

**UNDERGROUND STORAGE TANK CLOSURE AND  
LIMITED SUBSURFACE STUDY REPORT  
62-64 SCIO STREET  
ROCHESTER, NEW YORK**

Prepared For: City of Rochester  
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Rochester, New York

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Date: December 18, 2006

DAY Project No.: 3869S-06

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## **1.0 INTRODUCTION**

The subject property consists of an approximate 0.25-acre vacant parcel addressed as 62-64 Scio Street, Rochester, New York (Site). The location of the Site is shown on the Project Locus Map that is included as Figure 1. This report summarizes the closure of an underground storage tank (UST) and a subsequent limited subsurface study.

### **1.1 Background**

In 2002, a building was demolished on the Site and an UST was removed from the northeastern side of the Site. A City of Rochester representative confirmed that a different UST was located on the southeast portion of the Site. In addition, the City of Rochester representative indicated that one or more historical Sanborn maps showed the presence of two gasoline USTs on the adjoining property located north of the Site (refer to Figure 2).

The City of Rochester retained Day Environmental, Inc. (DAY) to manage and document the permanent closure of the UST and subsequently complete a limited subsurface study). The following sections summarize the work completed to remove the UST at the Site related to New York State Department of Environmental Conservation (NYSDEC) Spill No. 0650898.

### **1.2 Purpose and Scope of Work**

The purpose of this UST closure and limited subsurface study was to document removal of the existing UST and conduct a limited subsurface study and sampling/analytical laboratory testing in order to develop an opinion regarding potential environmental impacts at the Site. A summary of the work completed by DAY to achieve the stated purpose is presented below.

- Observed and documented the permanent closure of one 2,000-gallon UST.
- Observed and/or documented the removal, staging, and off-site disposal of some contaminated soil from the UST excavation.
- Observed the advancement of 14 test borings, and prepared stratigraphic descriptions of the subsurface materials encountered in the test borings.
- Screened the ambient air space above samples of soil/fill collected from the test borings with a photoionization detector (PID).
- Submitted selected soil/fill samples to a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified analytical laboratory for testing.
- Evaluated the data collected, and prepared this report of findings.

## **2.0 UST CLOSURE**

On August 31, 2006, Arrow Contracting, Inc. (Arrow) commenced permanent closure of one 2,000-gallon UST at the Site. A City of Rochester Fire Inspector was on-site during the closure work. Pertinent information regarding the UST closure is included in a UST Closure Report, which is included in Appendix A.

Initially, Arrow exposed the top of the tank, monitored the air quality inside the tank with an lower explosive limit (LEL) meter, cut open the top of the tank, and then removed approximately 415 gallons of apparent water and one ton of concrete. During closure, the UST was determined to be constructed of bare steel, and it was observed to be in poor physical condition (i.e., observed pitting, corrosion, and pinholes). During the UST removal, petroleum-impacted soil was observed below and adjacent to the UST (i.e., typically extending downward from the UST to depths between about 5 feet to 11 feet below the ground surface). Upon observation of impacted materials, a City of Rochester representative notified the NYSDEC, and the NYSDEC generated Spill File #0650898 for the Site.

[Note: The City of Rochester registered the UST with the NYSDEC Petroleum Bulk Storage program (PBS Registration #8-601238).]

Subsequent to removing the UST, approximately 30.27 tons of petroleum-impacted soil was removed from the tank excavation and placed on and covered with plastic polyethylene sheeting. This work was done to address grossly-contaminated soils observed within the tank excavation that could readily be removed during the tank closure work. Additional petroleum-impacted soil beyond the limits of the excavation was left in-place, and the UST excavation was subsequently backfilled with “clean” materials previously excavated from the tank pit and clean replacement bank run fill that was brought on-site by Arrow.

On October 18, 2006, Arrow loaded the petroleum-impacted soil onto a truck provided by Winged Pheasant Golf Links (NYSDEC Part 364 Permit #8A-837). This soil was transported to the Waste Management Mill Seat Landfill in Bergen, New York for disposal.

## **2.2 Analytical Laboratory Testing**

On August 31, 2006, one sample [designated as Sample 3869-TK1/F(11’)] of petroleum-contaminated soil was collected from a depth of approximately 11 feet along the east sidewall of the UST excavation prior to backfilling (refer to Figure 2). A peak PID reading of 3,062 parts per million (ppm) was measured on the ambient headspace air above a portion of the sample from this location. A soil sample from this location was delivered under chain-of-custody control to Paradigm Environmental Services, Inc. (Paradigm), which is a NYSDOH ELAP-certified analytical laboratory. Paradigm analyzed Sample 3869-TK1/F(11’) for NYSDEC Spill Technology and Remediation Series (STARS)-list volatile organic compounds (VOCs) and naphthalene using United States Environmental Protection Agency (USEPA) Method 8260.

### 3.0 SUBSURFACE EVALUATION

This section describes the fieldwork and analytical laboratory testing completed as part of the limited subsurface study to evaluate subsurface conditions at the Site, including the areas around the two former UST locations (i.e., the 2,000-gallon gasoline UST removed as part of this study, and the fuel oil UST removed by the City of Rochester in 2002 as shown on Figure 2).

DAY retained TREC Environmental, Inc. (TREC) to advance fourteen test borings (designated as TB-1 through TB-14) on the Site using direct-push drilling equipment. These test borings were advanced on October 26, 2006, and their locations are shown on Figure 2. Soil samples were collected in four-foot intervals or less throughout the entire length of each test boring using new disposable acetate liners. These test borings were advanced to depths between approximately 9.0 feet and 14.0 feet below the existing ground surface where equipment refusal (potentially indicative of the top of bedrock) was encountered.

The recovered soil samples were visually examined by a DAY representative for evidence of suspect contamination (e.g., 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 PID equipped with a 10.6 eV lamp. The test borings were subsequently backfilled with cuttings upon completion. A DAY representative recorded pertinent information for test borings on logs, copies of which are included in Appendix B.

