PHASE II ENVIRONMENTAL STUDY

28-30 OAKMAN STREET
ROCHESTER, NEW YORK

Prepared for:	The City of Rochester Division of Environmental Quality 30 Church Street Rochester, New York 14614
Prepared by:	Day Environmental, Inc. 40 Commercial Street Rochester, New York 14614
Project No.:	3925S-07
Date:	June 4, 2007

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1.0 INTRODUCTION

This report prepared by Day Environmental, Inc. (DAY) summarizes the findings of a Phase II Environmental Study conducted at 28-30 Oakman Street, City of Rochester, County of Monroe, New York (Site). The general location of the Site is shown on Figure 1 (Project Locus Map).

1.1 Background

DAY completed a Limited Phase I Environmental Site Assessment (Limited ESA) report (DAY file #3860E-06) dated October 6, 2006 for the parcel that comprises the Site. The Phase I ESA report identified the following recognized environmental conditions (REC) for the Site:

> **Current Use of the Site:** Limited site observations made from the adjoining sidewalk indicated that an automotive related business was operating at the Site. Additionally, a permit was issued by the City of Rochester for the conversion of the use of the property from a dairy to an automotive repair shop in 1983. As a result, it appears that vehicle repair/service was being performed at the Site. Potential environmental concerns associated with vehicle repair/service include: possible leakage, spillage or discharges from petroleum storage tanks (i.e., either aboveground or underground tanks); discharges of petroleum products/hazardous materials to floor drains, sumps and/or exterior areas; and leakage from hydraulic lifts and storage containers (e.g., drums).

1.2 Purpose

The purpose of this Phase II Environmental Study was to evaluate subsurface conditions, including soils, fill and groundwater, for the presence of contamination in relation to the recognized environmental conditions identified in the Phase I ESA report for the Site. The purpose also includes providing recommendations regarding the need for remedial actions, and to estimate approximate remedial costs, if warranted.

2.0 FIELDWORK AND ANALYTICAL LABORATORY TESTING

As part of this Phase II Environmental Study, various tasks were performed on the Site including: coordination of access to the property with the current owner; completing a site reconnaissance; conducting a floor drain dye test, and completion of a limited subsurface study. These tasks are discussed below.

2.1 Site Access and Reconnaissance

Prior to performing the site reconnaissance, the Site was occupied by a tenant that operated an automobile repair service. The property owner evicted this tenant on March 2, 2007, with the tenant and their belongings completely removed from the property on March 12, 2007. DAY performed a site reconnaissance on March 2, 2007. During the site reconnaissance, DAY observed the presence of two apparent floor drains. The first apparent floor drain is located in a "lounge" area of the auto repair shop. The second apparent floor drain is located in the northwest portion of the auto shop at the rear of the building.

Observations made during the site reconnaissance indicate the building is situated on the Site and the building appears to extend onto an adjoining City-owned parcel to the north addressed as 6 Fein Street. The exterior of the 6 Fein Street parcel and the interior of the portion of the building situated on the 6 Fein Street parcel were not accessible; thus, were not evaluated during this study. As such, DAY's Phase II Environmental Study was limited to within the boundaries of the 28-30 Oakman Street Site.

2.2 Floor Drain Dye Testing

As discussed above, the site reconnaissance identified the presence of two apparent floor drains. The first apparent floor drain located in a "lounge" area of the building was cemented shut and could not be dye-tested, therefore it could not be confirmed as a floor drain or it's discharge location confirmed. The second floor drain is located in the northwestern portion of the building and was dye-tested on March 9, 2007. DAY conducted dye testing by introducing approximately 15 gallons of water and biodegradable florescent dye into the floor drain, then opening down-gradient municipal sewer manholes to determine if the dye was visible in the sewer waste stream. The dye introduced into the floor drain was observed in a down-gradient sewer sanitary manhole located in Oakman Street that is approximately 170 feet west of the Site. In addition to confirming the connection to the sanitary system during the dye testing, DAY installed two test borings (designated TB-1 and TB-5) to evaluate the general integrity of the piping at these two locations (refer to Section 2.3).

2.3 Test Boring Evaluation

DAY retained TREC Environmental, Inc. (TREC) to advance test borings on the Site. On March 12 and 13, 2007, TREC advanced fourteen (14) test-borings (designated TB-1 through TB-14) on the Site using vehicle-mounted Geoprobe System soil sampling equipment. A Site Plan showing the location of these test borings is presented as Figure 2. As shown, test borings, TB-1, TB-2, TB-3, TB-4 and TB-5 were advanced through the floor inside the building. The remaining nine test borings were advanced at exterior locations. Due to narrow doorways, the "lounge" and office

portion of the building interior were inaccessible to the drill rig; thus, no test borings were advanced in these areas. The test borings were sampled continuously and advanced through the overburden until equipment refusal was encountered. Equipment refusal (i.e., inferred top of bedrock) was encountered in the test borings at depths ranging between 10.1 feet (TB-12) and 12.5 feet (TB-1). The average depth to equipment refusal encountered at the 14 test boring locations was 11.3 feet

The recovered soil samples were observed by a DAY representative to evaluate subsurface conditions for evidence of suspect contamination (e.g., type of fill, staining, unusual odors). Subsequently, portions of the recovered soil samples were placed in containers for possible laboratory analysis. The ambient air above different portions of the recovered soil samples was screened with a MiniRae Model 2000 photoionization detector (PID) equipped with a 10.6 eV lamp. Pertinent information recorded during the advancement of the test borings, including PID measurements, is presented on test boring logs that are included in Appendix A.

Selected soil samples were submitted for analytical laboratory testing. The samples submitted were based upon PID headspace readings, field observations, and to provide spatial coverage of the Site. The analytical laboratory program is discussed below in Section 2.6.

Upon completion of the test borings, each borehole was backfilled with cuttings. Interior test borings not completed as groundwater monitoring wells, were backfilled with cuttings and capped with concrete cement.

2.4 Groundwater Evaluation

As part of the studies conducted, test borings TB-1, TB-4, TB-7 and TB-14 were converted into groundwater monitoring wells designated MW-1, MW-2, MW-3, and MW-4, respectively (refer to Figure 2). Well MW-1 is located in the interior of the building, near the open floor drain in the northwest portion of the Site. Well MW-2 is located in the interior of the building in the west central portion of the site. Well MW-3 is located exterior to the building in the central portion of the site [i.e., in test boring TB-7 where the highest PID reading that was measured during the study (i.e., 8.9 ppm).] Well MW-4 is located exterior to the building, in the southeastern portion of the site near the property line.

Each well was constructed of nominal 1-inch diameter Schedule 40 polyvinyl chloride (PVC), consisted of a five-foot long No. 10 slot screen that was attached to solid riser casing extending from the top of the screened section to the ground surface. Each well screen was placed to intercept the top of the groundwater table observed at the time of drilling. To the extent possible, a washed and graded sand pack was placed around each screen and extending about one to two feet above it. A minimum two-foot bentonite seal was placed above the sand pack and the remaining annulus was filled with bentonite. A PVC cap was placed on the top of each PVC riser casing. Each exterior well was finished with a flush-mounted roadbox, while the PVC riser for each interior well was extended above the ground surface. Monitoring well construction diagrams are included in Appendix A.

<u>Monitoring Well Development</u>

The monitoring wells were developed by DAY on March 14, 2007 in order to restore natural hydraulic properties to the extent possible. Well development was performed utilizing a peristaltic

pump with dedicated polyethylene tubing to remove water from each monitoring well. No fluids were added to the wells during development, and well development tubing was dedicated to each well. Water quality readings (i.e., pH, conductance, temperature, and turbidity) were collected before, during, and after development. Copies of well development logs are included in Appendix B.

Groundwater Monitoring and Sampling

On March 15, 2007, the wells were purged of three well volumes or until dryness, and a groundwater sample was collected from each well for subsequent laboratory analysis. The samples collected are designated as samples MW1-3/07, MW2-3/07, MW3-3/07, and MW4-3/07. Copies of well sampling logs are included in Appendix B.

Survey and Groundwater Measurements

On March 22, 2007, the location of wells MW-1 through MW-4 were tape-measured in relation to existing site structures or to site boundaries, and the top of riser elevations were surveyed by DAY in relation to a site-specific assumed datum of 100.00 using a laser level. On March 15, 2007, DAY measured static water levels in the wells using a Heron Model HO1L oil/water interface probe. Evidence of light non-aqueous phase liquid (LNAPL) was not detected in the wells using the Heron oil/water interface probe during this monitoring event. A review of the calculated groundwater elevations for the March 15, 2007 monitoring event indicated the groundwater elevation for MW-4 was artificially high due to surface water run-off influence resulting in an inaccurate depiction of groundwater flow conditions on the Site. Therefore, a second round of groundwater elevation measurements were collected on April 25, 2007. The well elevations, static water levels and calculated groundwater elevations for the April 25, 2007 event are presented on Table 1. Evidence of LNAPL was not detected in the wells using the Heron oil/water interface probe during this monitoring event. A potentiometric groundwater contour map was developed using the April 25, 2007 groundwater elevation data, which is presented as Figure 3. As shown, groundwater at the Site generally flows towards the south on April 25, 2007.

Groundwater Monitoring Well Decommissioning

On May 14, 2007, the monitoring wells were removed from the ground and the boreholes were backfilled with hydrated bentonite pellets. Monitoring well boreholes located inside the building were capped with concrete cement, while exterior monitoring well boreholes were capped with site soils.

2.5 Decontamination Procedures and Study-Derived Wastes

Re-usable equipment (e.g., Geoprobe sampling equipment) used during the Phase II Environmental Study were decontaminated prior to being used at each location by implementing the following procedure: 1) rough wash in tap water; 2) wash in mixture of tap water and alconox soap; 3) rinse with tap water; and 4) air dry and/or dry with clean paper towel. Decontamination was conducted as a quality control measure to avoid cross-contamination between sample intervals at and between test locations. With the exception of the Heron Oil Water interface probe, dedicated sampling equipment was used during the groundwater evaluation to eliminate the need for decontamination. The Heron Oil Water interface probe was decontaminated using the method described above.

Drill cuttings that were generated during this study were used as backfill at their specific locations. Drill cuttings generated from test borings that were converted into monitoring wells were spread out at the ground surface near the corresponding test boring. Due to the potential for contamination, well development and well sampling purge waters from the monitoring wells were placed in a New York State Department of Transportation (NYSDOT)-approved 30-gallon drum that was labeled and staged on-site. The City of Rochester arranged for the transportation and disposal of the purge water in accordance with applicable regulations on May 16, 2007**.**

2.6 Analytical Laboratory Testing

The soil and groundwater samples collected during this study were submitted to Paradigm Environmental Services, Inc. (Paradigm), which is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified analytical laboratory. The samples submitted for testing and the corresponding analytical parameters are provided on Table 2.

The soil samples submitted for analysis are summarized as follows:

- Six samples for United States Environmental Protection Agency (USEPA) target compound list (TCL) and New York State Department of Environmental Conservation (NYSDEC) Spill Technology and Remediation Series (STARS)-list volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method 8260;
- Four samples for NYSDEC STARS-list semi-volatile organic compounds (SVOCs) using USEPA Method 8270;
- Four samples for Resource Conservation and Recovery Act (RCRA) metals using USEPA Methods 6010 and 7471;
- Two samples for Polychlorinated biphenyls (PCBs) using USEPA Method 8082;
- Three samples for Lead using USEPA Method 6010; and
- One sample for Toxicity Characteristic Leaching Procedure (TCLP)-Lead using USEPA Method 6010

The groundwater samples submitted for analysis are summarized as follows:

- Four samples for TCL and STARS-list using USEPA Method 8260;
- Two samples for STARS-list SVOCs using USEPA Method 8270; and
- Two samples for RCRA metals using USEPA Methods 6010 and 7470/7471.

3.0 FINDINGS

3.1 Floor Drain Dye-Testing

During the site reconnaissance two apparent floor drains were observed in the interior of the building. The floor drain located in the "lounge area" of the auto repair shop was cemented shut; thus, this drain could not be accessed. The second floor drain located in the rear of the building was open and dye testing confirmed the floor drain is connected to the sanitary manhole located in Oakman Street approximately 170 feet west of the Site.

3.2 Subsurface Conditions

In general, fill consisting of reworked soil (e.g. sands and silts) was presented beneath the on-site building to depths ranging from 3.2 to 6.0 feet below ground surface (ft. bgs). Heterogeneous fill ranging in depth from 5.4 to 7.0 ft. bgs and generally consisting of brown to black fine sand with some to little fine gravel and silt, with trace cinders, ash and slag was present in the exterior test borings installed on site. The fill is underlain by native red-brown to orange fine sand that extent to 10.8 ft bgs. The fine sand is underlain by glacial till.

The peak PID readings of 8.9 parts per million (ppm) and 3.9 ppm were recorded in TB-7 and TB-9, respectively. No other PID reading in excess of background levels (i.e. greater than 1.0 ppm) were measured on soil samples. Soil samples collected from test borings did not exhibit chemical or petroleum odors. No evidence of staining was observed in the soil samples collected, however DAY observed petroleum sheens in standing surface water accumulated on site.

On April 25, 2007 groundwater flow was relatively flat with a slight southern trend. Groundwater elevations, relative to the site-specific datum of 100.00 ranged from 90.90 to 91.18, with an average depth to 9.50 ft bgs.

3.3 Analytical Laboratory Results

Copies of the reports submitted by Paradigm for the soil and groundwater samples are included in Appendix C. Tables 3 through 6 summarize the analytical laboratory data and provide a comparison to NYSDEC criteria. The test results for the samples are further discussed as follows:

Soil Samples

As shown in Table 3, the VOCs toluene and xylene were detected in TB7-(0-4) at concentrations of 0.027 ppm and 0.0226 ppm, respectively. The VOCs benzene, toluene and xylene were detected in samples TB9-(0-4) at concentrations of 0.0574 ppm, 0.00979 ppm and 0.028 ppm, respectively. The detected concentration of these VOCs do not exceed their respective New York State Department of Conservation (NYSDEC) Soil Cleanup Objectives (SCOs) for an unrestricted or restricted residential property as referenced in the NYSDEC document titled 6NYCRR Subpart 375-6- Remedial Program Soil Clean-up Objectives (Subpart 375-6) dated December 14, 2006. VOCs were not detected at concentrations above the reported analytical laboratory detection limits in the other four samples that were tested.

As shown in Table 4, each of the RCRA metals except silver were detected in at least one of the four samples that were submitted for laboratory analysis. However, only the concentration of lead (545 ppm) reported in sample TB7-(0-4) exceeded its NYSDEC SCOs for unrestricted property use (i.e., 63 ppm) and restricted residential property use (i.e., 400 ppm) as referenced in 6NYCRR Subpart 375-6. Based on concentration of lead in sample TB7-(0-4), three additional soil samples that were collected from test borings, adjacent to TB7-(0-4) were submitted for laboratory analysis of total lead only. Of these addition samples, only the concentration in sample TB8-(0-4) 2,290 ppm exceeded the unrestricted property use and restricted residential property use SCOs for lead. The concentration of lead in sample TB8-(0-4) was sufficiently elevated that testing following a TCLP was performed to determine if this sample is a characteristic hazardous waste. The concentration of lead in TB8-(0-4) (1.59 milligrams per liter (mg/l) or ppm) by TCLP is below the regulatory limit of 5 mg/l as referenced in the Code of Federal Regulations Title 40, Part 261 "Protection of Environment-Identification and Listing of Hazardous Waste" (CFR40-261). [Note: Both sample TB7-(0-4) and TB8-(0-4) were collected from a fill layer that contained cinder and ash.]

