanup Objectives and Cleanup Levels, Division of Hazardous Waste Remediation, Technical and Administrative Guidance Memorandum (TAGM) HWR 94-4046 (Revised).
2. All values expressed in micrograms per kilogram (ug/kg) which is equivalent to parts per billion.
3. Samples collected by Sear-Brown on January 23, 1998.
4. Laboratory analysis of SVOCs for all samples except SS-18 involved sample dilution.
5. Concentrations exceeding TOGS shown in **BOLD**.
6. NG = no guidance value established.