#### 3.1 Analytical Laboratory Testing

Subsurface soil samples were selected for analytical laboratory testing based sample observations and relative location on the Site. A total of seven subsurface soil samples from six different test boring locations were selected for analytical laboratory testing. The samples were delivered under chain-of-custody control to Paradigm, which analyzed these samples for the following parameters:

- Sample 3869S-01/TB-9(8-9') for USEPA target compound list (TCL) and NYSDEC STARS-list VOCs and naphthalene using USEPA Method 8260; and NYSDEC STARS-list semi-volatile organic compounds (SVOCs) using USEPA Method 8270;
- Sample 3869S-02/TB-11(10-11') for USEPA TCL and NYSDEC STARS-list VOCs and naphthalene using USEPA Method 8260; and NYSDEC STARS-list semi-volatile organic compounds (SVOCs) using USEPA Method 8270;
- Sample 3869S-03/TB-1(8-10') for USEPA TCL and NYSDEC STARS-list VOCs and naphthalene using USEPA Method 8260;
- Sample 3869S-04/TB-3(8-11') for USEPA TCL and NYSDEC STARS-list VOCs and naphthalene using USEPA Method 8260;
- Sample 3869S-05/TB-7(11-12') for USEPA TCL and NYSDEC STARS-list VOCs and naphthalene using USEPA Method 8260;
- Sample 3869S-06/TB-7(1-2') for Resource Conservation and Recovery Act (RCRA) Metals using USEPA Methods 6010 and 7471; and,
- Sample 3869S-07/TB-11(0-4') for RCRA Metals using USEPA Methods 6010 and 7471.

[Note: Samples 3869S-01/TB-9(8-9'), 3869S-02/TB-11(10-11'), 3869S-03/TB-1(8-10'), 3869S-04/TB-3(8-11'), and 3869S-05/TB-7(11-12') consisted of soil exhibiting field evidence of petroleum impact (i.e., elevated PID readings, odors, staining). Samples 3869S-06/TB-7(1-2') and 3869S-07/TB-11(0-4') consisted of fill material.]

## 4.0 DISCUSSION

This section presents the findings of the work completed during the UST closure and the limited subsurface study.

### 4.1 UST Closure

The 2,000-gallon UST was permanently closed in accordance with applicable regulations. The City registered the UST with the NYSDEC (PBS #8-601238). The UST was in poor condition, and field evidence of historic petroleum leakage was observed on soils within the tank excavation. As a result, the City of Rochester notified the NYSDEC, and the NYSDEC generated Spill File #0650898. Subsequent to removing the UST, approximately 30.27 tons of grossly contaminated soil was removed from the tank excavation, temporarily staged on-site, loaded and transported off-site, and disposed at the Mill Seat Landfill in Bergen, New York in accordance with applicable regulations.

After removing the grossly contaminated soil, soil Sample 3869-TK1/F(11') was collected from the bottom of the east excavation wall prior to backfilling the excavation. The sample was analyzed by Paradigm for USEPA for TCL and STARS-list VOCs. The test results are summarized on Table 1, and a copy of Paradigm's laboratory report is included in Appendix C. Table 1 also includes a comparison of the detected VOCs to the following standards, criteria and guidance (SCG) values:

- Recommended soil cleanup objectives (RSCOs) as referenced in the NYSDEC document titled "Division of Technical and Administrative Guidance Memorandum: *Determination of Soil Cleanup Objectives and Cleanup Levels*" (TAGM 4046) dated January 24, 1994, as amended by the NYSDEC's supplemental Tables dated August 22, 2001.
- Brownfield Cleanup Program soil cleanup objectives (BCP SCOs) for unrestricted use as referenced in the NYSDEC document titled "6 NYCRR Part 375 Environmental Remedial Programs"; December 14, 2006.

[Note: Although the TAGM 4046 RSCOs and typical background concentrations (metals only) are the currently applicable SCGs, the BCP SCOs may replace the use of RSCOs and/or typical background ranges (metals only) for evaluating the concentrations of constituents in samples of soil. The NYSDEC Spills Unit is currently applying only TAGM 4046 RSCOs and typical background ranges (metals only) for comparison of test results for soil samples from petroleum spill sites. As such, the test data is compared to TAGM 4046 RSCOs and typical background ranges (metals only) in the text of this report, and the BCP SCOs are provided for informational purposes only and in the event they replace TAGM 4046 SCGs in the future.]

As shown on Table 1, ten VOCs and naphthalene were detected in Sample 3869-TK1/F(11') at concentrations ranging between 2,250 ug/kg or parts per billion (ppb) for p-isopropyltoluene and 231,000 ppb for m,p-xylene. The concentrations of nine of the VOCs and also naphthalene exceeded their respective RSCOs. The constituents detected are generally associated with petroleum products.

## 4.2 Subsurface Conditions

Pertinent information documented for each test boring is presented on test boring logs included in Appendix B. A summary of the subsurface conditions encountered in the test borings advanced during this study is presented below:

- Fill consisting primarily of sand, silt and gravel intermixed with lesser amounts of ash, cinders, brick, asphalt, concrete and wood was encountered in each test boring from near the ground surface to depths ranging between about 2.0 feet and 8.0 feet below the ground surface. Test boring TB-7 also contained an apparent layer of gray ash from a depth of about 1.0 to 1.5 feet below the ground surface.
- Indigenous soils generally consisting of sandy silts, clayey silts, and silty sands were encountered beneath the fill materials in each of the test borings advanced during this study.
- Wet soil samples, possibly indicative of the groundwater table, were observed in test borings TB-6 (starting at a depth of about 12'), TB-7 (starting at a depth of about 9'), TB-8 (starting at a depth of about 6'), and TB-10 (starting at a depth of about 8').
- As shown on Figure 2 and on the test boring logs included in Appendix B, peak PID readings in the test borings advanced during this study ranged from 0.0 ppm (i.e., TB-4, TB-5, TB-6) to 1,848 ppm (i.e., TB-2). Nine of the fourteen test borings had PID readings exceeding 1,000 ppm. Petroleum-type odors and/or staining were noted on soils from most of the test borings. In general, petroleum-impacted soils are present on the eastern half of the Site.

The test results for soil samples are included on Tables 1 through 3. Table 1 summarizes the detected VOCs and naphthalene, Table 2 summarizes the detected SVOCs, and Table 3 summarizes the metals results. Paradigm's analytical laboratory report and executed chain-of-custody documentation for the soil samples tested during this study are included in Appendix C. Tables 1 through 3 also include a comparison of the analytical laboratory test results for soil samples to the following SCG values:

- RSCOs as referenced in the NYSDEC TAGM 4046.
- Typical background ranges (metals only) as referenced in TAGM 4046.
- BCP SCOs for unrestricted use as referenced in the NYSDEC document titled "6 NYCRR Part 375 Environmental Remedial Programs"; December 14, 2006.

As noted in Section 4.1, the BCP SCOs are provided on the tables for reference only, and a comparison of the test results to BCP SCOs is not included in the text of this report.

The test results and comparison to applicable SCGs are summarized below.