Target SVOCs and PCBs were not detected at concentrations above the analytical laboratory detection limits in the four soil samples that were tested.

Groundwater Samples

As shown in Table 5, one target VOC (toluene) was detected in one (MW3-3/07) of the four samples submitted for laboratory analysis. However, the reported concentration of toluene (2.98 parts per billion (ppb)) in MW3-3/07 was below its NYSDEC Groundwater Quality Standard (GWQS) of 5 ppb as referenced in the NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 document titled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitation" (TOGS 1.1.1) dated June 1998 (as amended by addendums dated April 2000 and June 2004).

Target SVOCs were not detected at concentrations above analytical laboratory detection limits in the two-groundwater sample that were tested.

As shown in Table 6, only the metal barium was detected in groundwater samples MW1-3/07 and MW4-3/07 at concentrations of 59.0 ppb and 37.0 ppb, respectively. The detected concentrations of barium do not exceed its NYSDEC GWQS of 1,000 ppb as referenced in TOGS 1.1.1.

4.0 CONCLUSIONS AND RECOMMENDATIONS

A previous Phase I ESA report identified use of the Site for automobile repair as a REC. Intrusive work was performed as part of this Phase II Environmental Study in an effort to evaluate this REC.

This Phase II Environmental Study included: site reconnaissance of the interior and exterior of the Site; conducting a floor drain dye-test; advancement of 14 test borings; installation of four groundwater monitoring wells; field observations and PID screening on soil and groundwater samples; analytical laboratory testing of six soil samples and four groundwater samples; and evaluation of the data collected. The conclusions and recommendations developed by DAY based upon the work completed to date are summarized below.

Conclusions

Two floor drains were observed in the interior of the building. The drain located in the "lounge" area of the auto repair shop was cemented shut; thus, this drain could not be accessed. The second floor drain located in the rear of the building was open and dye testing confirmed the floor drain is connected to the sanitary manhole located in Oakman Street approximately 170 feet west of the Site.

Evidence of apparent petroleum-related VOC contamination was detected in the soil of only two of the 14 test locations at the Site (TB-7 and TB-9). However, the detected petroleum constituents do not exceed their respective NYSDEC SCOs. The observed contamination was encountered at shallow depths and may be the result of surface spills from the automotive repair operation that formerly occupied the Site. One petroleum-related VOC (i.e., toluene) was detected in one of the four-groundwater monitoring wells installed. However, the detected petroleum constituent was below the NYSDEC guidance value.

Fill material generally consisting of re-worked soil (e.g. sand and silt) was observed beneath the building. A heterogeneous fill consisting brown to black fine sand with some to little fine gravel and silt, with trace cinders, ash and slag, was encountered in soil samples collected from test borings advanced in exterior locations during this study. The fill samples submitted for laboratory analysis did not contain detectable levels of SVOCs or PCBs. The RCRA metals arsenic, barium, cadmium, chromium, lead, mercury and selenium were detected in one or more soil sample. However, only the concentration of lead (545 ppm and 2290 ppm) reported in samples TB7-(0-4) and TB8-(0-4) respectively exceeded its NYSDEC SCOs unrestricted property (63 ppm) and restricted residential property use (400 ppm), as referenced in 6NYCRR Subpart 375-6. The detected concentration of lead in sample TB7-(0-4) is less than the restricted commercial SCO of 1,000 ppm identified in 6NYCRR Subpart 375-6. The concentration of lead in sample TB8-(0-4) exceeds the commercial SCO but is below the industrial SCO of 3,900 ppm identified in 6NYCRR Subpart 375-6. Additionally, the TCLP concentration of lead in sample TB8-(0-4) is below the regulatory limit of a characteristic hazardous waste. These concentrations of detected metals appear attributable to the fill material, especially that which contains cinder and ash. As such, fill material may be considered a regulated solid waste, if disturbed.

Barium was detected in both groundwater samples tested during this study at concentrations of 59.0 ppb and 37.0 ppb. These concentrations do not exceed the groundwater standards of 1000 ppb for barium as referenced in NYSDEC TOGS 1.1.1.

Recommendations

Based on the findings of this study, no further studies or remedial activities are recommended at this time, if the Site continues to be used as a commercial property. However, if future Site plans

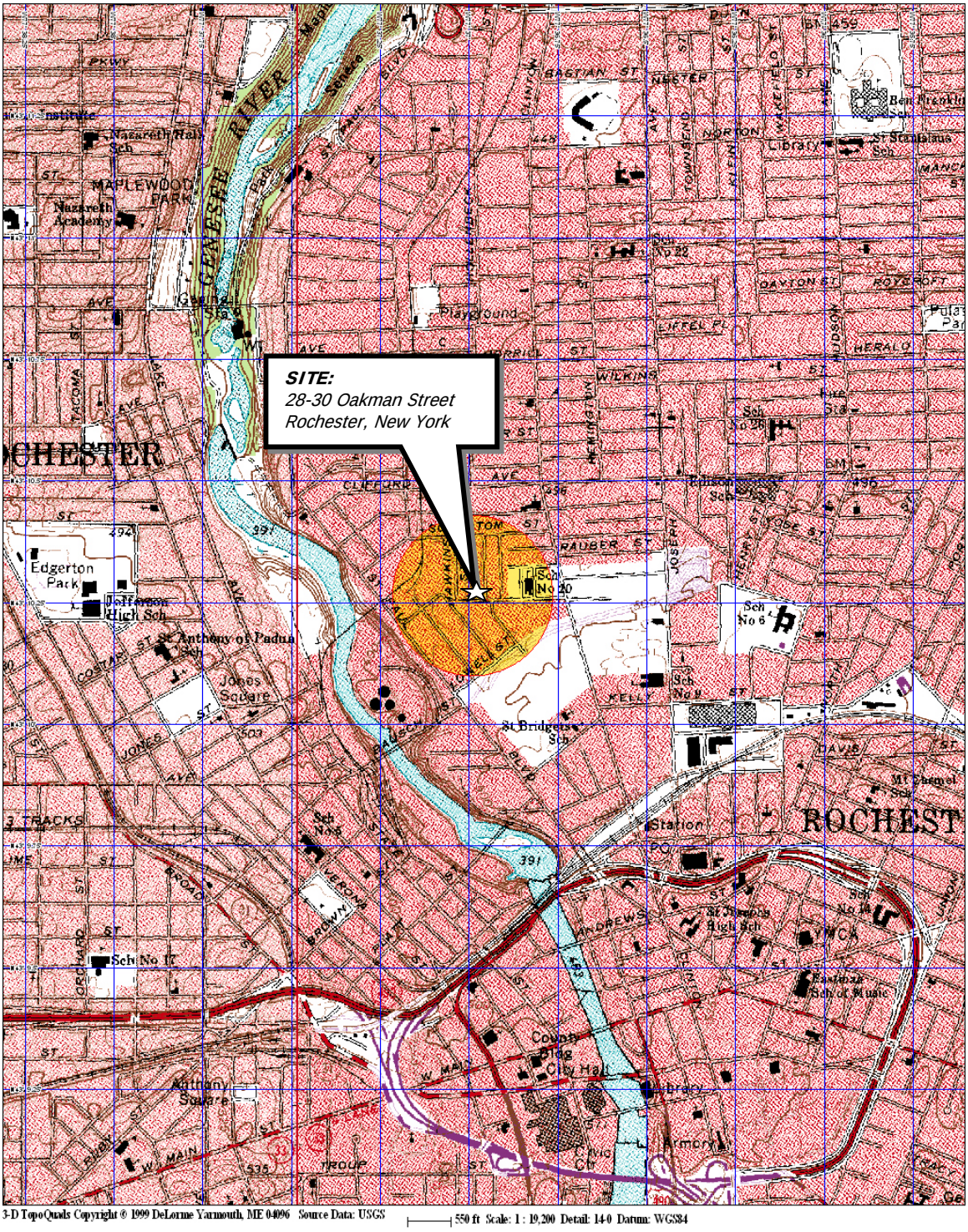
involve disturbance of the site soils (e.g. building demolition, site grading, etc) then the implementation of an Environmental Management Plan (EMP) and Health and Safety Plan (HASP) are recommended. Specifically, the EMP will address how to: 1) identify, characterize, handle, and dispose or re-use the fill material; and 2) establish goals, procedures, appropriate response actions and contingency actions to be used by on-site personnel should fill material or other unknown contaminated media, that be encountered and disturbed in the future. The HASP is intended to protect construction workers, on-site occupants, and the nearby community from exposures to constituents in the fill material should it be disturbed (i.e. during demolition activities, redevelopment activities, site grading, etc)

If site re-development is to include residential housing or other non-commercial/non-commercial uses, then remedial measures should be taken to address the lead impacted fill material. In addition to the development of an EMP and a HASP as described above, further investigation of the extent of the lead in fill material prior to implementing a remedial solution, may be warranted. Based on the information collected to date, the lead impacted fill area is assumed to be 30 ft by 20 ft by 6 feet deep, approximately 133 cubic yards (cy) or 240 tons of material. The most direct method of remediation for this material is to excavate and dispose of it off-site at an appropriate facility (i.e. approved landfill). Based on the current information available, the cost to excavate, transport and dispose of the fill material, collect and analyze confirmatory soil samples for lead, and backfill the excavation with uncontaminated select fill (e.g., bank run) is estimated to range between $37,000 and $45,000. [Note: This estimate includes a 20% contingency.] This estimate also includes associated environmental consulting services to develop an EMP, HASP and closure report, and to provide field documentation and monitoring services.

5.0 ABBREVIATIONS

CFR	Code of Federal Regulations
DAY	Day Environmental, Inc.
EMP	Environmental management Program
ELAP	Environmental laboratory Approval Program
ESA	Environmental Site Assessment
Ft bgs	Feet Below Ground Surface
GWQS	Groundwater Quality Standards
HASP	Health and Safety Plan
LNAPL	Light Non-Aqueous Phase Liquid
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
Paradigm	Paradigm Environmental Services
PCB	Polychlorinated Biphenyls
PID	Photoionization Detector
ppb	Parts Per Billion
ppm//mg/l	Parts Per Million/ milligrams per liter
PVC	Polyvinyl Chloride
REC	Recognized Environmental Conditions
RCRA	Resource Conservation and Recovery Act
SCOs	Soil Cleanup Objectives
STARS	Spill Technology and Remediation Series
SVOC	Semi-Volatile Organic Compound
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TREC	TREC Environmental, Inc.
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

FIGURES

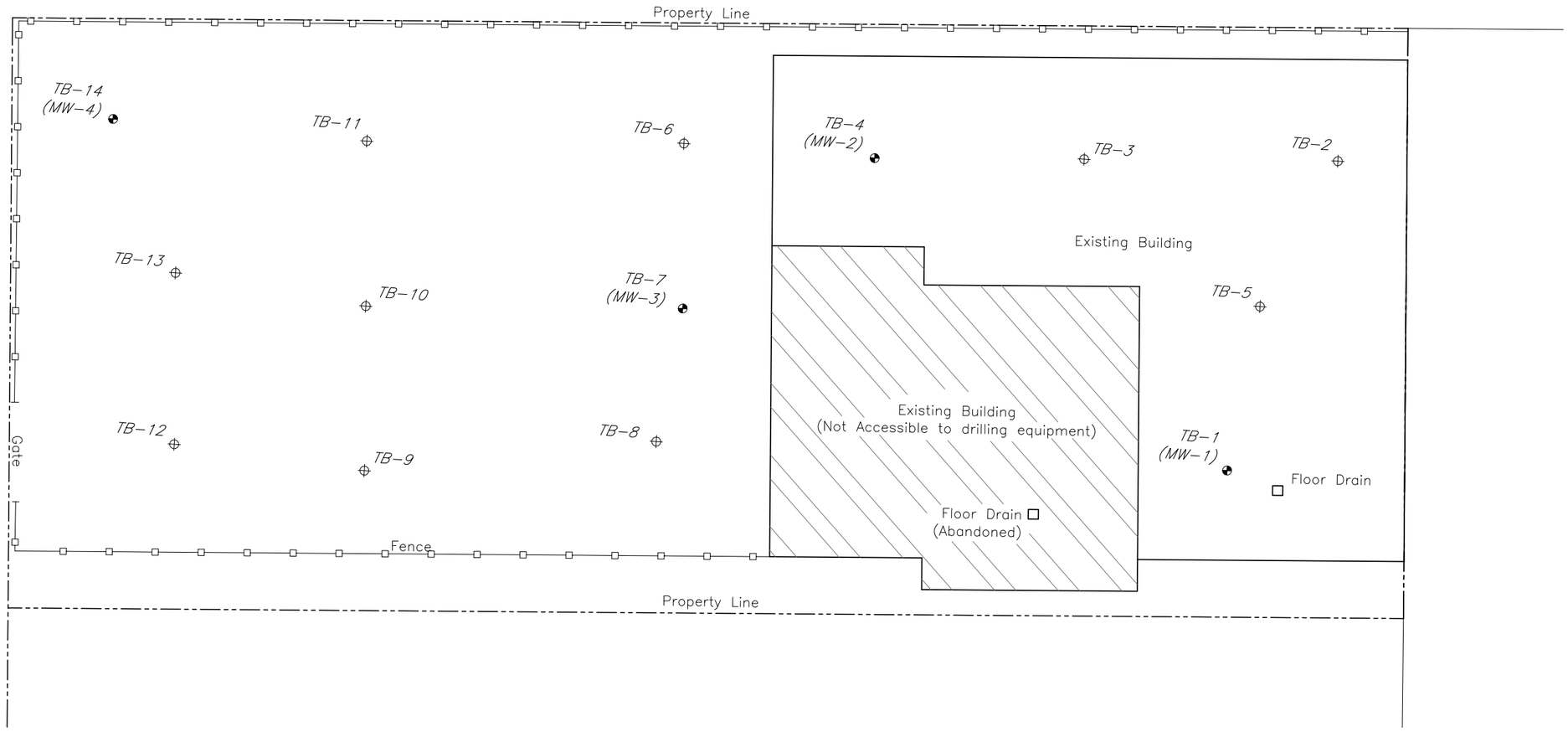


Drawing Produced From: 3-D TopoQuads, DeLorme Map Co., referencing USGS quad maps Rochester East and West (NY) 1995. Site Lat/Long: N43° 10.26' – W77° 37.00'

DATE **6/5/2007** DRAWN BY **CPS** SCALE **1" = 2000'**	day DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14614-1008 NEW YORK, NEW YORK 10165-1617	PROJECT TITLE **28-30 OAKMAN STREET** **ROCHESTER, NEW YORK** **PHASE II ENVIRONMENTAL STUDY** DRAWING TITLE **PROJECT LOCUS MAP**	PROJECT NO. **3925S-07** **FIGURE 1**

FEIN STREET

OAKMAN STREET



LEGEND:

- □ Floor Drain
- TB–2 ⊕ Test Boring
- MW–2 ◕ Monitoring Well
- Fence
- Property Line

TEST BORING LOCATION PLAN

1" = 10'

0' 10' 20' 30'

NOTE:

1. Drawing prepared from on–site, field ties conducted by a representative of Day Environmental, Inc.
2. Property boundary and locations determined through the use of 2005 GIS Data provided by the City of Rochester.