- As shown on Table 1, between three and ten VOCs were detected at concentrations ranging between 19.2 ppb and 51,700 ppb in each of the five soil samples from the test borings that were analyzed. In addition, naphthalene was detected in four of the soil samples from test borings at concentrations ranging between 186 ppb and 16,200 ppb. With the exception of acetone (generally used as a solvent) in two of the samples, the constituents detected in these samples are generally associated with petroleum products. The concentration of one or more VOC detected in each of the five soil samples exceeded their respective NYSDEC TAGM 4046 RSCOs. The concentration of naphthalene (i.e., 16,200 ppb) detected in Sample 3869S-02/TB-11(10-11') exceeded its respective NYSDEC TAGM 4046 RSCO of 13,000 ppb



- As shown on Table 2, 13 SVOCs were detected in Sample 3869S-01/TB-9(8-9'), and one SVOC (i.e., naphthalene) was detected in Sample 3869S-02/TB-11(10-11') at concentrations ranging between 516 ppb (i.e., acenaphthene) and 3,980 ppb (i.e., fluoranthene). The concentration of benzo(a)anthracene (i.e., 1,300 ppb), benzo(a)pyrene (i.e., 1,080 ppb) and chrysene (i.e., 1,400 ppb) detected in Sample 3869S-01/TB-9(8-9') exceeded their NYSDEC TAGM 4046 RSCOs of 224 ppb, 61 ppb and 400 ppb, respectively. The concentration of naphthalene (i.e., 4,590 ppb) detected in Sample 3869S-01/TB-9(8-9') did not exceed its NYSDEC TAGM 4046 RSCO of 13,000 ppb.
- As shown in Table 3, the metals arsenic, barium, chromium, lead, mercury, and silver were detected in each of the two soil/fill samples that were tested. Only the concentrations of mercury detected in these two samples (i.e., 0.6348 ppm and 0.4255 ppm) exceeded the RSCO of 0.1 ppm and the upper limit of background range of 0.2 ppm for mercury referenced in NYSDEC TAGM 4046.

## **5.0 CONCLUSIONS AND RECOMMENDATIONS**

One 2,000-gallon UST was removed from the Site in accordance with applicable regulations. Subsequent to its removal, field evidence of historical releases from the UST was noted, and the NYSDEC generated Spill File #0650898. Approximately 30.27 tons of grossly contaminated soil was removed from the excavation and subsequently disposed at the Mill Seat Landfill. A sample of petroleum-impacted soil left in-place at the base of the eastern wall of the excavation contained petroleum-related VOCs at concentrations exceeded NYSDEC TAGM 4046 RSCOs.

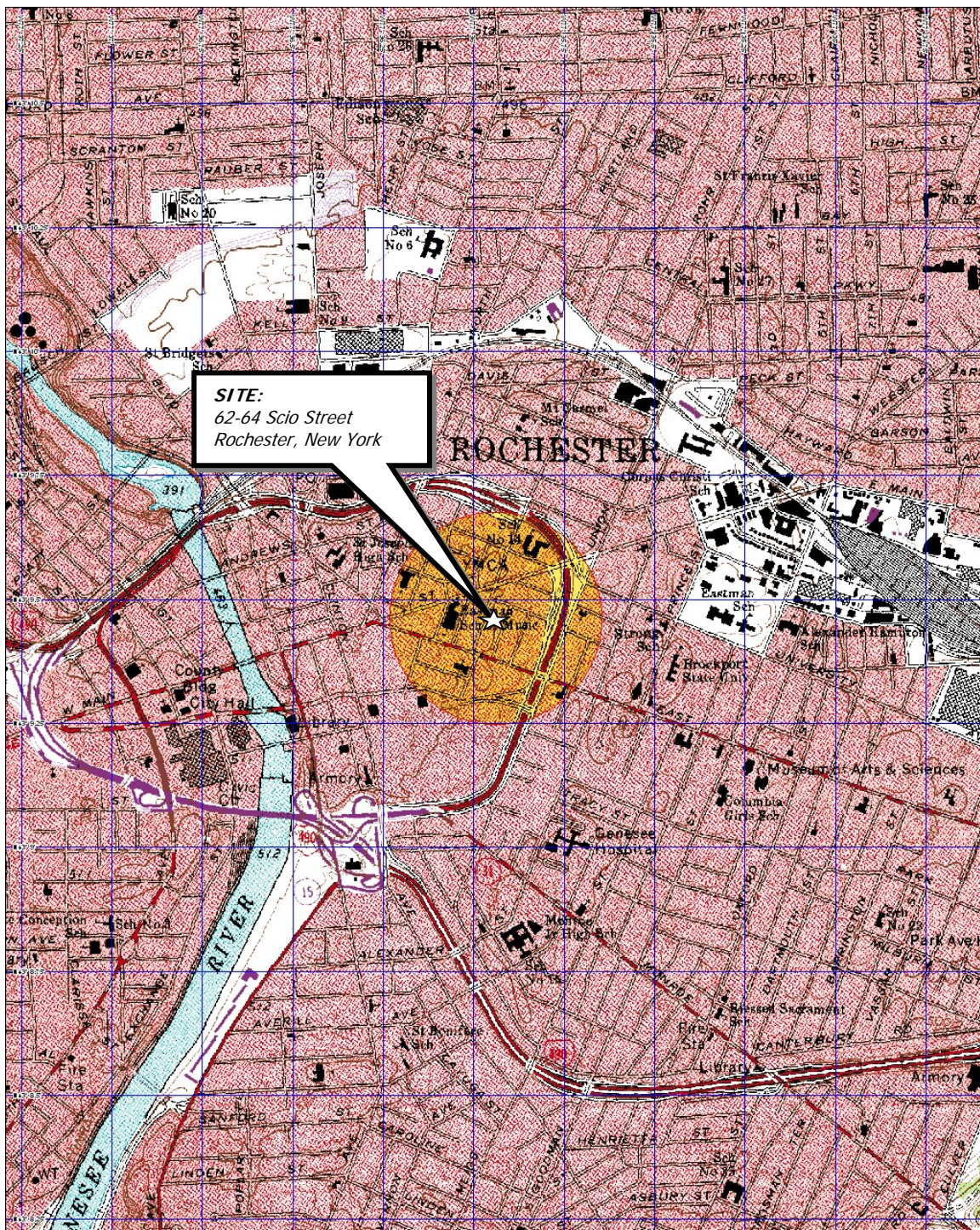
Fourteen test borings were advanced through overburden fill and soil at the Site to evaluate subsurface conditions. Field evidence of petroleum impact was documented at eleven of these test borings. Soil samples with field evidence of petroleum impact that were analyzed were found to contain VOCs and SVOCs at concentrations exceeding RSCOs as referenced in NYSDEC TAGM 4046. The petroleum impact appears attributable to one or more of the former USTs on the Site, and possibly also the two off-site USTs north of the Site as shown on historical Sanborn maps (refer to Figure 2).

A near-surface layer of fill material (i.e., varying between 2 feet to 8.0 feet thick) was also encountered in the fourteen test boring locations. The fill material generally consisted of reworked soil intermixed with lesser amounts of ash, cinders, brick, asphalt, concrete and wood. Two samples of the fill material contained mercury at concentrations above it RSCO and upper limit of typical background range as referenced in NYSDEC TAGM 4046.

It is recommended that the findings of this report be provided to the NYSDEC.

## **FIGURES**





3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 550 ft Scale: 1:19,200 Detail: 14:0 Datum: WGS84

Drawing Produced From: 3-D TopoQuads, DeLorme Map Co., referencing USGS quad maps Rochester East (NY) 1995. Site Lat/Long: N43° 9.46' – W77° 35.94'

DATE  
**12/18/2006**

DRAWN BY  
**RJM**

SCALE  
**1" = 2000'**



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

PROJECT TITLE  
**62-64 SCIO STREET  
ROCHESTER, NEW YORK**

**TANK CLOSURE AND LIMITED  
SUBSURFACE STUDY**

DRAWING TITLE  
**PROJECT LOCUS MAP**

PROJECT NO.  
**3869S-06**

**FIGURE 1**



Ref1:  
Ref2:  
Ref3:

Pen Setting File: 800psFullcolor.ctb

Xerox432AnsiB-2; 11 x 17  
Layout Name: Layout 1

Issue Printed: Fri Dec 08 08:15 2006  
File Name: Rcity\3869S\Site Plan.dwg



SCIO STREET

MATHEWS STREET

LEGEND

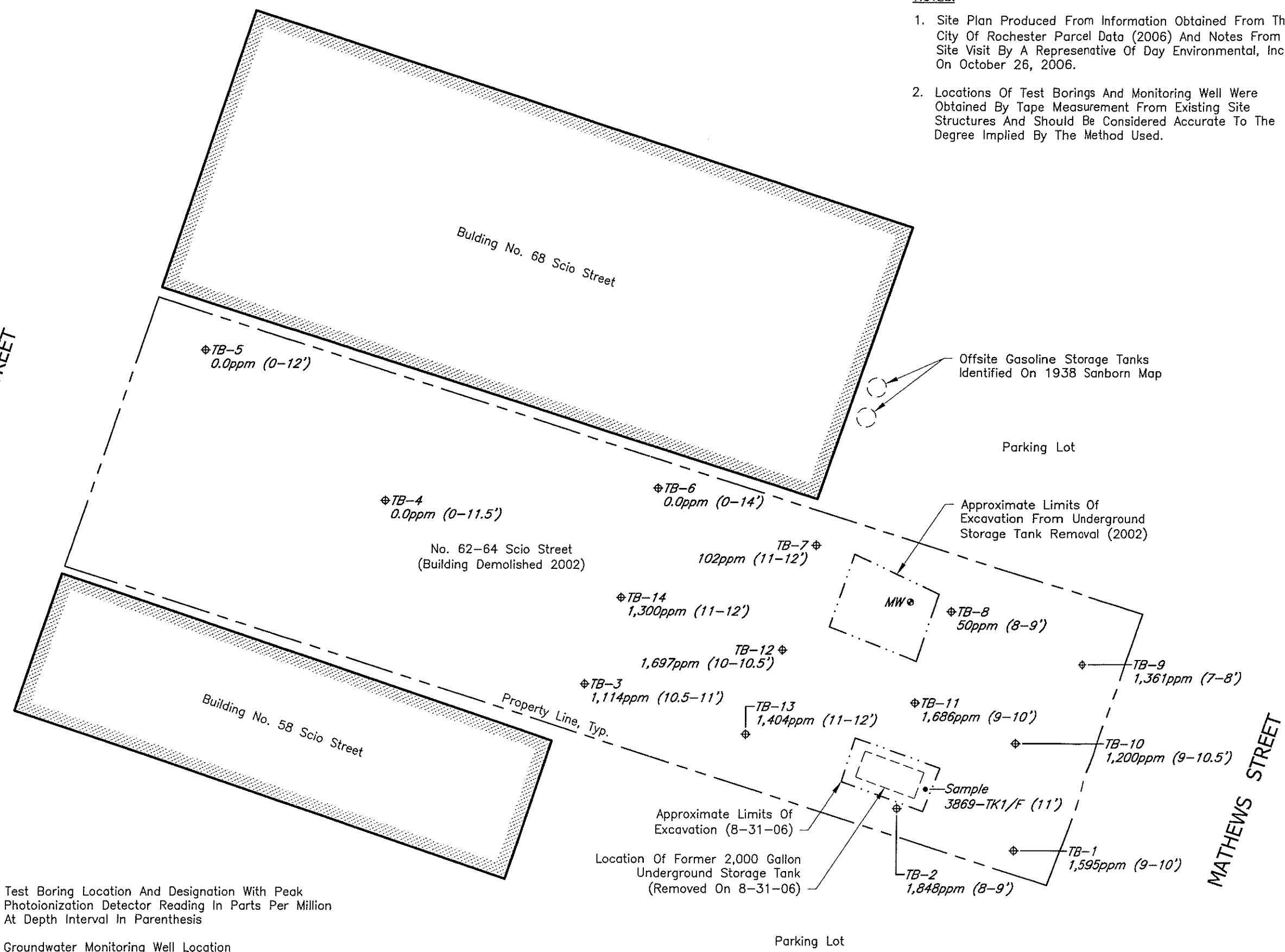
- ◆ TB-8  
50ppm (8-9') Test Boring Location And Designation With Peak Photoionization Detector Reading In Parts Per Million At Depth Interval In Parenthesis
- MW Groundwater Monitoring Well Location

SITE PLAN  
1" = 20'



NOTES:

1. Site Plan Produced From Information Obtained From The City Of Rochester Parcel Data (2006) And Notes From A Site Visit By A Representative Of Day Environmental, Inc., On October 26, 2006.
2. Locations Of Test Borings And Monitoring Well Were Obtained By Tape Measurement From Existing Site Structures And Should Be Considered Accurate To The Degree Implied By The Method Used.