PROJECT MANAGER	DJG
DATE	04-2007
DRAWN BY	CPS
DATE DRAWN	04-2007
SCALE	AS NOTED
DATE ISSUED	05-11-2007

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

PROJECT TITLE
28-30 OAKMAN STREET
ROCHESTER, NEW YORK

PHASE II ENVIRONMENTAL STUDY

DRAWING TITLE
SITE PLAN WITH TEST BORING AND MONITORING WELL LOCATIONS

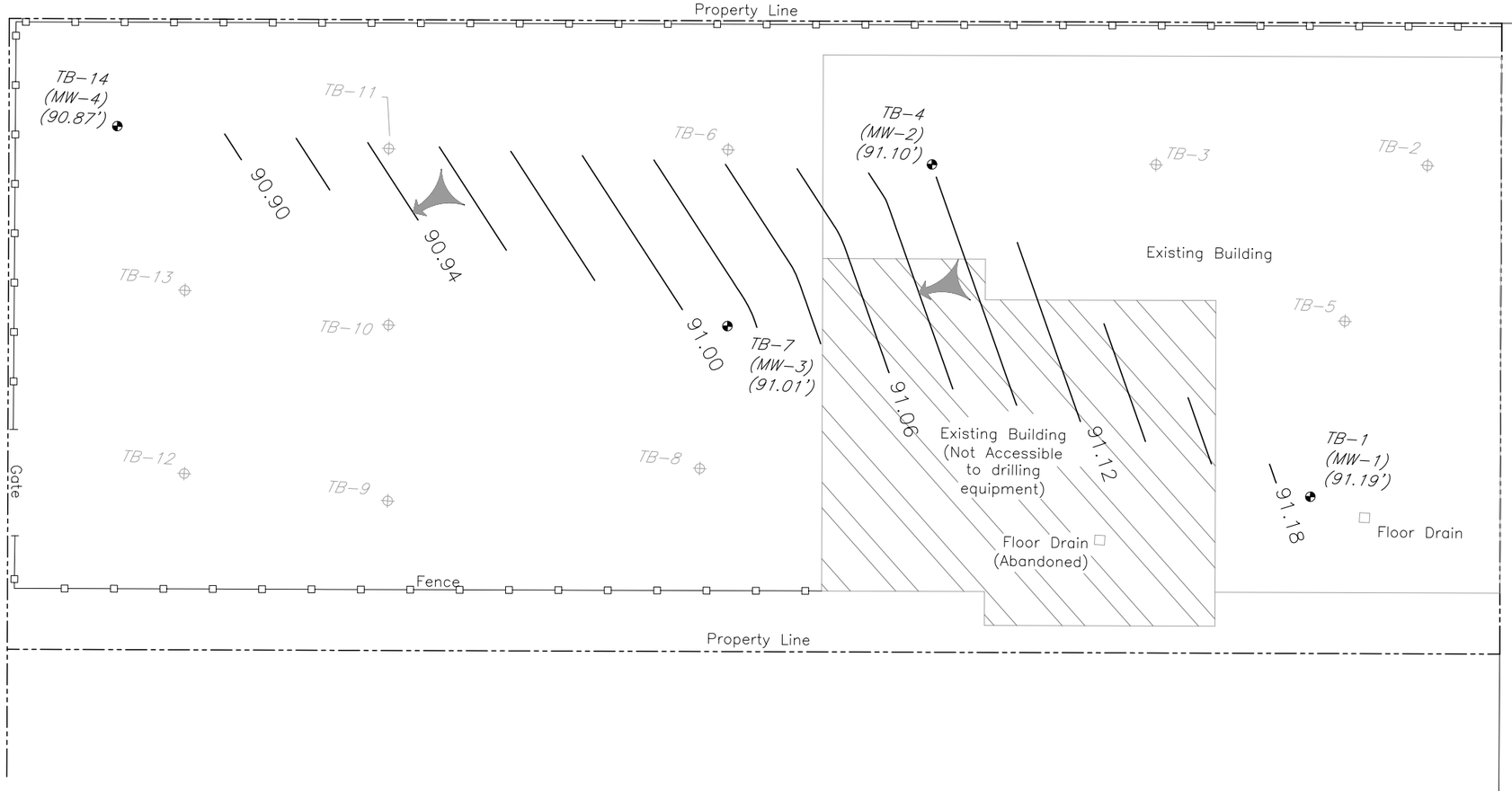
PROJECT NO.
3925S-07

FIGURE 2

Ref1:
Ref2:
Ref3:
Pen Setting File: 800psHalfScalecolor.ctb
Xerox4.32AnsiB–2; 11 x 17
Layout Name: BASE
Time Plotted: Tues Jun 05 13:13 2007
File Name: Rocity\3925\Rocity3925S–07 Base.dwg

FEIN STREET

OAKMAN STREET



LEGEND:

TB-2 ⊕	Test Boring
MW-2 (92.36') ◕	Monitoring Well (Groundwater Elevation)
▭—▭	Fence
—·—·—	Property Line
90.90	Groundwater Contour
➤	Approximate direction of groundwatrer flow

TEST BORING LOCATION PLAN

1" = 10'

0' 10' 20' 30'

NOTE:

1. Drawing prepared from on-site, field ties conducted by a representative of Day Environmental, Inc.
2. Property boundary and features determined through the use of 2005 GIS Data provided by the City of Rochester.
3. Potentiometric Contour Map generated using Surfer 8.0, Golden Software, 2002.

PROJECT MANAGER	DJG
DRAWN BY	CPS
SCALE	AS NOTED
DATE	04-2007
DATE DRAWN	04-2007
DATE ISSUED	05-11-2007

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

PROJECT TITLE
28-30 OAKMAN STREET
ROCHESTER, NEW YORK

PHASE II ENVIRONMENTAL STUDY

DRAWING TITLE
POTENTIOMETRIC GROUNDWATER FLOW MAP ON APRIL 25, 2007

PROJECT NO.
3925S-07

FIGURE 3

TABLES

Table 1

Groundwater Elevation Data for April 25, 2007

28-30 Oakman Street
Rochester, New York

WELL ID	TOP OF PVC CASING ELEVATION (FT)[1]	STATIC WATER LEVEL (FT)[2]	GROUNDWATER ELEVATION (FT)	TYPE OF WELL
MW-1	101.84	10.65	91.19	Overburden
MW-2	100.91	9.81	91.10	Overburden
MW-3	100.32	9.31	91.01	Overburden
MW-4	100.17	9.30	90.87	Overburden

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

1 = Elevations measured in relation to a site-specific datum of 100.00 feet at the northwest corner of a RG&E hand hole cover, located along Fien St. approximately 5 feet north of RG&E pole #1.

2 = Data from Top of inner PVC riser.

Table 2

28-30 Oakman Street, Rochester, New York

Analytical Laboratory Testing Program

Sample ID	Date Collected	Sample Matrix	Laboratory Analysis
TB2-(4-8)	3/12/2007	Soil	TCL/STARS VOCs
TB4-(1-3)	3/12/2007	Soil	TCL/STARS VOCs, STARS SVOCs, RCRA Metals
TB6-(0-4)	3/12/2007	Soil	Lead
TB7-(0-4)	3/13/2007	Soil	TCL/STARS VOCs, STARS SVOCs, RCRA Metals, PCBs
TB8-(0-4)	3/13/2007	Soil	Lead and TCLP Lead
TB9-(0-4)	3/13/2007	Soil	TCL/STARS VOCs, STARS SVOCs, RCRA Metals, PCBs
TB10-(0-4)	3/13/2007	Soil	Lead
TB11-(7-8)	3/13/2007	Soil	TCL/STARS VOCs
TB13-(4-8)	3/13/2007	Soil	TCL/STARS VOCs, STARS SVOCs, RCRA Metals
MW1-3/07 (TB-1)	3/15/2007	Groundwater	TCL/STARS VOCs, STARS SVOCs, RCRA Metals
MW2-3/07 (TB-4)	3/15/2007	Groundwater	TCL/STARS VOCs
MW3-3/07 (TB-7)	3/15/2007	Groundwater	TCL/STARS VOCs
MW4-3/07(TB-14)	3/15/2007	Groundwater	TCL/STARS VOCs, STARS SVOCs, RCRA Metals

STARS - Spill Technology And Remediation Series

TCL = Target Compound List

VOC - Volatile Organic Compound -USEPA Method 8260B

SVOC - Semi-Volatile Organic Compound- USEPA Method 8270C

RCRA Metals = Arsenic (USEPA Method 6010), Barium (USEPA Method 6010), Cadmium (USEPA Method 6010), Lead (USEPA Method 6010), Mercury (USEPA Method 7470 or 7471), Selenium (USEPA Method 6010) and Silver (USEPA Method 6010)

PCBs - Polychlorinated Biphenyls - USEPA Method 608/8082A

TCLP= Toxicity Characteristic Leaching Procedure

Table 3
28-30 Oakman Street, Rochester, New York

Summary of Detected Volatile Organic Compounds (VOCs)
in mg/Kg or Parts Per Million (ppm)

Soil Samples

Detected Compound	Unrestricted SCO (1)	Restricted Residential SCO (2)	TB2-(4-8)	TB4-(1-3)	TB7-(0-4)	TB9-(0-4)	TB11-(7-8)	TB13-(4-8)
Benzene	0.06	4.8	ND	ND	ND	0.0574	ND	ND
Toluene	0.7	100	ND	ND	0.0271	0.00979	ND	ND
Xylene (Total)	0.26	100	ND	ND	0.0226	0.028	ND	ND
TOTAL VOCS*	NA	NA	ND	ND	0.04979	0.09519	ND	ND

NA = Not available

(1) = Unrestricted soil cleanup objective (SCO) as referenced in 6 NYCRR Part 375 dated December 14, 2006.

(2) = Restricted residential SCO as referenced in 6 NYCRR Part 375 dated December 14, 2006.

ND = Not detected at concentration above reported analytical laboratory detection limit

Table 4
28-30 Oakman Street, Rochester, New York

Summary of RCRA Metals
in mg/Kg or Parts Per Million (ppm)

Soil Samples

Detected Analyte	Unrestricted SCO (1)	Restricted Residential SCO (2)	TB4-(1-3)	TB6-(0-4)	TB7-(0-4)	TB8-(0-4)	TB9-(0-4)	TB10-(0-4)	TB13-(4-8)
Arsenic	13	16	7.08		3.80		4.02		3.83
Barium	350	400	159		276		43.5		24.5
Cadmium	2.5	4.3	ND		1.02		ND		ND
Chromium	30	180	19.1		10.2		10.5		6.9
Lead	63	400	8.56	31.6	**545**	**2290**	31.6	29.4	6.11
Mercury	0.18	0.81	0.0209		0.0515		0.0218		0.0054
Selenium	3.9	180	ND		ND		ND		1.25
Silver	2	180	ND		ND		ND		ND

(1) = Unrestricted soil cleanup objective (SCO) as referenced in 6 NYCRR Part 375 dated December 14, 2006.

(2) = Restricted residential SCO as referenced in 6 NYCRR Part 375 dated December 14, 2006.

(3) = The restricted commercial and industrial SCOs for lead are 1000 ppm and 3900 ppm, respectively.

ND = Not detected at concentration above reported analytical laboratory detection limit.

545 = Exceeds both BCP Unrestricted and Restricted-Residential SCOs.

Blank Space= Not Analyzed

Table 5
28-30 Oakman Street, Rochester, New York

Summary of Detected Volatile Organic Compounds (VOCs)
in ug/L or Parts per Billion (ppb)

Groundwater Samples

Detected Compound	Groundwater Standard or Guidance Value (1)	MW1-3/07	MW2-3/07	MW3-3/07	MW4-3/07
Toluene	5	ND	ND	2.98	ND
TOTAL VOCS	NA	ND	ND	2.98	ND

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental tables dated April 2000 and June 2004.

ND = Not detected at concentration above reported analytical laboratory detection limit.

Table 6
28-30 Oakman Street, Rochester, New York

Summary of RCRA Metals
in ug/L or Parts per Billion (ppb)

Groundwater Samples

Detected Analyte	Groundwater Standard or Guidance Value (1)	MW1-3/07	MW4-3/07
Arsenic	25	ND	ND
Barium	1000	59	37
Cadmium	5	ND	ND
Chromium	50	ND	ND
Lead	25	ND	ND
Mercury	0.7	ND	ND
Selenium	10	ND	ND
Silver	50	ND	ND

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000

ND = Not detected at concentration above reported analytical laboratory detection limit.

APPENDIX A

Test Boring Logs and Monitoring Well Construction Diagrams

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TEST BORING TB-1 (MW-1)

Project #: ROCITY.3925S-07
Project Addres: 28-30 Oakman St.
Rochester, New York
DAY Represer: D. Gnage
Drilling Contra: TREC Environmental
Sampling Meth: Direct Push

Ground Elevation: NA
Datum: 100.00' (assumed)
Date Started: 3/12/2007
Date Ended: 3/12/2007
Borehole Depth: 12.5
Borehole Diameter: 2"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 9.74 (3/14/07)

Depth (ft)	Sample Number	Sample Depth (ft)	Recovery (ft)	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1						0-0.2 TILE Floor 0.2 Brown to Red Brown, fine Sand and Silt, trace fine Gravel, moist (FILL) 1.4	
2	01	0-4	3.0'	0.0	0.0	Red Brown, Silt and Clay, trace fine Sand and Gravel, dry (FILL) 3.2	
3						Red/Orange, fine SAND, trace to little Silt, dry	
4						…wet	
5						...Brown, trace to little fine Gravel, moist to wet	
6	02	4-8	1.3'	0.0	0.0		
7							
8							
9						... moist	
10	03	8-12	2.8'	0.0	0.0	10.5	
11						Red, Brown, fine to medium SAND, little Silt and fine to coarse Gravel, wet (TILL)	
12	04	12-12.5	0.2'	0.0	0.0	... saturated 12.5	
13						Bottom of Hole/Refusal	
14							
15							
16							

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.

TEST BORING TB-1 (MW-1)

40 COMMERCIAL STREET
ROCHESTER, NEW YORK 14614-1008
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
NEW YORK, NEW YORK 10165-1617
(212) 986-8645
FAX (212) 986-8657

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ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: ROCITY.3925S-07
Project Addres 28-30 Oakman St.
Rochester, New York
DAY Represer D. Gnage
Drilling Contra TREC Environmental
Sampling Meth Direct Push

TEST BORING TB-2

Ground Elevation: NA Datum: NA
Date Started: 3/12/2007 Date Ended: 3/12/2007
Borehole Depth: 12.5' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Sample Number	Sample Depth (ft)	Recovery (ft)	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1						Concrete Floor 0.3	
2	01	0-4	3.2'	0.0	0.0	Red Brown, Silt and Clay, trace fine Sand and Gravel, dry to moist (FILL)	
3							
4							
5	02	4-8	2.9'	0.0	0.0	... moist	
6						6.0	
7						Red/Orange, fine to medium SAND, little Silt, trace fine to coarse Gravel, moist to wet	
8							
9	03	8-12	2.0'	0.0	0.0		
10						10.6	
11						Red, Brown, fine to medium SAND, little Silt, and fine coarse Gravel, wet (TILL)	
12	04	12-12.5	0.0	NA	NA	12.5	
13						Bottom of Hole/Refusal	
14							
15							
16							

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.

TEST BORING TB-2

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ROCHESTER, NEW YORK 14614-1008
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
NEW YORK, NEW YORK 10165-1617
(212) 986-8645
FAX (212) 986-8657

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ENVIRONMENTAL CONSULTANTS
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TEST BORING TB-3

Ground Elevation: NA Datum: NA
Date Started: 3/12/2007 Date Ended: 3/12/2007
Borehole Depth: 12.0' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Sample Number	Sample Depth (ft)	Recovery (ft)	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1						Concrete Floor 0.4	
						VOID/Wood/Hard (FILL) 0.9	
2	01	0-3	2.2'	0.0	0.0	Orange Brown, Silt and fine Sand, trace fine Gravel, decayed Wood, Concrete, dry (FILL) 2.3	
3						Red/Orange Silt and Clay, trace fine Sand, dry to moist (FILL?) 3.4	
4						Red/Orange, Brown, fine to medium SAND, trace Silt, moist to wet	
5							
6	02	4-8	1.5'	0.0	0.0		
7							
8							
9						... wet	
10	03	8-12	2.5'	0.0	0.0	10.8	
11						Red, Brown, fine to medium SAND, little Silt and fine to coarse Gravel, wet (TILL) 12.0	
12						Bottom of Hole/Refusal	
13							
14							
15							
16							

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.

TEST BORING TB-3

40 COMMERCIAL STREET
ROCHESTER, NEW YORK 14614-1008
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
NEW YORK, NEW YORK 10165-1617
(212) 986-8645
FAX (212) 986-8657

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Sampling Meth Direct Push

TEST BORING TB-4 (MW-2)

Ground Elevation: NA
Datum: 100.00' (assumed)
Date Started: 3/12/2007
Date Ended: 3/12/2007
Borehole Depth: 12.0'
Borehole Diameter: 2"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 8.59' (3/14/07)

Depth (ft)	Sample Number	Sample Depth (ft)	Recovery (ft)	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1						Concrete Floor 0.4 No Sample 1.0	
2	01	1-4	2.0'	0.0	0.0	Brown, Silt and Clay, little fine Sand, trace fine Gravel (FILL)	
3						3.3	
4						Orange/Brown, fine to medium SAND, little Silt, dry to moist	
5	02	4-8	2.0'	0.0	0.0		
6						6.0	
7						... Brown, moist	
8							
9	03	8-12	2.4'	0.0	0.0	wet	
10							
11						10.7	
12						Red, Brown, fine to medium SAND, little Silt, trace to little fine to coarse Gravel, wet (TILL) 12.0	
13						Bottom of Hole/Refusal	
14							
15							
16							

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.

TEST BORING TB-4 (MW-2)

40 COMMERCIAL STREET
ROCHESTER, NEW YORK 14614-1008
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
NEW YORK, NEW YORK 10165-1617
(212) 986-8645
FAX (212) 986-8657

day
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AN AFFILIATE OF DAY ENGINEERING, P.C.

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Sampling Meth Direct Push

TEST BORING TB-5

Ground Elevation: NA Datum: NA
Date Started: 3/12/2007 Date Ended: 3/12/2007
Borehole Depth: 12.0' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Sample Number	Sample Depth (ft)	Recovery (ft)	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	01	0-4	3.0'	0.0	0.0	Tile Floor 0.2 Brown to Red Brown, fine Sand and Silt, trace fine Gravel, moist dry to moist (FILL)	
2							
3						3.5	
4	02	4-8	2.3'	0.0	0.0	Brown, fine to medium SAND, little Silt, trace fine Gravel, moist	
5							
6							
7							
8	03	8-12	2.1'	0.0	0.0		
9							
10						10.5	
11						Brown,Red, fine to medium SAND, little Silt and fine to coarse Gravel, wet (TILL)	
12						12.0	
13						Bottom of Hole/Refusal	
14							
15							
16							

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.

TEST BORING TB-5

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ROCHESTER, NEW YORK 14614-1008
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
NEW YORK, NEW YORK 10165-1617
(212) 986-8645
FAX (212) 986-8657

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TEST BORING TB-6

Ground Elevation: NA Datum: NA
Date Started: 3/12/2007 Date Ended: 3/12/2007
Borehole Depth: 11.0' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Sample Number	Sample Depth (ft)	Recovery (ft)	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	01	0-4	2.0'	0.0	0.0	Gravel 0.5 Brown, fine to medium Sand, little Silt, trace fine to coarse Gravel, moist (FILL)	
2							
3						Black Seam (1/8") @ 2.7	
4							
5	02	4-8	1.9'	0.0	0.0		
6						6.0	
7						... Orange/brown, moist to dry	
8							
9	03	8-11	2.0'	0.0	0.0		
10						10.0	
11						Red, Brown, fine to medium SAND, little Silt and fine to coarse Gravel, wet (TILL) 11.0	
12						Bottom of Hole/Refusal	
13							
14							
15							
16							

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.

TEST BORING TB-6

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ROCHESTER, NEW YORK 14614-1008
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
NEW YORK, NEW YORK 10165-1617
(212) 986-8645
FAX (212) 986-8657

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TEST BORING TB-7 (MW-3)

Ground Elevation: NA
Datum: 100.00 (assumed)
Date Started: 3/13/2007
Date Ended: 3/13/2007
Borehole Depth: 11.2'
Borehole Diameter: 2"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 7.76' (3/14/07)

Depth (ft)	Sample Number	Sample Depth (ft)	Recovery (ft)	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1						Brown, Gravel, wet 0.3	
						Brown, Silt and fine Sand, little fine to coarse Gravel, moist (FILL) 0.7	
						Brown, fine to coarse Sand and Gravel, trace Silt, dry (FILL)	
2	01	0-4	1.2'	8.9	0.0	... with trace Cinder, Ash, and Brick (FILL)	
3							
4							
5							
6	02	4-8	1.8'	1.0	0.0	6.5	
7				0.0	0.0	Brown, fine SAND, some to little Silt, trace fine Gravel, moist to wet	
8							
9							
10	03	8-11.2	2.0'	0.0	0.0	10.2	
						Red, Brown, fine SAND, some Silt, trace fine to coarse Gravel, wet (TILL)	
11						11.2	
12						Bottom of Hole/Refusal	
13							
14							
15							
16							

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.

TEST BORING TB-7 (MW-3)

40 COMMERCIAL STREET
ROCHESTER, NEW YORK 14614-1008
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
NEW YORK, NEW YORK 10165-1617
(212) 986-8645
FAX (212) 986-8657

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Rochester, New York
DAY Represer D. Gnage
Drilling Contra TREC Environmental
Sampling Meth Direct Push

TEST BORING TB-8

Ground Elevation: NA Datum: NA
Date Started: 3/13/2007 Date Ended: 3/13/2007
Borehole Depth: 11.3' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Sample Number	Sample Depth (ft)	Recovery (ft)	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	01	0-4	1.6'	0.0	0.0	Brown, Gravel, wet 0.2 Brown, Silt and fine Sand, trace fine Gravel, moist (FILL) 1.0 Brown, fine to coarse Sand and Gravel, trace to little Silt, trace Brick, Cinder, Ash, moist (FILL)	
2							
3							
4							
5	02	4-8	1.6'	0.0	0.0	6.0 Brown, fine SAND, some to little Silt, trace fine to coarse Gravel, moist to wet	
6							
7							
8							
9	03	8-11.3	1.2'	0.0	0.0		
10						10.2 Red, Brown, fine SAND, some Silt, trace fine to coarse Gravel, wet (TILL)	
11						11.0 Weathered Rock 11.3	
12						Bottom of Hole/Refusal	
13							
14							
15							
16							

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.

TEST BORING TB-8

40 COMMERCIAL STREET
ROCHESTER, NEW YORK 14614-1008
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
NEW YORK, NEW YORK 10165-1617
(212) 986-8645
FAX (212) 986-8657

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ENVIRONMENTAL CONSULTANTS
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TEST BORING TB-9

Project #: ROCITY.3925S-07
Project Addres: 28-30 Oakman St.
Rochester, New York
DAY Represer: D. Gnage
Drilling Contra: TREC Environmental
Sampling Meth: Direct Push

Ground Elevation: NA
Datum: NA
Date Started: 3/13/2007
Date Ended: 3/13/2007
Borehole Depth: 11.0'
Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Sample Number	Sample Depth (ft)	Recovery (ft)	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1						Dark Brown, GRAVEL, wet 0.3	
						Brown, Silt and Clay, trace fine Sand and Gravel, trace Cinder, dry (FILL) 1.6	
2	01	0-4	2.0'	3.9	0.0	Black, fine Sand, some fine to coarse Gravel, little Cinder, dry (FILL)	
3							
4							
5							
6	02	4-8	1.5'	0.0	0.0	6.5	
7						Brown, fine SAND, some Silt, little to trace fine Gravel, moist to wet 7.6	
8						Red, Brown, fine SAND, little Silt, trace fine to coarse Gravel, wet (TILL)	
9							
10	03	8-11	1.0'	0.0	0.0		
11						11.0	
						Bottom of Hole/Refusal	
12							
13							
14							
15							
16							

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.

TEST BORING TB-9

40 COMMERCIAL STREET
ROCHESTER, NEW YORK 14614-1008
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
NEW YORK, NEW YORK 10165-1617
(212) 986-8645
FAX (212) 986-8657

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Rochester, New York
DAY Represer D. Gnage
Drilling Contra TREC Environmental
Sampling Meth Direct Push

TEST BORING TB-10

Ground Elevation: NA Datum: NA
Date Started: 3/13/2007 Date Ended: 3/13/2007
Borehole Depth: 11.5' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Sample Number	Sample Depth (ft)	Recovery (ft)	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	01	0-4	2.9'	0.0	0.0	Dark Brown, Gravel, moist to wet 0.2 Brown, Silt and Clay, trace fine Sand, some fine to coarse Gravel, dry 1.1 Brown, fine to medium Sand, some to little Silt, little fine to coarse Gravel, dry to moist (FILL) trace Cinder @ 2.8	
2							
3							
4							
5	02	4-8	2.1'	0.0	0.0	5.9 Brown, fine SAND, some Silt, trace fine Gravel, moist to wet	
6							
7						7.8 Red, Brown, fine SAND, trace Silt, trace fine Gravel, wet (TILL)	
8							
9	03	8-11.5	1.5'	0.0	0.0		
10							
11						11.5	
12						Bottom of Hole/Refusal	
13							
14							
15							
16							

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.

TEST BORING TB-10

40 COMMERCIAL STREET
ROCHESTER, NEW YORK 14614-1008
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
NEW YORK, NEW YORK 10165-1617
(212) 986-8645
FAX (212) 986-8657

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Drilling Contra TREC Environmental
Sampling Meth Direct Push

TEST BORING TB-11

Ground Elevation: NA Datum: NA
Date Started: 3/13/2007 Date Ended: 3/13/2007
Borehole Depth: 10.9' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Sample Number	Sample Depth (ft)	Recovery (ft)	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1						Brown, GRAVEL, moist to wet (FILL) 0.2	
						Broken Concrete (FILL) 1.5	
2	01	0-4	1.8'	0.0	0.0	Red Brown, Silt, little Clay, trace fine Sand and Gravel, trace Cinder, dry (FILL)	
3							
4							
5							
6	02	4-7	1.0'	0.0	0.0	6.7	
7				0.0	0.0	Brown, fine to medium SAND, some Silt, trace fine Gravel, moist to wet	
8							
9							
10	03	8-11	1.6'	0.0	0.0	10.3	
11						Red, Brown, fine SAND, some Silt, trace fine to coarse Gravel, wet (TILL) 10.9	
12						Bottom of Hole/Refusal	
13							
14							
15							
16							

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.

TEST BORING TB-11

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: ROCITY.3925S-07
Project Addres 28-30 Oakman St.
Rochester, New York
DAY Represer D. Gnage
Drilling Contra TREC Environmental
Sampling Meth Direct Push

TEST BORING TB-12

Ground Elevation: NA Datum: NA
Date Started: 3/13/2007 Date Ended: 3/13/2007
Borehole Depth: 10.1' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Sample Number	Sample Depth (ft)	Recovery (ft)	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	01	0-4	4.0'	0.0	0.0	Brown, Gravel, wet (FILL) 0.2	
						Brown/Light Brown, Silt and Clay, trace fine Sand, trace Cinder (FILL) 1.5	
2						... no Cinder, moist (FILL)	
3							
4							
5	02	4-8	2.6'	0.0	0.0		
6						6.5	
7						Brown, fine to medium SAND, some Silt, trace fine Gravel, moist to wet	
8						8.0	
9	03	8-10.1	1.4'	0.1	0.0	Red, Brown, fine to medium SAND, some Silt, trace fine Gravel, wet (TILL)	
10						10.1	
						Bottom of Hole/Refusal	
11							
12							
13							
14							
15							
16							

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.

TEST BORING TB-12

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Project #: ROCITY.3925S-07
Project Addres 28-30 Oakman St.
Rochester, New York
DAY Represer D. Gnage
Drilling Contra TREC Environmental
Sampling Meth Direct Push

TEST BORING TB-13

Ground Elevation: NA Datum: NA
Date Started: 3/13/2007 Date Ended: 3/13/2007
Borehole Depth: 10.5' Borehole Diameter: 2"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Sample Number	Sample Depth (ft)	Recovery (ft)	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	01	0-4	1.7'	0.0	0.0	Brown, Gravel (FILL) 0.3 Brown, fine to medium Sand and Silt, little fine to coarse Gravel, moist (FILL)	
2							
3							
4							
5	02	4-8	2.1'	0.0	0.0	5.4 Brown, fine to medium SAND, some Silt, trace fine Gravel, wet	
6							
7							
8							
9	03	8-10.5	1.6'	0.0	0.0		
10						10.5	
11						Bottom of Hole/Refusal	
12							
13							
14							
15							
16							

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.

TEST BORING TB-13

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TEST BORING TB-14 (MW-4)

Project #: ROCITY.3925S-07
Project Addres: 28-30 Oakman St.
Rochester, New York
DAY Represer: D. Gnage
Drilling Contra: TREC Environmental
Sampling Meth: Direct Push

Ground Elevation: NA
Datum: 100.00 (assumed)
Date Started: 3/13/2007
Date Ended: 3/13/2007
Borehole Depth: 10.6'
Borehole Diameter: 2"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 2.70' (3/14/07)

Depth (ft)	Sample Number	Sample Depth (ft)	Recovery (ft)	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	01	0-4	3.4'	0.6	0.0	Brown, GRAVEL, wet (FILL) 0.2	
2				0.0	0.0	Brown, fine Sand and Gravel, little Silt, trace Cinder, moist (FILL) 1.3	
3						Brown/Red Brown, Silt and Clay, trace fine Sand and Gravel, moist (FILL?)	
4							
5	02	4-8	1.9'	0.0	0.0		
6							
7						7.0	
8						Brown, fine to medium SAND, trace Silt, trace fine Gravel, moist to wet	
9	03	8-10.6	1.3'	0.0	0.0	9.5	
10						Red, Brown, fine to medium SAND, some Silt, trace fine Gravel, wet (TILL) 10.6	
11						Bottom of Hole/Refusal	
12							
13							
14							
15							
16							

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.