FIELD VERIFIED	JAD	DATE	10-2006
	DRAWN BY	DATE DRAWN	10-30-2006
SCALE	RJM/Tw	DATE ISSUED	12-08-2006
	As Noted		
day DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14614-1008 NEW YORK, NEW YORK 10165-1617			
PROJECT TITLE 62-64 SCIO STREET ROCHESTER, NEW YORK			
DRAWING TITLE TANK CLOSURE AND LIMITED SUBSURFACE STUDY			
PROJECT NO. 3869S-06			
FIGURE 2			
Site P Lan With Test Locations			

## TABLES

TABLE 1

62-64 SCIO STREET  
ROCHESTER, NEW YORK

SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS (VOCs)  
AND NAPHTHALENE  
IN UG/KG or PARTS PER BILLION (PPB)

## SOIL SAMPLES

DETECTED VOCs	SAMPLE AND LOCATION						TAGM 4046 RSCO <sup>(1)</sup> (PPB)	BCP SCO <sup>(2)</sup> (PPB)
	3869-TK1 TK1/F(11')	3869S-01 TB-9(8-9')	3869S-02 TB-11(10-11')	3869S-03 TB-1(8-10')	3869S-04 TB-3(8-11')	3869S-05 TB-7(11-12')		
Acetone	ND	ND	ND	ND	290	625	60 or MDL	50
sec-Butylbenzene	2,570	647	1,080	ND	ND	ND	25	11,000
Ethylbenzene	57,700	4,910	8,500	551	22.6	ND	5,500	1,000
n-Propylbenzene	22,100	6,440	7,580	735	91.1	ND	3,700	3,900
Isopropylbenzene	7,500	2,120	2,390	217	19.2	ND	2,300	NA
p-Isopropyltoluene	2,250	634	1,250	ND	ND	ND	NA	NA
Toluene	80,700	ND	730	ND	ND	ND	1,500	700
1,2,4-Trimethylbenzene	132,000	40,200 <sup>(E)</sup>	51,700 <sup>(E)</sup>	6,480	720	240	10,000	3,600
1,3,5-Trimethylbenzene	41,000	11,100	14,600	1,830	176	65.7	3,500	8,400
m,p-Xylene	231,000	11,400	33,500	3,090	106	ND	1,200	260
o-Xylene	65,300	ND	8,630	284	ND	ND	1,200	260
Naphthalene	35,500	5,920	16,200	2,740	186	ND	13,000	12,000

(1) = Recommended soil cleanup objective (RSCO) as referenced in NYSDEC TAGM 4046 dated January 24, 1994 as amended by the NYSDEC's supplemental Tables dated August 22, 2001.

(2) = Brownfield Cleanup Program soil cleanup objective (BCP SCO) for Track 2 (unrestricted use) as referenced in 6 NYCRR Part 375 Environmental Remedial Programs dated December 14, 2006.

ND = Not Detected at concentration above reported analytical laboratory detection limit. Refer to analytical laboratory report for the detection limits utilized.

E = Estimated value due to calibration limit being exceeded.

NA = Not Applicable.

57,700 = Exceeds RSCO

TABLE 2

**62-64 SCIO STREET  
ROCHESTER, NEW YORK**

**SUMMARY OF DETECTED SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCS)  
IN UG/KG or PARTS PER BILLION (PPB)**

**SOIL SAMPLES**

DETECTED SVOCS	SAMPLE AND LOCATION		NYSDEC TAGM 4046 RSCO <sup>(1)</sup> (PPB)	BCP SCO <sup>(2)</sup> (PPB)
	3869S-01 TB-9(8-9')	3869S-02 TB-11(10-11')		
Acenaphthene	516	ND	50,000	20,000
Anthracene	556	ND	50,000	100,000
Benzo(a)anthracene	1,300	ND	224 or MDL	1,000
Benzo(a)pyrene	1,080	ND	61 or MDL	1,000
Benzo(b)fluoranthene	1,000	ND	1,100	1,000
Benzo(g,h,i)perylene	777	ND	50,000	100,000
Benzo(k)fluoranthene	726	ND	1,100	800
Chrysene	1,400	ND	400	1,000
Fluoranthene	3,980	ND	50,000	100,000
Indeno(1,2,3-cd)pyrene	765	ND	3,200	500
Naphthalene	775	4,590	13,000	12,000
Phenanthrene	2,550	ND	50,000	100,000
Pyrene	2,690	ND	50,000	100,000

(1) = Recommended soil cleanup objective (RSCO) as referenced in NYSDEC TAGM 4046 dated January 24, 1994 as amended by the NYSDEC's supplemental Tables dated August 22, 2001.

(2) = Brownfield Cleanup Program soil cleanup objective (BCP SCO) for Track 2 (unrestricted use) as referenced in 6 NYCRR Part 375 Environmental Remedial Programs dated December 14, 2006.

ND = Not Detected at concentration above reported analytical laboratory detection limit. Refer to : report for the detection limits utilized.

**765** = Exceeds RSCO



**TABLE 3**

**62-64 SCIO STREET  
ROCHESTER, NEW YORK**

**RCRA METALS TEST RESULTS  
IN MG/KG or PARTS PER MILLION (PPM)**

**SOIL SAMPLES**

RCRA METALS	SAMPLE AND LOCATION		NYSDEC TAGM 4046 RSCO <sup>(1)</sup>	NYSDEC TAGM 4046 Typical Background Range <sup>(2)</sup>	BCP SCO <sup>(5)</sup>
	TB-7 (1-2')	TB-11 (0-4')			
Arsenic	5.01	6.24	7.5 or SB	3-12	13
Barium	58.5	83.1	300 or SB	15-600	350
Cadmium	ND	ND	1 or SB (10) <sup>(3)</sup>	0.1-1	2.5
Chromium	7.86	8.92	10 or SB (50) <sup>(4)</sup>	1.5-40	30
Lead	179	217	SB	200-500**	63
Mercury	<b>0.6348</b>	<b>0.4255</b>	0.1	0.001-0.2	0.18
Selenium	ND	ND	2 or SB	0.1-3.9	3.9
Silver	1.28	1.32	SB	NA	2

SB = Site background.

1) = Recommended soil cleanup objective (RSCO) as referenced in NYSDEC TAGM 4046 dated January 24, 1994.

- Cadmium results also compared to RSCO of 10 ppm listed in the 1995 "proposed" TAGM 4046.
- Chromium results also compared to RSCO of 50 ppm listed in the 1995 "proposed" TAGM 4046.

2) = Typical background range as referenced in NYSDEC TAGM 4046 dated January 24, 1994.

3) = 1995 TAGM 4046 "proposed" RSCO for cadmium of 10 ppm.

4) = 1995 TAGM 4046 "proposed" RSCO for chromium of 50 ppm.

(5) = Brownfield Cleanup Program soil cleanup objective (BCP SCO) for Track 2 (unrestricted use) as referenced in 6 NYCRR Part 375 Environmental Remedial Programs dated December 14, 2006.

ND = Not Detected at concentration above reported analytical laboratory detection limit. Refer to analytical laboratory report for the detection limits utilized.

NA = Not Available

\*\* = Background range for metropolitan or suburban areas or near highways referenced in NYSDEC TAGM 4046.