TEST BORING TB-14 (MW-4)

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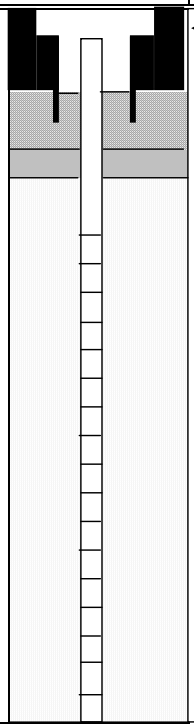
MONITORING WELL CONSTRUCTION DIAGRAM

Project #: 3925S-07
Project Address: 28-30 Oakman Street
Rochester, NY
DAY Representative: D. Gnage
Drilling Contractor: TREC Environmental

MONITORING WELL MW-1

Ground Elevation: 100.50' Datum: 100.00' (assumed)
Date Started: 3/12/2007 Date Ended: 3/12/2007
Water Level (Date): 91.19 (4/25/07)

Refer to Test Boring Log TB-1 for Soil Description



+ 1.34 Top of Riser Pipe (ft)
N/A Depth to Bottom of Cement Surface Patch (ft)
Backfill Type N/A

0.0 Depth to Top of Bentonite Seal (ft)
3.0 Depth to Bottom of Bentonite Seal (ft)

7.5 Depth to Top of Well Screen (ft)

2" Diameter of Borehole (in)

Backfill Type 00 Sand

1" Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10 - slot

12.5 Depth to Bottom of Well Screen (ft)

12.5 Depth of Borehole (ft)

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 MW-1

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MONITORING WELL CONSTRUCTION DIAGRAM

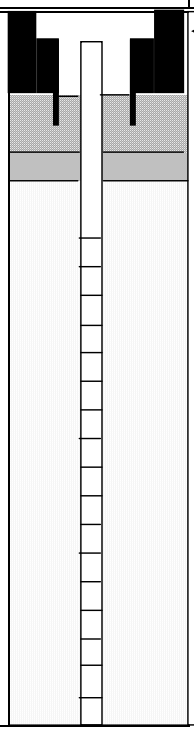
Project #: 3925S-07
Project Address: 28-30 Oakman Street
Rochester, NY
DAY Representative: D. Gnage
Drilling Contractor: TREC Environmental

MONITORING WELL MW-2

Ground Elevation: 100.75' Datum: 100.00' (assumed) Page 1 of 1
Date Started: 3/12/2007 Date Ended: 3/12/2007

Water Level (Date): 91.10 (4/25/07)

Refer to Test Boring Log TB-4 for Soil Description



+ 0.16 Top of Riser Pipe (ft)
N/A Depth to Bottom of Cement Surface Patch (ft)
Backfill Type N/A

0.0 Depth to Top of Bentonite Seal (ft)
4.5 Depth to Bottom of Bentonite Seal (ft)

7.0 Depth to Top of Well Screen (ft)

2" Diameter of Borehole (in)

Backfill Type 00 Sand

1" Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10 - slot

12.0 Depth to Bottom of Well Screen (ft)

12.0 Depth of Borehole (ft)

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 MW-2

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MONITORING WELL CONSTRUCTION DIAGRAM

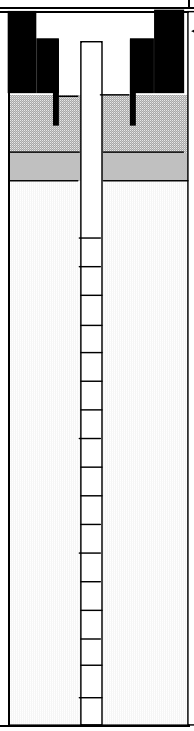
Project #: 3925S-07
Project Address: 28-30 Oakman Street
Rochester, NY
DAY Representative: D. Gnage
Drilling Contractor: TREC Environmental

MONITORING WELL MW-3

Ground Elevation: 100.59' Datum: 100.00' (assumed) Page 1 of 1
Date Started: 3/13/2007 Date Ended: 3/13/2007

Water Level (Date): 91.01 (4/25/07)

Refer to Test Boring Log TB-7 for Soil Description



0.27 Depth to Top of Riser Pipe (ft)
N/A Depth to Bottom of Cement Surface Patch (ft)
Backfill Type gravel

0.5 Depth to Top of Bentonite Seal (ft)
4.0 Depth to Bottom of Bentonite Seal (ft)

6.0 Depth to Top of Well Screen (ft)

2" Diameter of Borehole (in)

Backfill Type 00 Sand

1" Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10 - slot

11.0 Depth to Bottom of Well Screen (ft)

11.2 Depth of Borehole (ft)

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 MW-3

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MONITORING WELL CONSTRUCTION DIAGRAM

Project #: 3925S-07
Project Address: 28-30 Oakman Street
Rochester, NY
DAY Representative: D. Gnage
Drilling Contractor: TREC Environmental

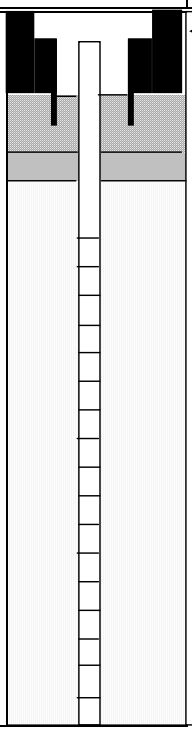
MONITORING WELL MW-4

Ground Elevation: 100.38' Datum: 100.00' (assumed)

Date Started: 3/13/2007 Date Ended: 3/13/2007

Water Level (Date): 90.87 (4/25/07)

Refer to Test Boring Log TB-14 for Soil Description



0.21 Depth to Top of Riser Pipe (ft)
N/A Depth to Bottom of Cement Surface Patch (ft)
Backfill Type N/A

0.5 Depth to Top of Bentonite Seal (ft)
1.0 Depth to Bottom of Bentonite Seal (ft)

5.6 Depth to Top of Well Screen (ft)

2" Diameter of Borehole (in)

Backfill Type 00 Sand

1" Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10 - slot

10.6 Depth to Bottom of Well Screen (ft)

10.6 Depth of Borehole (ft)

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 MW-4

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APPENDIX B

Well Development Logs and Well Sampling Logs

WELL DEVELOPMENT DATA
MW- 1

SITE LOCATION: 28-30 Oakman Street, Rochester, NY JOB#: 3925S-07

DATE/ TIME	3/14/07 10:18	3/14/07 10:20	3/14/07 10:22	3/14/07 10:25	3/14/07 10:30	3/14/07 10:35		
EVACUATION METHOD	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump		
PID/FID (PPM)	NC	NC	NC	NC	NC	NC		
DEPTH OF WELL (FT)	13.24							
STATIC WATER LEVEL (SWL) FT	9.74							
VOLUME EVACUATED (GAL)	0.14	0.36	0.5	0.5	0.5	0.5		
TOTAL VOLUME EVACUATED (GAL)	0.14	0.5	1.0	1.5	2.0	2.5		
TEMPERATURE (^{O}C)	13.3	13.3	13.2	13.0	13.2	12.9		
pH	6.97	6.88	6.98	7.02	6.94	7.03		
ORP (mV)	NC	NC	NC	NC	NC	NC		
CONDUCTIVITY (µs/cm)	505	587	605	633	645	675		
TURBIDITY (NTU)	999+	999+	999+	679	999+	180		
VISUAL OBSERVATION	Brown Cloudy	Brown Cloudy	Brown Cloudy	Brown Cloudy	Brown Cloudy	Brown Cloudy		

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

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WELL DEVELOPMENT DATA
MW- 2

SITE LOCATION: 28-30 Oakman Street, Rochester, NY JOB#: 3925S-07

DATE/ TIME	3/14/07 10:55	3/14/07 11:05						
EVACUATION METHOD	Peristaltic Pump	Peristaltic Pump						
PID/FID (PPM)	NC							
DEPTH OF WELL (FT)	11.7							
STATIC WATER LEVEL (SWL) FT	8.59	**"Dry" @ 0.25 gal.**						
VOLUME EVACUATED (GAL)	0.12	0.13						
TOTAL VOLUME EVACUATED (GAL)	0.12	0.25						
TEMPERATURE (^{O}C)	11.8	11.8						
pH	6.88	7.38						
ORP (mV)	NC	NC						
CONDUCTIVITY (µs/cm)	1080	1060						
TURBIDITY (NTU)	999+	999+						
VISUAL OBSERVATION	Brown Cloudy	Brown Cloudy						

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

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WELL DEVELOPMENT DATA
MW- 3

SITE LOCATION: 28-30 Oakman Street, Rochester, NY JOB#: 3925S-07

DATE/ TIME	3/14/07 11:30	3/14/07 11:40						
EVACUATION METHOD	Peristaltic Pump	Peristaltic Pump						
PID/FID (PPM)	NC							
DEPTH OF WELL (FT)	10.4							
STATIC WATER LEVEL (SWL) FT	7.76	**"Dry"**						
VOLUME EVACUATED (GAL)	0.1							
TOTAL VOLUME EVACUATED (GAL)	0.1							
TEMPERATURE (^{O}C)	9.8	12.2						
pH	6.55	7.64						
ORP (mV)	NC	NC						
CONDUCTIVITY (µs/cm)	1800	1900						
TURBIDITY (NTU)	999+	81						
VISUAL OBSERVATION	Brown Cloudy	Brown Cloudy						

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

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WELL DEVELOPMENT DATA
MW- 4

SITE LOCATION: 28-30 Oakman Street, Rochester, NY JOB#: 3925S-07

DATE/ TIME	3/14/07 11:55	3/14/07 12:00	3/14/07 12:05	3/14/07 12:15				
EVACUATION METHOD	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump				
PID/FID (PPM)	NC							
DEPTH OF WELL (FT)	9.4							
STATIC WATER LEVEL (SWL) FT	2.70							
VOLUME EVACUATED (GAL)	0.27	0.73	0.5	1.5				
TOTAL VOLUME EVACUATED (GAL)	0.27	1.0	1.5	3.0				
TEMPERATURE (^{O}C)	7.8	7.4	6.8	6.9				
pH	6.91	6.67	6.69	6.75				
ORP (mV)	NC	NC	NC	NC				
CONDUCTIVITY (µs/cm)	790	903	819	899				
TURBIDITY (NTU)	999+	999+	999+	999+				
VISUAL OBSERVATION	Brown Cloudy	Brown Cloudy	Brown Cloudy	Brown Cloudy				

LEGEND: NC = Not Collected
ND = Not Detected

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DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-1

SECTION 1 - SITE INFORMATION

SITE LOCATION: 28-30 Oakman St, Rochester, NY **JOB #:** 3925S-07

PROJECT NAME: Phase II, Environmental Study **DATE :** 3/15/07

SAMPLE COLLECTOR(S): D. Gnage

WEATHER CONDITIONS: 35º F **PID IN WELL (PPM)**: NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 13.28 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 9.62 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 0.15 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.15 **CASING DIA.:** 1-inch

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
		VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	0.041	

CALCULATED PURGE VOLUME [GAL]: 0.45 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 0.75

PURGE METHOD: Peristaltic Pump **PURGE START:** 11:06 **END:** 11:22

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW1 – 3/07	3/15/07 11:25	Peristaltic Pump	TCL/STARs VOCs, STARs SVOCs, RCRA Metals

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (us/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
NC	12.4	7.15	465	39.1	NM	NM	Cloudy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-2

SECTION 1 - SITE INFORMATION

SITE LOCATION: 28-30 Oakman St, Rochester, NY **JOB #:** 3925S-07

PROJECT NAME: Phase II Environmental Study **DATE :** 3/14/07

SAMPLE COLLECTOR(S): D. Gnage

WEATHER CONDITIONS: 35º F **PID IN WELL (PPM)**: NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 12.0 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 8.55 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 3.45 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.14 **CASING DIA.:** 1-inch

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
		VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	0.041	

CALCULATED PURGE VOLUME [GAL]: 0.45 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 0.5

PURGE METHOD: Peristaltic Pump **PURGE START:** 10:42 **END:** 10:58

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW2 – 3/07	3/14/07 11:00	Peristaltic Pump	TCL/STARS VOCs, STARS SVOCs, RCRA Metals

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (us/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
NC	10.9	6.79	1040	141	NM	NM	Slightly Cloudy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-3

SECTION 1 - SITE INFORMATION	
SITE LOCATION: 28-30 Oakman St, Rochester, NY	**JOB #:** 3925S-07
PROJECT NAME: Phase II Environmental Study	**DATE :** 3/15/07
SAMPLE COLLECTOR(S): D. Gnage	
WEATHER CONDITIONS: 35º F	**PID IN WELL (PPM)**: NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 10.4 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 7.74 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 2.66 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.11 **CASING DIA.:** 1-inch

CALCULATIONS:

CASING DIA. (FT)	**WELL CONSTANT(GAL/FT)**	**CALCULATIONS**
		VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	0.041	

CALCULATED PURGE VOLUME [GAL]: 0.3 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 0.1 Dry @ 1 volume

PURGE METHOD: Peristaltic Pump **PURGE START:** 10:18 **END:** 10:20

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	**DATE / TIME**	**SAMPLING METHOD**	**ANALYTICAL SCAN(S)**
MW3 – 3/07	3/15/07 11:35	Peristaltic Pump	TCL/STARS VOCs

SECTION 4 - WATER QUALITY DATA

SWL (FT)	**TEMP (°C)**	**pH**	**CONDUCTIVITY (uS/cm)**	**TURBIDITY (NTU)**	**DO (mg/L)**	**ORP (mV)**	**VISUAL**
NC	8.0	6.57	1,250	223	NM	NM	Cloudy

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MONITORING WELL SAMPLING LOG

WELL MW-4

SECTION 1 - SITE INFORMATION

SITE LOCATION: 28-30 Oakman St, Rochester, NY **JOB #:** 3925S-07

PROJECT NAME: Phase II Environmental Study **DATE :** 3/15/07

SAMPLE COLLECTOR(S): D. Gnage

WEATHER CONDITIONS: 35º F **PID IN WELL (PPM)**: NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 11.1 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 3.05 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 7.05 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.28 **CASING DIA.:** 1-inch

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
		VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	0.041	

CALCULATED PURGE VOLUME [GAL]: 0.85 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 1.0

PURGE METHOD: Peristaltic Pump **PURGE START:** 9:27 **END:** 9:43

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW4 – 3/07	3/15/07 9:45	Peristaltic Pump	TCL/STARS VOCs, STARS SVOCs, RCRA Metals

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (us/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
NC	3.8	6.63	970	8.25	NM	NM	Clear/Colorless

APPENDIX C

Analytical Laboratory Data

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ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

For Lab Project # 07-0844

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil or solid samples have been reported on a dry weight basis, unless qualified "reported as received".

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

This report contains a total of 24 pages.

179 Lake Avenue · Rochester, NY 14608 · (585) 647-2530 · Fax (585) 647-3311 · ELAP ID# 10958

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client:	Day Environmental	**Lab Project No.:**	07-0844
		Lab Sample No.:	3433
Client Job Site:	28-30 Oakman St.	**Sample Type:**	Soil
Client Job No.:	3925S-07		
Field Location:	TB4 - (1-3)	**Date Sampled:**	03/12/2007
Field ID No.:	N/A	**Date Received:**	03/13/2007

Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	03/15/2007	EPA 6010	7.08
Barium	03/15/2007	EPA 6010	159
Cadmium	03/15/2007	EPA 6010	<0.600
Chromium	03/15/2007	EPA 6010	19.1
Lead	03/15/2007	EPA 6010	8.56
Mercury	03/19/2007	EPA 7471	0.0209
Selenium	03/15/2007	EPA 6010	<0.600
Silver	03/15/2007	EPA 6010	<1.20

ELAP ID No.:10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client:	Day Environmental	**Lab Project No.:**	07-0844
		Lab Sample No.:	3434
Client Job Site:	28-30 Oakman St.		
		Sample Type:	Soil
Client Job No.:	3925S-07		
Field Location:	TB7 - (0-4)	**Date Sampled:**	03/13/2007
Field ID No.:	N/A	**Date Received:**	03/13/2007

Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	03/15/2007	EPA 6010	3.80
Barium	03/15/2007	EPA 6010	276
Cadmium	03/15/2007	EPA 6010	1.02
Chromium	03/15/2007	EPA 6010	10.2
Lead	03/15/2007	EPA 6010	545
Mercury	03/19/2007	EPA 7471	0.0515
Selenium	03/15/2007	EPA 6010	<0.516
Silver	03/15/2007	EPA 6010	<1.03

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client:	Day Environmental	**Lab Project No.:**	07-0844
		Lab Sample No.:	3435
Client Job Site:	28-30 Oakman St.		
		Sample Type:	Soil
Client Job No.:	3925S-07		
Field Location:	TB9 - (0-4)	**Date Sampled:**	03/13/2007
Field ID No.:	N/A	**Date Received:**	03/13/2007

Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	03/15/2007	EPA 6010	4.02
Barium	03/15/2007	EPA 6010	43.5
Cadmium	03/15/2007	EPA 6010	<0.458
Chromium	03/15/2007	EPA 6010	10.5
Lead	03/15/2007	EPA 6010	31.6
Mercury	03/19/2007	EPA 7471	0.0218
Selenium	03/15/2007	EPA 6010	<0.458
Silver	03/15/2007	EPA 6010	<0.915

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

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ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client:	Day Environmental	**Lab Project No.:**	07-0844
		Lab Sample No.:	3437
Client Job Site:	28-30 Oakman St.	**Sample Type:**	Soil
Client Job No.:	3925S-07		
Field Location:	TB13 - (4-8)	**Date Sampled:**	03/13/2007
Field ID No.:	N/A	**Date Received:**	03/13/2007

Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	03/15/2007	EPA 6010	3.83
Barium	03/15/2007	EPA 6010	24.5
Cadmium	03/15/2007	EPA 6010	<0.567
Chromium	03/15/2007	EPA 6010	6.90
Lead	03/15/2007	EPA 6010	6.11
Mercury	03/19/2007	EPA 7471	0.0054
Selenium	03/15/2007	EPA 6010	1.25
Silver	03/15/2007	EPA 6010	<1.13

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	28-30 Oakman St.	**Lab Project Number:**	07-0844
		Lab Sample Number:	3433
Client Job Number:	3925S-07		
Field Location:	TB4-(1-3)	**Date Sampled:**	03/12/2007
Field ID Number:	N/A	**Date Received:**	03/13/2007
Sample Type:	Soil	**Date Analyzed:**	03/14/2007

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.356
Aroclor 1221	ND< 0.356
Aroclor 1232	ND< 0.356
Aroclor 1242	ND< 0.356
Aroclor 1248	ND< 0.356
Aroclor 1254	ND< 0.356
Aroclor 1260	ND< 0.356

ELAP Number 10958 Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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PCB Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	28-30 Oakman St.	**Lab Project Number:**	07-0844
		Lab Sample Number:	3435
Client Job Number:	3925S-07		
Field Location:	TB9-(0-4)	**Date Sampled:**	03/13/2007
Field ID Number:	N/A	**Date Received:**	03/13/2007
Sample Type:	Soil	**Date Analyzed:**	03/14/2007

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.320
Aroclor 1221	ND< 0.320
Aroclor 1232	ND< 0.320
Aroclor 1242	ND< 0.320
Aroclor 1248	ND< 0.320
Aroclor 1254	ND< 0.320
Aroclor 1260	ND< 0.320

ELAP Number 10958 Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
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Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	28-30 Oakman St.	**Lab Project Number:**	07-0844
		Lab Sample Number:	3433
Client Job Number:	3925S-07		
Field Location:	TB4-(1-3)	**Date Sampled:**	03/12/2007
Field ID Number:	N/A	**Date Received:**	03/13/2007
Sample Type:	Soil	**Date Analyzed:**	03/16/2007

Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 342
Acenaphthylene	ND< 342
Anthracene	ND< 342
Benzo (a) anthracene	ND< 342
Benzo (a) pyrene	ND< 342
Benzo (b) fluoranthene	ND< 342
Benzo (g,h,i) perylene	ND< 342
Benzo (k) fluoranthene	ND< 342
Chrysene	ND< 342
Dibenz (a,h) anthracene	ND< 342
Fluoranthene	ND< 342
Fluorene	ND< 342
Indeno (1,2,3-cd) pyrene	ND< 342
Naphthalene	ND< 342
Phenanthrene	ND< 342
Pyrene	ND< 342

ELAP Number 10958 Method: EPA 8270C Data File: S33693.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	28-30 Oakman St.	**Lab Project Number:**	07-0844
		Lab Sample Number:	3434
Client Job Number:	3925S-07		
Field Location:	TB7-(0-4)	**Date Sampled:**	03/13/2007
Field ID Number:	N/A	**Date Received:**	03/13/2007
Sample Type:	Soil	**Date Analyzed:**	03/16/2007

Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 1,600
Acenaphthylene	ND< 1,600
Anthracene	ND< 1,600
Benzo (a) anthracene	ND< 1,600
Benzo (a) pyrene	ND< 1,600
Benzo (b) fluoranthene	ND< 1,600
Benzo (g,h,i) perylene	ND< 1,600
Benzo (k) fluoranthene	ND< 1,600
Chrysene	ND< 1,600
Dibenz (a,h) anthracene	ND< 1,600
Fluoranthene	ND< 1,600
Fluorene	ND< 1,600
Indeno (1,2,3-cd) pyrene	ND< 1,600
Naphthalene	ND< 1,600
Phenanthrene	ND< 1,600
Pyrene	ND< 1,600

ELAP Number 10958 Method: EPA 8270C Data File: S33694.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram
Detection limits elevated due to non-target hydrocarbons.

Signature: _____
Bruce Hoogesteger: Technical Director

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Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	28-30 Oakman St.	**Lab Project Number:**	07-0844
		Lab Sample Number:	3435
Client Job Number:	3925S-07		
Field Location:	TB9-(0-4)	**Date Sampled:**	03/13/2007
Field ID Number:	N/A	**Date Received:**	03/13/2007
Sample Type:	Soil	**Date Analyzed:**	03/16/2007

Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 3,020
Acenaphthylene	ND< 3,020
Anthracene	ND< 3,020
Benzo (a) anthracene	ND< 3,020
Benzo (a) pyrene	ND< 3,020
Benzo (b) fluoranthene	ND< 3,020
Benzo (g,h,i) perylene	ND< 3,020
Benzo (k) fluoranthene	ND< 3,020
Chrysene	ND< 3,020
Dibenz (a,h) anthracene	ND< 3,020
Fluoranthene	ND< 3,020
Fluorene	ND< 3,020
Indeno (1,2,3-cd) pyrene	ND< 3,020
Naphthalene	ND< 3,020
Phenanthrene	ND< 3,020
Pyrene	ND< 3,020

ELAP Number 10958 Method: EPA 8270C Data File: S33695.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram
Detection limits elevated due to non-target hydrocarbons.

Signature: _____
Bruce Hoogesteger: Technical Director

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Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	28-30 Oakman St.	**Lab Project Number:**	07-0844
		Lab Sample Number:	3437
Client Job Number:	3925S-07		
Field Location:	TB13-(4-8)	**Date Sampled:**	03/13/2007
Field ID Number:	N/A	**Date Received:**	03/13/2007
Sample Type:	Soil	**Date Analyzed:**	03/16/2007

Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 328
Acenaphthylene	ND< 328
Anthracene	ND< 328
Benzo (a) anthracene	ND< 328
Benzo (a) pyrene	ND< 328
Benzo (b) fluoranthene	ND< 328
Benzo (g,h,i) perylene	ND< 328
Benzo (k) fluoranthene	ND< 328
Chrysene	ND< 328
Dibenz (a,h) anthracene	ND< 328
Fluoranthene	ND< 328
Fluorene	ND< 328
Indeno (1,2,3-cd) pyrene	ND< 328
Naphthalene	ND< 328
Phenanthrene	ND< 328
Pyrene	ND< 328

ELAP Number 10958 Method: EPA 8270C Data File: S33696

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site: 28-30 Oakman St.
Client Job Number: 3925S-07
Field Location: TB2 - (4-8)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 07-0844
Lab Sample Number: 3432
Date Sampled: 03/12/2007
Date Received: 03/13/2007
Date Analyzed: 03/15/2007

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.43
Bromomethane	ND< 7.43
Bromoform	ND< 7.43
Carbon Tetrachloride	ND< 7.43
Chloroethane	ND< 7.43
Chloromethane	ND< 7.43
2-Chloroethyl vinyl Ether	ND< 7.43
Chloroform	ND< 7.43
Dibromochloromethane	ND< 7.43
1,1-Dichloroethane	ND< 7.43
1,2-Dichloroethane	ND< 7.43
1,1-Dichloroethene	ND< 7.43
cis-1,2-Dichloroethene	ND< 7.43
trans-1,2-Dichloroethene	ND< 7.43
1,2-Dichloropropane	ND< 7.43
cis-1,3-Dichloropropene	ND< 7.43
trans-1,3-Dichloropropene	ND< 7.43
Methylene chloride	ND< 18.6
1,1,2,2-Tetrachloroethane	ND< 7.43
Tetrachloroethene	ND< 7.43
1,1,1-Trichloroethane	ND< 7.43
1,1,2-Trichloroethane	ND< 7.43
Trichloroethene	ND< 7.43
Trichlorofluoromethane	ND< 7.43
Vinyl chloride	ND< 7.43

Aromatics	Results in ug / Kg
Benzene	ND< 7.43
Chlorobenzene	ND< 7.43
Ethylbenzene	ND< 7.43
Toluene	ND< 7.43
m,p-Xylene	ND< 7.43
o-Xylene	ND< 7.43
Styrene	ND< 18.6
1,2-Dichlorobenzene	ND< 7.43
1,3-Dichlorobenzene	ND< 7.43
1,4-Dichlorobenzene	ND< 7.43

Ketones	Results in ug / Kg
Acetone	ND< 37.1
2-Butanone	ND< 37.1
2-Hexanone	ND< 18.6
4-Methyl-2-pentanone	ND< 18.6

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 18.6
Vinyl acetate	ND< 18.6

ELAP Number 10958 Method: EPA 8260B Data File: V43089.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Day Environmental

Client Job Site:	28-30 Oakman St.	**Lab Project Number:**	07-0844
		Lab Sample Number:	3432
Client Job Number:	3925S-07		
Field Location:	TB2 - (4-8)	**Date Sampled:**	03/12/2007
Field ID Number:	N/A	**Date Received:**	03/13/2007
Sample Type:	Soil	**Date Analyzed:**	03/15/2007

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 7.43	1,2,4-Trimethylbenzene	ND< 7.43
sec-Butylbenzene	ND< 7.43	1,3,5-Trimethylbenzene	ND< 7.43
tert-Butylbenzene	ND< 7.43		
n-Propylbenzene	ND< 7.43	**Miscellaneous**	
Isopropylbenzene	ND< 7.43	Methyl tert-butyl Ether	ND< 7.43
p-Isopropyltoluene	ND< 7.43		
Naphthalene	ND< 18.6		

ELAP Number 10958 Method: EPA 8260B Data File: V43089.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site: 28-30 Oakman St.
Client Job Number: 3925S-07
Field Location: TB4 - (1-3)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 07-0844
Lab Sample Number: 3433
Date Sampled: 03/12/2007
Date Received: 03/13/2007
Date Analyzed: 03/15/2007

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 10.9
Bromomethane	ND< 10.9
Bromoform	ND< 10.9
Carbon Tetrachloride	ND< 10.9
Chloroethane	ND< 10.9
Chloromethane	ND< 10.9
2-Chloroethyl vinyl Ether	ND< 10.9
Chloroform	ND< 10.9
Dibromochloromethane	ND< 10.9
1,1-Dichloroethane	ND< 10.9
1,2-Dichloroethane	ND< 10.9
1,1-Dichloroethene	ND< 10.9
cis-1,2-Dichloroethene	ND< 10.9
trans-1,2-Dichloroethene	ND< 10.9
1,2-Dichloropropane	ND< 10.9
cis-1,3-Dichloropropene	ND< 10.9
trans-1,3-Dichloropropene	ND< 10.9
Methylene chloride	ND< 27.3
1,1,2,2-Tetrachloroethane	ND< 10.9
Tetrachloroethene	ND< 10.9
1,1,1-Trichloroethane	ND< 10.9
1,1,2-Trichloroethane	ND< 10.9
Trichloroethene	ND< 10.9
Trichlorofluoromethane	ND< 10.9
Vinyl chloride	ND< 10.9

Aromatics	Results in ug / Kg
Benzene	ND< 10.9
Chlorobenzene	ND< 10.9
Ethylbenzene	ND< 10.9
Toluene	ND< 10.9
m,p-Xylene	ND< 10.9
o-Xylene	ND< 10.9
Styrene	ND< 27.3
1,2-Dichlorobenzene	ND< 10.9
1,3-Dichlorobenzene	ND< 10.9
1,4-Dichlorobenzene	ND< 10.9

Ketones	Results in ug / Kg
Acetone	ND< 54.6
2-Butanone	ND< 54.6
2-Hexanone	ND< 27.3
4-Methyl-2-pentanone	ND< 27.3

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 27.3
Vinyl acetate	ND< 27.3

ELAP Number 10958 Method: EPA 8260B Data File: V43090.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Day Environmental

Client Job Site: 28-30 Oakman St.
Client Job Number: 3925S-07
Field Location: TB4 - (1-3)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 07-0844
Lab Sample Number: 3433
Date Sampled: 03/12/2007
Date Received: 03/13/2007
Date Analyzed: 03/15/2007

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 10.9	1,2,4-Trimethylbenzene	ND< 10.9
sec-Butylbenzene	ND< 10.9	1,3,5-Trimethylbenzene	ND< 10.9
tert-Butylbenzene	ND< 10.9		
n-Propylbenzene	ND< 10.9	**Miscellaneous**	
Isopropylbenzene	ND< 10.9	Methyl tert-butyl Ether	ND< 10.9
p-Isopropyltoluene	ND< 10.9		
Naphthalene	ND< 27.3		

ELAP Number 10958 Method: EPA 8260B Data File: V43090.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site: 28-30 Oakman St.
Client Job Number: 3925S-07
Field Location: TB7 - (0-4)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 07-0844
Lab Sample Number: 3434
Date Sampled: 03/13/2007
Date Received: 03/13/2007
Date Analyzed: 03/15/2007