**0.6348** = Exceeds TAGM 4046 Typical Background Range

## **APPENDIX A**

### **UST Closure Report**

# UNDERGROUND STORAGE TANK CLOSURE REPORT

Day Environmental Personnel on-site:	M. Dickinson
Project #:	3869S-06
Date of Removal:	August 31, 2006
Weather/Temperature:	Sunny, 64° F

## 1. PROPERTY LOCATION

Name of Facility:	Not Applicable
Street:	62-64 Scio Street
Town & State:	Rochester, New York

## 2. REMOVAL CONTRACTOR

Contractor Name:	Arrow Contracting, Inc.
Worker Names:	Jared Bumpus; Andrew; Bruce
Backhoe Operator:	Kubota-Angle Blade KX121-3

## 3. CLIENT NAME AND PHONE #:

City of Rochester
(585) 428-6884

## 4. NYSDEC NOTIFIED OF REMOVAL?

Yes
-----

## 5. UNDERGROUND UTILITY STAKEOUT FILE#:

Not Available
---------------

## 6. TANK/PIPING DESCRIPTION:

Tank Dimensions:	12' long x 64" diameter
Take Pictures of each side of each tank	
Tank Size:	~ 2,000 gallons
Vol. of product left in tank:	No product; contained ~415 gallons; apparent water and one ton of concrete
Tank Age:	Unknown
Tank composition:	Bare Steel

**6. TANK/PIPING DESCRIPTON: (cont.)**

External protection:	None
Holes in tank/piping:	Yes
Tank integrity/condition:	Poor
Pitting/corrosion/scale:	Yes
Condition of flanges	Fair
Condition of Piping (e.g., fillport, ventpipe distribution lines, etc.):	Not Applicable
Secondary Containment:	None
Leak Detection:	None

**7. DETERMINATION OF CONTAMINATION:**

Evidence that tank had leaked?	Yes
Depth to bedrock:	11.5'
Depth to groundwater:	Not Encountered
Sheen on groundwater?	Not Applicable
Soil lithology (e.g., clay):	Sandy Silt
Stained/discolored soils?	Yes
Depth of discolored soils:	About 5 feet
Petroleum odors from soils?	Yes
Peak PID readings on ambient headspace air above selected soil samples (ppm):	3,062 ppm
Background PID readings:	0.0 ppm on ambient air
Combustible Gas Indicator readings:	Yes

**7. DETERMINATION OF CONTAMINATION:  
(Cont.)**

Drager tube concentrations (TPH, benzene, and toluene):	<u>None</u>
Discolored soils stockpiled:	<u>Yes</u>
Weight of soils stockpiled:	<u>30.27</u>
Groundwater well installed:	<u>No</u>

**Take a picture of each sidewall**

**8. LAB ANALYSIS:**

Samples collected?	<u>Yes</u>
Sample location(s):	<u>East wall of tank excavation at depth of 11'</u>
Lab analysis	<u>TCL and STARS VOCs via EPA Method 8260</u>
Lab results:	<u>Attached in Phase II ESA Report</u>

**9. TANK CLEANING/WASTE GENERATION:**

Sludge in tank (gal.)	<u>No</u>
Tank cleaning method:	<u>Pump liquid, remove concrete</u>
Vapors displacement method:	<u>Dry ice</u>
Vol. of washwaters generated:	<u>None</u>
Storage/staging of washwaters:	<u>None</u>
Washwater & sludge disposal:	<u>Industrial Oil Tank Service, Oriskany, NY</u>
Tank cut up on-site:	<u>Yes</u>
Tank destination:	<u>Metalico Rochester, Inc. Rochester, NY</u>
Contractor hauling tank:	<u>Arrow Contracting, Inc.</u>

**10. PHOTOGRAPHS:**

Photos of tank:

See attached

Photos of pit:

See attached

Photo showing tank location:

See attached

**11. SPILL REPORT FILED?**

Yes

Agency:

NYSDEC

Spill Report No.:

0650898

Contact:

Carl Hettenbaugh

Actions required:

Subsurface study

**12. FATE OF EXCAVATION:**

Filled/capped (e.g., gravel)

Backfilled

Dimensions of Excavation

About 9' x 18'

Peak PID Readings on East Wall and Depth

3,062 ppm at 11'

Peak PID Readings on West Wall and Depth

21.8 ppm at 6.6'

Peak PID Readings on South Wall and Depth

6.7 ppm at 6.7'

Peak PID Readings on North Wall and Depth

818 ppm at 5.0'

Security Fencing present overnight

Not Applicable

**13. NEAREST BUILDING/UTILITY:**

48-50 Scio St and 68-72 Scio Street

**14. WASTE CHARACTERIZATION OF SOIL:**

Non-Hazardous

**15. SOIL DISPOSAL:**

30.27 tons transported off-site by Winged  
Pheasant Golf Links (NYSDEC Part 364  
Permit #8A-837) and disposed at Mill Seat  
Landfill, Bergen, New York

## PHOTOLOG

### Closure of 2,000-Gallon Underground Storage Tank 62-64 Scio Street Rochester, New York



Uncovering top of underground storage tank (UST)



Liquid and solid contents inside UST prior to removal



UST cut open to remove solid concrete contents



Concrete contents removed from UST staged on plastic sheeting



UST removed from excavation





Excavation subsequent to removal of UST



Side of UST



Close-up of exterior of UST showing corrosion, pitting and pin holes



Removal of contaminated soil from UST tank pit excavation





Staging of removed contaminated soil on plastic sheeting



Excavation after stopping removal of contaminated soils



View of Site after excavation backfilled and staged concrete and contaminated soil covered



View of Site after excavation backfilled



View of Site after staged soils and concrete removed

SCALE RECEIVER

**METALICO ROCHESTER, INC.**

083106

1515 SCOTTSVILLE RD.

ROCHESTER, NY 14623

Account: BS0102

BACKSCALE - CONTRACTOR

Recv Date: 8/31/2006

Receiver #: 238538

Commodity	Description	Gross	Tare	Net	Price / UM	Amount
FE 17	Unprepared #2 Steel	13,270	11,450	1,820	75.00 / NT	68.25
			<b>Totals</b>	1,820		68.25

62-64 Scio St UST

"Notwithstanding any other warranty or limitation of warranty herein, Seller warrants that to the best of his knowledge, based upon reasonable inquiry, the metal scrap to be delivered under this contract of sale does not contain any "hazardous substance", as that term is defined in 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act, 42, U.S.C., §901(14), except those "hazardous substances" which are integral constituents of the metallic fraction of the scrap metal or which are contained in the electrolytic fluid in the spent lead acid battery. Seller will indemnify and hold Buyer harmless from any and all claims, demands and liabilities, including reasonable attorney's fees, resulting in whole or in part from a breach of the foregoing warrant."

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**VENDOR DECLARES THAT THE SCRAP  
BEING SOLD TO METALICO  
ROCHESTER, INC. HAS BEEN  
OBTAINED LEGALLY**

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

N. Y. A. . . . .

Manifest  
Document No.

6-2-3-4-

2. Page 1  
of 1

SITE:

City of Rochester  
62-64 Sals Street  
Rochester, NY 14614

3. Generator's Name and Mailing Address

City of Rochester  
Division of Environmental Svcs.  
30 Church St., Room 3006  
Rochester, NY 14614

4. Generator's Phone

(800) 241-1576

5. Transporter 1 Company Name

Paragon Environmental Construction

6.

US EPA ID Number

N Y R 0 0 0 1 1 2 8 9

A. Transporter's Phone

315-699-0840

7. Transporter 2 Company Name

8.

US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Industrial Oil Tank Service  
120 Dry Road  
Oriskany, NY 13424

10.

US EPA ID Number

N Y R 0 0 0 0 0 9 2 9 8

C. Facility's Phone

315-736-6088

11. Waste Shipping Name and Description

a.

Non-RCRA, Non DOT Regulated Material  
(Water contaminated with Gasoline)

12. Containers  
No. Type

0 0 1 T 1

13. Total  
Quantity

EST.  
4.15

14. Unit  
Wt/Vol

G

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

New York State Waste Code: A016

E. Handling Codes for Wastes Listed Above

R

15. Special Handling Instructions and Additional Information

Emergency Contact: CHS 866-734-2552

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year



**MAIN OFFICE**  
**1150 PENFIELD RD.**  
**ROCHESTER, NY 14625**  
**585-381-7010**

**GATES PLANT**  
**BUFFALO ROAD**  
**585-235-9292**

**MANCHESTER PLANT**  
**LOVERS LANE**  
**315-462-2752**

**WALWORTH PLANT**  
**TIFFANY ROAD**  
**315-524-2771**

**PENFIELD PLANT**  
**WHALEN ROAD**  
**585-586-2567**

**AVON PLANT**  
**OAK OPENING ROAD**  
**585-226-6350**

**LERROY PLANT**  
**GULF ROAD**  
**585-768-7295**

**MENDON PLANT**  
**ROUTE 64**  
**585-624-2430**

**OGDEN PLANT**  
**UNION STREET (RT**  
**585-352-0460**

# SCALE TICKET

NT:	DATE:	TIME:	TICKET NO.:
GATES	10-15-06	12:12	01291065
TOMER NO.	CUSTOMER JOB NO.		
912620	01 MISC TAXABLE		
TOMER NAME	JOB LOCATION REFERENCE		P.O. NUMBER
ARROW CONTRACTING INC			
555A ROUTE 56			
FARMINGTON NY 14425	5010 STREET		
DUCT:	COMMENTS:		
01291065 INCOMING ASPH/CONC RUB MIX LD			

SS WT. LBS.	10,400 LB	Load Today: 1	STONE	
E WT. LBS.	5,400 LB	Qty Del Today: 1.70	SALES TAX	
WT. LBS.	2,000 LB	DELIVERY ZONE/PRICE	DELIVERY	
WT. TONS	1.00 TH	Net to: 1.71 TH	TOTAL →	

RIER/TRUCK	F.O.B.	WEIGHED BY
ARROW CONT INC 95 CHEVY	Plant	Fred 260286

X

DRIVER ASSUMES RESPONSIBILITY FOR KNOWING THE PROPER LOADING AND GROSS VEHICLE WEIGHT CAPACITY OF THE VEHICLE BEING LOA

CUSTOMER COPY

Concrete from UST



Will Seat Landfill  
302 Drew Rd.  
Bergen, NY 14416  
PH: (585) 434-0000

Original  
Ticket# 47466

Customer Name WILSONS TRACTY 005049 RICHMOND HILL  
Ticket Date 10/10/2006  
Account Type Credit Account  
Manual Ticket#  
Billing Ticket#  
Route  
State Waste Code  
Manifest  
Destination  
City  
Profile 005049 RICHMOND HILL 62/64 SCID ST ROCHESTER NY 14604  
Generator 150 RICHMOND HILL RICHMOND CITY OF

Time Date Site Waste Weight Unit Operator Vehicle  
To 10/10/2006 10:00:00 AM 0000000000 10  
Unit 10/10/2006 10:00:00 AM 0000000000 10  
Comment

Weight Unit Net Weight Gross Weight  
1 1000000000 1000000000 1000000000 1000000000

Total Tax  
Total Ticket

Driver's Signature





Mill Seat Landfill  
503 Brew Rd.  
Bergen, NY 14616  
PH: (585) 454-3200

Original  
Ticket# 417400

Customer Name RICHESIDE CITY-955049 ROCHESTER CARRIER CITY OF ROCHESTER

Ticket Date 10/18/2006

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest#

Destination

PO

Facility

Generator

100 RICHESIDE CITY RICHESIDE CITY OF

Time

To 10/18/2006 14:50:00

From 10/18/2006 15:15:00

Scale

Scale#

Operator

JANE

Rate

15.86

Amount

15.86

Net

15.86

Tax

0.00

Total Tax

0.00

Total Ticket

15.86

Driver's Signature

Volume

Vehicle# 1140

Container

Driver PHIL

Check#

Bill of Lading # 00006826

Ben # 10

Grid 17119

62/54 SD10 ST ROCHESTER NY 14604

Gross 60980

Tare 30260

Net 30720

Tons 15.86

## **APPENDIX B**

### **Test Boring Logs**



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 3869S-06  
Project Address: 62-64 Scio Street  
Rochester, New York  
DAY Representative: M. Dickinson  
Drilling Contractor: TREC Environmental  
Sampling Method: Direct-Push

**TEST BORING TB-1**

Page 1 of 1

Ground Elevation: NA Datum: NA  
Date Started: 10/26/2006 Date Ended: 10/26/2006  
Borehole Depth: 10.0' Borehole Diameter: 2.25"  
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☒ Backfilled with Cuttings  
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Dark brown, TOPSOIL, Concrete, Organics, moist	
2	NA	S-1	0-4	60	NA	0.0	0.0	Dark brown, Sandy Silt, some angular Gravel, moist (FILL)	
3								Brown, Sandy Silt, moist, some Gravel (FILL)	
4							0.0	Brown, Sandy SILT and GRAVEL, moist	
5									
6	NA	S-2	4-8	50	NA	0.0	0.0		
7							0.0		
8								Dark Brown, Gray, Black, Sandy SILT, some Gravel	
9	NA	S-3	8-10	50	NA	1095	913 1595		Petroleum-type odor
10								Refusal @ 10.0'	
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) Stratification lines represent approximate boundaries. Transitions may be gradual.  
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.  
4) NA = Not Available or Not Applicable  
5) Headspace PID readings may be influenced by moisture

**TEST BORING TB-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



DAY ENVIRONMENTAL, INC.