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.24
Bromomethane	ND< 7.24
Bromoform	ND< 7.24
Carbon Tetrachloride	ND< 7.24
Chloroethane	ND< 7.24
Chloromethane	ND< 7.24
2-Chloroethyl vinyl Ether	ND< 7.24
Chloroform	ND< 7.24
Dibromochloromethane	ND< 7.24
1,1-Dichloroethane	ND< 7.24
1,2-Dichloroethane	ND< 7.24
1,1-Dichloroethene	ND< 7.24
cis-1,2-Dichloroethene	ND< 7.24
trans-1,2-Dichloroethene	ND< 7.24
1,2-Dichloropropane	ND< 7.24
cis-1,3-Dichloropropene	ND< 7.24
trans-1,3-Dichloropropene	ND< 7.24
Methylene chloride	ND< 18.1
1,1,2,2-Tetrachloroethane	ND< 7.24
Tetrachloroethene	ND< 7.24
1,1,1-Trichloroethane	ND< 7.24
1,1,2-Trichloroethane	ND< 7.24
Trichloroethene	ND< 7.24
Trichlorofluoromethane	ND< 7.24
Vinyl chloride	ND< 7.24

Aromatics	Results in ug / Kg
Benzene	ND< 7.24
Chlorobenzene	ND< 7.24
Ethylbenzene	ND< 7.24
Toluene	27.1
m,p-Xylene	22.6
o-Xylene	ND< 7.24
Styrene	ND< 18.1
1,2-Dichlorobenzene	ND< 7.24
1,3-Dichlorobenzene	ND< 7.24
1,4-Dichlorobenzene	ND< 7.24

Ketones	Results in ug / Kg
Acetone	ND< 36.2
2-Butanone	ND< 36.2
2-Hexanone	ND< 18.1
4-Methyl-2-pentanone	ND< 18.1

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 18.1
Vinyl acetate	ND< 18.1

ELAP Number 10958 Method: EPA 8260B Data File: V43091.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Day Environmental

Client Job Site:	28-30 Oakman St.	**Lab Project Number:**	07-0844
		Lab Sample Number:	3434
Client Job Number:	3925S-07		
Field Location:	TB7 - (0-4)	**Date Sampled:**	03/13/2007
Field ID Number:	N/A	**Date Received:**	03/13/2007
Sample Type:	Soil	**Date Analyzed:**	03/15/2007

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 7.24	1,2,4-Trimethylbenzene	ND< 7.24
sec-Butylbenzene	ND< 7.24	1,3,5-Trimethylbenzene	ND< 7.24
tert-Butylbenzene	ND< 7.24		
n-Propylbenzene	ND< 7.24	**Miscellaneous**	
Isopropylbenzene	ND< 7.24	Methyl tert-butyl Ether	ND< 7.24
p-Isopropyltoluene	ND< 7.24		
Naphthalene	ND< 18.1		

ELAP Number 10958 Method: EPA 8260B Data File: V43091.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site: 28-30 Oakman St.
Client Job Number: 3925S-07
Field Location: TB9 - (0-4)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 07-0844
Lab Sample Number: 3435
Date Sampled: 03/13/2007
Date Received: 03/13/2007
Date Analyzed: 03/15/2007

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 6.34
Bromomethane	ND< 6.34
Bromoform	ND< 6.34
Carbon Tetrachloride	ND< 6.34
Chloroethane	ND< 6.34
Chloromethane	ND< 6.34
2-Chloroethyl vinyl Ether	ND< 6.34
Chloroform	ND< 6.34
Dibromochloromethane	ND< 6.34
1,1-Dichloroethane	ND< 6.34
1,2-Dichloroethane	ND< 6.34
1,1-Dichloroethene	ND< 6.34
cis-1,2-Dichloroethene	ND< 6.34
trans-1,2-Dichloroethene	ND< 6.34
1,2-Dichloropropane	ND< 6.34
cis-1,3-Dichloropropene	ND< 6.34
trans-1,3-Dichloropropene	ND< 6.34
Methylene chloride	ND< 15.9
1,1,2,2-Tetrachloroethane	ND< 6.34
Tetrachloroethene	ND< 6.34
1,1,1-Trichloroethane	ND< 6.34
1,1,2-Trichloroethane	ND< 6.34
Trichloroethene	ND< 6.34
Trichlorofluoromethane	ND< 6.34
Vinyl chloride	ND< 6.34

Aromatics	Results in ug / Kg
Benzene	57.4
Chlorobenzene	ND< 6.34
Ethylbenzene	ND< 6.34
Toluene	9.79
m,p-Xylene	15.7
o-Xylene	12.3
Styrene	ND< 15.9
1,2-Dichlorobenzene	ND< 6.34
1,3-Dichlorobenzene	ND< 6.34
1,4-Dichlorobenzene	ND< 6.34

Ketones	Results in ug / Kg
Acetone	ND< 31.7
2-Butanone	ND< 31.7
2-Hexanone	ND< 15.9
4-Methyl-2-pentanone	ND< 15.9

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 15.9
Vinyl acetate	ND< 15.9

ELAP Number 10958 Method: EPA 8260B Data File: V43092.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Day Environmental

Client Job Site:	28-30 Oakman St.	**Lab Project Number:**	07-0844
		Lab Sample Number:	3435
Client Job Number:	3925S-07		
Field Location:	TB9 - (0-4)	**Date Sampled:**	03/13/2007
Field ID Number:	N/A	**Date Received:**	03/13/2007
Sample Type:	Soil	**Date Analyzed:**	03/15/2007

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 6.34	1,2,4-Trimethylbenzene	ND< 6.34
sec-Butylbenzene	ND< 6.34	1,3,5-Trimethylbenzene	ND< 6.34
tert-Butylbenzene	ND< 6.34		
n-Propylbenzene	ND< 6.34	**Miscellaneous**	
Isopropylbenzene	ND< 6.34	Methyl tert-butyl Ether	ND< 6.34
p-Isopropyltoluene	ND< 6.34		
Naphthalene	ND< 15.9		

ELAP Number 10958 Method: EPA 8260B Data File: V43092.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site: 28-30 Oakman St.
Client Job Number: 3925S-07
Field Location: TB11 - (7-8)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 07-0844
Lab Sample Number: 3436

Date Sampled: 03/13/2007
Date Received: 03/13/2007
Date Analyzed: 03/15/2007

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.62
Bromomethane	ND< 8.62
Bromoform	ND< 8.62
Carbon Tetrachloride	ND< 8.62
Chloroethane	ND< 8.62
Chloromethane	ND< 8.62
2-Chloroethyl vinyl Ether	ND< 8.62
Chloroform	ND< 8.62
Dibromochloromethane	ND< 8.62
1,1-Dichloroethane	ND< 8.62
1,2-Dichloroethane	ND< 8.62
1,1-Dichloroethene	ND< 8.62
cis-1,2-Dichloroethene	ND< 8.62
trans-1,2-Dichloroethene	ND< 8.62
1,2-Dichloropropane	ND< 8.62
cis-1,3-Dichloropropene	ND< 8.62
trans-1,3-Dichloropropene	ND< 8.62
Methylene chloride	ND< 21.5
1,1,2,2-Tetrachloroethane	ND< 8.62
Tetrachloroethene	ND< 8.62
1,1,1-Trichloroethane	ND< 8.62
1,1,2-Trichloroethane	ND< 8.62
Trichloroethene	ND< 8.62
Trichlorofluoromethane	ND< 8.62
Vinyl chloride	ND< 8.62

Aromatics	Results in ug / Kg
Benzene	ND< 8.62
Chlorobenzene	ND< 8.62
Ethylbenzene	ND< 8.62
Toluene	ND< 8.62
m,p-Xylene	ND< 8.62
o-Xylene	ND< 8.62
Styrene	ND< 21.5
1,2-Dichlorobenzene	ND< 8.62
1,3-Dichlorobenzene	ND< 8.62
1,4-Dichlorobenzene	ND< 8.62

Ketones	Results in ug / Kg
Acetone	ND< 43.1
2-Butanone	ND< 43.1
2-Hexanone	ND< 21.5
4-Methyl-2-pentanone	ND< 21.5

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 21.5
Vinyl acetate	ND< 21.5

ELAP Number 10958 Method: EPA 8260B Data File: V43093.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Day Environmental

Client Job Site:	28-30 Oakman St.	**Lab Project Number:**	07-0844
		Lab Sample Number:	3436
Client Job Number:	3925S-07		
Field Location:	TB11 - (7-8)	**Date Sampled:**	03/13/2007
Field ID Number:	N/A	**Date Received:**	03/13/2007
Sample Type:	Soil	**Date Analyzed:**	03/15/2007

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 8.62	1,2,4-Trimethylbenzene	ND< 8.62
sec-Butylbenzene	ND< 8.62	1,3,5-Trimethylbenzene	ND< 8.62
tert-Butylbenzene	ND< 8.62		
n-Propylbenzene	ND< 8.62	**Miscellaneous**	
Isopropylbenzene	ND< 8.62	Methyl tert-butyl Ether	ND< 8.62
p-Isopropyltoluene	ND< 8.62		
Naphthalene	ND< 21.5		

ELAP Number 10958 Method: EPA 8260B Data File: V43093.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site: 28-30 Oakman St.
Client Job Number: 3925S-07
Field Location: TB13 - (4-8)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 07-0844
Lab Sample Number: 3437
Date Sampled: 03/13/2007
Date Received: 03/13/2007
Date Analyzed: 03/15/2007

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 6.49
Bromomethane	ND< 6.49
Bromoform	ND< 6.49
Carbon Tetrachloride	ND< 6.49
Chloroethane	ND< 6.49
Chloromethane	ND< 6.49
2-Chloroethyl vinyl Ether	ND< 6.49
Chloroform	ND< 6.49
Dibromochloromethane	ND< 6.49
1,1-Dichloroethane	ND< 6.49
1,2-Dichloroethane	ND< 6.49
1,1-Dichloroethene	ND< 6.49
cis-1,2-Dichloroethene	ND< 6.49
trans-1,2-Dichloroethene	ND< 6.49
1,2-Dichloropropane	ND< 6.49
cis-1,3-Dichloropropene	ND< 6.49
trans-1,3-Dichloropropene	ND< 6.49
Methylene chloride	ND< 16.2
1,1,2,2-Tetrachloroethane	ND< 6.49
Tetrachloroethene	ND< 6.49
1,1,1-Trichloroethane	ND< 6.49
1,1,2-Trichloroethane	ND< 6.49
Trichloroethene	ND< 6.49
Trichlorofluoromethane	ND< 6.49
Vinyl chloride	ND< 6.49

Aromatics	Results in ug / Kg
Benzene	ND< 6.49
Chlorobenzene	ND< 6.49
Ethylbenzene	ND< 6.49
Toluene	ND< 6.49
m,p-Xylene	ND< 6.49
o-Xylene	ND< 6.49
Styrene	ND< 16.2
1,2-Dichlorobenzene	ND< 6.49
1,3-Dichlorobenzene	ND< 6.49
1,4-Dichlorobenzene	ND< 6.49

Ketones	Results in ug / Kg
Acetone	ND< 32.5
2-Butanone	ND< 32.5
2-Hexanone	ND< 16.2
4-Methyl-2-pentanone	ND< 16.2

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 16.2
Vinyl acetate	ND< 16.2

ELAP Number 10958 Method: EPA 8260B Data File: V43094.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Day Environmental

Client Job Site:	28-30 Oakman St.	**Lab Project Number:**	07-0844
		Lab Sample Number:	3437
Client Job Number:	3925S-07		
Field Location:	TB13 - (4-8)	**Date Sampled:**	03/13/2007
Field ID Number:	N/A	**Date Received:**	03/13/2007
Sample Type:	Soil	**Date Analyzed:**	03/15/2007

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 6.49	1,2,4-Trimethylbenzene	ND< 6.49
sec-Butylbenzene	ND< 6.49	1,3,5-Trimethylbenzene	ND< 6.49
tert-Butylbenzene	ND< 6.49		
n-Propylbenzene	ND< 6.49	**Miscellaneous**	
Isopropylbenzene	ND< 6.49	Methyl tert-butyl Ether	ND< 6.49
p-Isopropyltoluene	ND< 6.49		
Naphthalene	ND< 16.2		

ELAP Number 10958 Method: EPA 8260B Data File: V43094.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

REPORT TO:		INVOICE TO:	
COMPANY:	DAY Environmental	COMPANY:	Same
ADDRESS:	40 Commercial St	ADDRESS:	
CITY:	Rochester	STATE: NY	ZIP: 14614
PHONE:	585-454-0210	FAX:	
ATTN:	D Gayer	ATTN:	
COMMENTS:			

LAB PROJECT #: 07-0844

CLIENT PROJECT #: ~~[illegible]~~ 5925 S-02

PROJECT NAME/SITE NAME: I-390 Solomon St

TURNAROUND TIME: (WORKING DAYS)

STD: [X] 5 | OTHER: [ ] 1 [ ] 2 [ ] 3

QUOTE #: ?

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAINER NUMBER	TCL/STARS	VOCs by 8260 STARS list	8270 by ACM MT	PCBs by 8082	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	3/12/07	1040		X	TB2-(4-8)	soil	2	X					34332
2	↓	1205		X	TB4-(1-3)	↓	2	X	X	X	X		34333
3	3/13/07	840		X	TB7-(0-4)		2	X	X	X			34334
4	↓	930		X	TB9-(0-4)		2	X	X	X	X		34335
5		1050		X	TB11-(7-8)		2	X					34336
6	↓	1155		X	TB13-(4-8)	↓	2	X	X	X			34337
7													
8													
9													
10													

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y [X]	N [ ]
Comments:		
Preservation:	Y [X]	N [ ]
Comments:		
Holding Time:	Y [X]	N [ ]
Comments:		
Temperature:	Y [X]	N [ ]
Comments: 6°C iced		

Sampled By	David M Gayer	3/13/07 1355
Relinquished By	David M Gayer	3/13/07 1355
Received By	[signature]	3/13/07 1355
Received @ Lab By	Elizabeth A. Honch	3/13/07 1540

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

For Lab Project # 07-1592

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil or solid samples have been reported on a dry weight basis, unless qualified "reported as received".

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

This report contains a total of 13 pages.

179 Lake Avenue · Rochester, NY 14608 · (585) 647-2530 · Fax (585) 647-3311 · ELAP ID# 10958

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client:	Day Environmental, Inc.	**Lab Project No.:**	07-1592
Client Job Site:	28-30 Oakman St	**Sample Type:**	Soil
		Method:	SW846 6010
Client Job No.:	3925S-07		
		Date(s) Sampled:	03/12-13/2007
		Date Received:	05/10/2007
		Date Analyzed:	05/17/2007

Laboratory Report for Solid Analysis

Lab Sample No.	Field ID No.	Field Location	Lead Results (mg/kg)
5628	N/A	TB6-(0-4)	31.6
5629	N/A	TB8-(0-4)	2290
5630	N/A	TB10-(0-4)	29.4

ELAP ID No.: 10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: Day Environmental, Inc.	COMPANY: same	LAB PROJECT #: 07-1592 / CLIENT PROJECT #: 3925-07
ADDRESS: 40 Commercial Street	ADDRESS:	
CITY: Rochester STATE: NY ZIP: 14614-1008	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: 585-454-0210 FAX: 585-454-0825	PHONE: FAX:	STD [X] 5 / OTHER [ ]
ATTN: D. Gnagy	ATTN:	[ ] 1 [ ] 2 [ ] 3
COMMENTS: send e-copy		

PROJECT NAME/SITE NAME: 28-30 Oakman St

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Total Pb		Hold all samples plus TB7-(0-4)	label # 07-8414	3434	for possible TCLP	after analysis	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	3/12/07	1350		X	TB6-(0-4)	soil	2	X								56028
2	3/13/07	855		X	TB8-(0-4)	↓	↓	X								56029
3	↓	950		X	TB10-(0-4)	↓	↓	X								56030
4																
5																
6																
7																
8																
9																
10																

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: [X] PRESERVATIONS: [X] HOLDING TIME: [X] TEMPERATURE: [ ] 18°C iced @ 0905 5/10

Sampled By: [signature]	Date/Time:	Relinquished By:	Date/Time:
Relinquished By: [signature]	Date/Time: 5/9/07 1645	Received By:	Date/Time:
Received By: [signature]	Date/Time: 5/9/07 1645	Received @ Lab By: Elizabeth A. Honch	Date/Time: 5/10/07 1105

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Day Environmental, Inc.

Client Job Site: 28-30 Oakman St

Client Job No.: 3925S-07

Lab Project No.: 07-1592R

Sample Type: TCLP Extract
Analytical Method: EPA 6010
Date Sampled: 03/13/2007
Date Received: 05/18/2007
Date Analyzed: 05/22/2007

Laboratory Report for TCLP Lead Analysis

Lab ID No.	Field ID No.	Field Location	Result (mg/L)	Regulatory Limit (mg/L)
5629R	N/A	TB8-(0-4)	1.59	5.0

ELAP ID No.: 10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional sample information, including compliance with sample condition requirements upon receipt.

File ID:071592R.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: Day Environmental, Inc.	COMPANY: same	LAB PROJECT #: 07-1592R / CLIENT PROJECT #: 3925-07
ADDRESS: 40 Commercial Street	ADDRESS:	
CITY: Rochester STATE: NY ZIP: 14614-1008	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: 585-454-0210 FAX: 585-454-0825	PHONE: FAX:	STD [X] 5 / OTHER [ ]
PROJECT NAME/SITE NAME: 28-30 Oakman St	ATTN: D. Gnagey	ATTN:
	COMMENTS: send e-copy	

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Total Pb	Hold all samples after TB7-(0-4)	label 07-8444 3434 for possible TCLP	TCLP Pb after analysis	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 3/12/07	1350		X	TB6-(0-4)	soil	2	X					5628
2 3/13/07	850		X	TB8-(0-4)	↓	↓	X					5629R
3 ↓	950		X	TB10-(0-4)	↓	↓	X					5630
4												
5												
6											CPC Dg 5/18/07	
7											relog for TCLP Pb	
8											std TAT Polack	
9											TB-8 only 0830	
10												

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: [X] PRESERVATIONS: [X] HOLDING TIME: [X] TEMPERATURE: [ ] 18°C iced @ 0905 5/10

Sampled By: [signature] Date/Time:

Relinquished By: [signature] Date/Time: 5/9/07 1645

Received By: [signature] Date/Time: 5/9/07 1645

Relinquished By: Date/Time:

Received By: Date/Time:

Received @ Lab By: Elizabeth A. Honch 5/10/07 1105

Relog Elizabeth A. Honch 5/18/07 1040 5°C

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

For Lab Project # 07-0879

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil or solid samples have been reported on a dry weight basis, unless qualified "reported as received".

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

This report contains a total of 14 pages.

179 Lake Avenue · Rochester, NY 14608 · (585) 647-2530 · Fax (585) 647-3311 · ELAP ID# 10958

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client:	Day Environmental	**Lab Project No.:**	07-0879
		Lab Sample No.:	3539
Client Job Site:	28-30 Oakman St.	**Sample Type:**	Water
Client Job No.:	3925S-02		
Field Location:	MW1-3/07	**Date Sampled:**	03/15/2007
Field ID No.:	N/A	**Date Received:**	03/15/2007

Laboratory Report for RCRA Metals Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	03/19/2007	EPA 6010	<0.005
Barium	03/19/2007	EPA 6010	0.059
Cadmium	03/19/2007	EPA 6010	<0.005
Chromium	03/19/2007	EPA 6010	<0.010
Lead	03/19/2007	EPA 6010	<0.005
Mercury	03/19/2007	EPA 7470	<0.0002
Selenium	03/19/2007	EPA 6010	<0.005
Silver	03/19/2007	EPA 6010	<0.010

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client:	Day Environmental	**Lab Project No.:**	07-0879
		Lab Sample No.:	3542
Client Job Site:	28-30 Oakman St.	**Sample Type:**	Water
Client Job No.:	3925S-02		
Field Location:	MW4-3/07	**Date Sampled:**	03/15/2007
Field ID No.:	N/A	**Date Received:**	03/15/2007

Laboratory Report for RCRA Metals Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	03/19/2007	EPA 6010	<0.005
Barium	03/19/2007	EPA 6010	0.037
Cadmium	03/19/2007	EPA 6010	<0.005
Chromium	03/19/2007	EPA 6010	<0.010
Lead	03/19/2007	EPA 6010	<0.005
Mercury	03/19/2007	EPA 7470	<0.0002
Selenium	03/19/2007	EPA 6010	<0.005
Silver	03/19/2007	EPA 6010	<0.010

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi -Volatile STARS Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	28-30 Oakman St	**Lab Project Number:**	07-0879
		Lab Sample Number:	3539
Client Job Number:	3925S-07		
Field Location:	MW1 - 3/07	**Date Sampled:**	03/15/2007
Field ID Number:	N/A	**Date Received:**	03/15/2007
Sample Type:	Water	**Date Analyzed:**	03/20/2007

Base / Neutrals	Results in ug / L
Acenaphthene	ND< 10.0
Acenaphthylene	ND< 10.0
Anthracene	ND< 10.0
Benzo (a) anthracene	ND< 10.0
Benzo (a) pyrene	ND< 10.0
Benzo (b) fluoranthene	ND< 10.0
Benzo (g,h,i) perylene	ND< 10.0
Benzo (k) fluoranthene	ND< 10.0
Chrysene	ND< 10.0
Dibenz (a,h) anthracene	ND< 10.0
Fluoranthene	ND< 10.0
Fluorene	ND< 10.0
Indeno (1,2,3-cd) pyrene	ND< 10.0
Naphthalene	ND< 10.0
Phenanthrene	ND< 10.0
Pyrene	ND< 10.0

ELAP Number 10958 Method: EPA 8270C Data File: S33725.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogestegen, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi -Volatile STARS Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site: 28-30 Oakman St
Client Job Number: 3925S-07
Field Location: MW4 - 3/07
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 07-0879
Lab Sample Number: 3542

Date Sampled: 03/15/2007
Date Received: 03/15/2007
Date Analyzed: 03/20/2007

Base / Neutrals	Results in ug / L
Acenaphthene	ND< 10.0
Acenaphthylene	ND< 10.0
Anthracene	ND< 10.0
Benzo (a) anthracene	ND< 10.0
Benzo (a) pyrene	ND< 10.0
Benzo (b) fluoranthene	ND< 10.0
Benzo (g,h,i) perylene	ND< 10.0
Benzo (k) fluoranthene	ND< 10.0
Chrysene	ND< 10.0
Dibenz (a,h) anthracene	ND< 10.0
Fluoranthene	ND< 10.0
Fluorene	ND< 10.0
Indeno (1,2,3-cd) pyrene	ND< 10.0
Naphthalene	ND< 10.0
Phenanthrene	ND< 10.0
Pyrene	ND< 10.0

ELAP Number 10958 Method: EPA 8270C Data File: S33726.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site: 28-30 Oakman St
Client Job Number: 3925S-07
Field Location: MW1 - 3/07
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 07-0879
Lab Sample Number: 3539

Date Sampled: 03/15/2007
Date Received: 03/15/2007
Date Analyzed: 03/20/2007

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon Tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 2.00
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Trichlorofluoromethane	ND< 2.00
Vinyl chloride	ND< 2.00

Aromatics	Results in ug / L
Benzene	ND< 0.700
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Styrene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in ug / L
Acetone	ND< 10.0
2-Butanone	ND< 5.00
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10958 Method: EPA 8260B Data File: V43167.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)

Client: Day Environmental

Client Job Site: 28-30 Oakman St
Client Job Number: 3925S-07
Field Location: MW1 - 3/07
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 07-0879
Lab Sample Number: 3539

Date Sampled: 03/15/2007
Date Received: 03/15/2007
Date Analyzed: 03/20/2007

Aromatics	Results in ug / L	Aromatics	Results in ug / L
n-Butylbenzene	ND< 2.00	1,2,4-Trimethylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00	1,3,5-Trimethylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00		
n-Propylbenzene	ND< 2.00	**Miscellaneous**	
Isopropylbenzene	ND< 2.00	Methyl tert-butyl Ether	ND< 2.00
p-Isopropyltoluene	ND< 2.00		
Naphthalene	ND< 5.00		

ELAP Number 10958 Method: EPA 8260B Data File: V43167.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site: 28-30 Oakman St
Client Job Number: 3925S-07
Field Location: MW2 - 3/07
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 07-0879
Lab Sample Number: 3540

Date Sampled: 03/15/2007
Date Received: 03/15/2007
Date Analyzed: 03/20/2007

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon Tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 2.00
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Trichlorofluoromethane	ND< 2.00
Vinyl chloride	ND< 2.00

Aromatics	Results in ug / L
Benzene	ND< 0.700
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Styrene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in ug / L
Acetone	ND< 10.0
2-Butanone	ND< 5.00
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10958 Method: EPA 8260B Data File: V43168.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)

Client: Day Environmental

Client Job Site: 28-30 Oakman St
Client Job Number: 3925S-07
Field Location: MW2 - 3/07
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 07-0879
Lab Sample Number: 3540

Date Sampled: 03/15/2007
Date Received: 03/15/2007
Date Analyzed: 03/20/2007

Aromatics	Results in ug / L	Aromatics	Results in ug / L
n-Butylbenzene	ND< 2.00	1,2,4-Trimethylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00	1,3,5-Trimethylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00		
n-Propylbenzene	ND< 2.00	**Miscellaneous**	
Isopropylbenzene	ND< 2.00	Methyl tert-butyl Ether	ND< 2.00
p-Isopropyltoluene	ND< 2.00		
Naphthalene	ND< 5.00		

ELAP Number 10958 Method: EPA 8260B Data File: V43168.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site: 28-30 Oakman St
Client Job Number: 3925S-07
Field Location: MW3 - 3/07
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 07-0879
Lab Sample Number: 3541

Date Sampled: 03/15/2007
Date Received: 03/15/2007
Date Analyzed: 03/20/2007

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon Tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 2.00
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Trichlorofluoromethane	ND< 2.00
Vinyl chloride	ND< 2.00

Aromatics	Results in ug / L
Benzene	ND< 0.700
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	2.98
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Styrene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in ug / L
Acetone	ND< 10.0
2-Butanone	ND< 5.00
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10958 Method: EPA 8260B Data File: V43169.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)

Client: Day Environmental

Client Job Site: 28-30 Oakman St
Client Job Number: 3925S-07
Field Location: MW3 - 3/07
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 07-0879
Lab Sample Number: 3541

Date Sampled: 03/15/2007
Date Received: 03/15/2007
Date Analyzed: 03/20/2007

Aromatics	Results in ug / L	Aromatics	Results in ug / L
n-Butylbenzene	ND< 2.00	1,2,4-Trimethylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00	1,3,5-Trimethylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00		
n-Propylbenzene	ND< 2.00	**Miscellaneous**	
Isopropylbenzene	ND< 2.00	Methyl tert-butyl Ether	ND< 2.00
p-Isopropyltoluene	ND< 2.00		
Naphthalene	ND< 5.00		

ELAP Number 10958 Method: EPA 8260B Data File: V43169.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site: 28-30 Oakman St
Client Job Number: 3925S-07
Field Location: MW4 - 3/07
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 07-0879
Lab Sample Number: 3542

Date Sampled: 03/15/2007
Date Received: 03/15/2007
Date Analyzed: 03/20/2007

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon Tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 2.00
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Trichlorofluoromethane	ND< 2.00
Vinyl chloride	ND< 2.00

Aromatics	Results in ug / L
Benzene	ND< 0.700
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Styrene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in ug / L
Acetone	ND< 10.0
2-Butanone	ND< 5.00
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10958 Method: EPA 8260B Data File: V43170.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)

Client: Day Environmental

Client Job Site: 28-30 Oakman St
Client Job Number: 3925S-07
Field Location: MW4 - 3/07
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 07-0879
Lab Sample Number: 3542

Date Sampled: 03/15/2007
Date Received: 03/15/2007
Date Analyzed: 03/20/2007

Aromatics	Results in ug / L	Aromatics	Results in ug / L
n-Butylbenzene	ND< 2.00	1,2,4-Trimethylbenzene	ND< 2.00
sec-Butylbenzene	ND< 2.00	1,3,5-Trimethylbenzene	ND< 2.00
tert-Butylbenzene	ND< 2.00		
n-Propylbenzene	ND< 2.00	**Miscellaneous**	
Isopropylbenzene	ND< 2.00	Methyl tert-butyl Ether	ND< 2.00
p-Isopropyltoluene	ND< 2.00		
Naphthalene	ND< 5.00		

ELAP Number 10958 Method: EPA 8260B Data File: V43170.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

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PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:			
COMPANY: DAY Environmental		COMPANY: SGMP		LAB PROJECT #: 07-0879	CLIENT PROJECT #: 39255-03
ADDRESS: 40 Commercial St		ADDRESS:			
CITY: Rochester STATE: NY ZIP: 14614		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS)	
PHONE: 585-454-0210 FAX:		PHONE: FAX:			STD OTI
PROJECT NAME/SITE NAME: I-390 Chemung	ATTN: D. Bragg	ATTN:		☐ 1 ☐ 2 ☐ 3 ☒ 5 ☐	
	COMMENTS: e-mail copy of results			QUOTE #:	

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TCL/STARS	VOCs by 8260	STARS SVOCs by 8270	RCRA metals					REMARKS	PARADIGM LAB SAMPLE NUMBER
1	3/15/07	1125		X	MW1-3/07	GW		X		X	X					preserve MT	3534
2	↓	1100		X	MW2-3/07	↓	2	X									3535
3		1025		X	MW3-3/07		2	X									3536
4	↓	945		X	MW4-3/07	↓	4	X		X	X					preserve MT	3537
5																	
6																	
7																	
8																	
9																	
10																	

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type: Comments:	Y ☒	N ☐
Preservation: Comments: HNO3 added to metals in lab	Y ☐	N ☒
Holding Time: Comments:	Y ☒	N ☐
Temperature: Comments: 6°C iced	Y ☒	N ☐

Sampled By — 3/15/07 12:40 — Date/Time

Relinquished By — 3/15/07 12:40 — Date/Time

Received By — 3/15/07 12:40 — Date/Time

Received @ Lab By — Elizabeth A. Honch — 3/15/07 1550 — Date/Time

Total Cost:

P.I.F.