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 3869S-06  
Project Address: 62-64 Scio Street  
Rochester, New York  
DAY Representative: M. Dickinson  
Drilling Contractor: TREC Environmental  
Sampling Method: Direct Push

**TEST BORING TB-2**

Page 1 of 1

Ground Elevation: NA Datum: NA  
Date Started: 10/26/2006 Date Ended: 10/26/2006  
Borehole Depth: 11.5' Borehole Diameter: 2.25"  
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☒ Backfilled with Cuttings  
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Dark Brown, Sandy Silt, moist (TOPSOIL)	
								Light Brown, Sandy Silt, some angular Gravel, moist (FILL)	
2	NA	S-1	0-4	75	NA	0.0	0.0	Light Brown, Tan, Red streaks, Rock, Wood, Ash, Brick, Sandy Silt (FILL)	
3							0.0		
4							0.0	Light Brown, Reddish, Sandy SILT, trace Gravel, moist (FILL)	
5							0.0		
6	NA	S-2	4-8	75	NA	0.0	0.0	... Layer of white, gray, angular broken Gravel between 5' and 6' (FILL)	
7							0.0	Brown, Sandy SILT, some angular Gravel, moist	
8						352	182	... Dark Brown	
9							1848	... Very moist	Petroleum-type odors, gray and black staining
10	NA	S-3	8-11.5	65	NA				
11						1137	1754	Brown, Reddish Sandy SILT, Some pieces of Bedrock, moist	
12							225		
13								Refusal @ 11.5'	
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) Stratification lines represent approximate boundaries. Transitions may be gradual.  
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.  
4) NA = Not Available or Not Applicable  
5) Headspace PID readings may be influenced by moisture

**TEST BORING TB-2**

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Project Address: 62-64 Scio Street  
Rochester, New York  
DAY Representative: M. Dickinson  
Drilling Contractor: TREC Environmental  
Sampling Method: Direct Push

**TEST BORING TB-3**

Page 1 of 1

Ground Elevation: NA Datum: NA  
Date Started: 10/26/2006 Date Ended: 10/26/2006  
Borehole Depth: 11.0' Borehole Diameter: 2.25"  
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☒ Backfilled with Cuttings  
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	80	NA	0.0	0.0	Dark Brown, TOPSOIL, moist	
2						0.0	0.0	Dark Brown, Sand, Silt, Asphalt, Brick, moist (FILL)	
3							0.0	Dark Brown, Sandy Silt, Rocks, Brick, Ash, Wood, moist (FILL)	
4							0.0		
5							0.0		
6	NA	S-2	4-8	60	NA	0.0	0.0		
7							0.0	Dark Brown, Tan, Sandy Silt, some angular Gravel (FILL)	
8							0.0	Rock lens (FILL)	
9							0.0	Dark Brown, Sandy SILT, trace Gravel	
10	NA	S-3	8-11	75	NA	867	1114	GRAVEL and weathered BEDROCK, trace Sand	Petroleum-type odor, gray/black staining
11								Refusal @ 11.0'	
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) Stratification lines represent approximate boundaries. Transitions may be gradual.  
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.  
4) NA = Not Available or Not Applicable  
5) Headspace PID readings may be influenced by moisture

**TEST BORING TB-3**

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Project #: 3869S-06  
Project Address: 62-64 Scio Street  
Rochester, New York  
DAY Representative: M. Dickinson  
Drilling Contractor: TREC Environmental  
Sampling Method: Direct Push

**TEST BORING TB-4**

Page 1 of 1

Ground Elevation: NA Datum: NA  
Date Started: 10/26/2006 Date Ended: 10/26/2006  
Borehole Depth: 11.5' Borehole Diameter: 2.25"  
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☒ Backfilled with Cuttings  
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Dark Brown, TOPSOIL, moist	
2	NA	S-1	0-4	90	NA	0.0	0.0	Dark Brown, Sandy Silt, Brick, some Gravel, Ash, moist (FILL)	
3							0.0		
4								Dark Brown, tan, Sandy Silt, trace Gravel, moist (FILL)	
5							0.0		
6	NA	S-2	4-8	70	NA	0.0	0.0	Dark Brown, Sandy Silt, Gravel, moist (FILL)	
7							0.0	Rock lens (FILL)	
8								Light Brown, Tan, Sandy SILT, trace Gravel, very moist	
9							0.0		
10	NA	S-3	8-11.5	80	NA	0.0	0.0		
11							0.0	Rock	
12								Refusal @ 11.5'	
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) Stratification lines represent approximate boundaries. Transitions may be gradual.  
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.  
4) NA = Not Available or Not Applicable  
5) Headspace PID readings may be influenced by moisture

**TEST BORING TB-4**

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DAY ENVIRONMENTAL, INC.

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 3869S-06  
Project Address: 62-64 Scio Street  
Rochester, New York  
DAY Representative: M. Dickinson  
Drilling Contractor: TREC Environmental  
Sampling Method: Direct Push

**TEST BORING TB-5**

Page 1 of 1

Ground Elevation: NA Datum: NA  
Date Started: 10/26/2006 Date Ended: 10/26/2006  
Borehole Depth: 12.0' Borehole Diameter: 2.25"  
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☒ Backfilled with Cuttings  
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Dark Brown, Sandy Silt, TOPSOIL, moist	
2	NA	S-1	0-4	80	NA	0.0	0.0	Dark Brown, Tan, Sandy Silt, Ash, Brick, Wood, some Gravel, moist (FILL)	
3							0.0		
4								Dark Brown, Tan, Sandy Silt, trace Gravel and Ash, Moist (FILL)	
5							0.0		
6	NA	S-2	4-8	75	NA	0.0	0.0	Dark Brown, Tan, Sandy SILT, trace Gravel, moist	
7							0.0		
8									
9							0.0		
10	NA	S-3	8-12	65	NA	0.0	0.0	Dark Brown, Reddish, Sandy SILT, Gravel, moist	
11							0.0		
12								Weathered BEDROCK	
13								Refusal @ 12.0'	
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) Stratification lines represent approximate boundaries. Transitions may be gradual.  
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.  
4) NA = Not Available or Not Applicable  
5) Headspace PID readings may be influenced by moisture

**TEST BORING TB-5**

40 COMMERCIAL STREET

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 3869S-06  
Project Address: 62-64 Scio Street  
Rochester, New York  
DAY Representative: M. Dickinson  
Drilling Contractor: TREC Environmental  
Sampling Method: Direct Push

**TEST BORING TB-6**

Page 1 of 1

Ground Elevation: NA Datum: NA  
Date Started: 10/26/2006 Date Ended: 10/26/2006  
Borehole Depth: 14.0' Borehole Diameter: 2.25"  
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☒ Backfilled with Cuttings  
Water Level (Date): Wet soil sample at 12' (10/26/06)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Dark Brown Topsoil, moist	
2	NA	S-1	0-4	80	NA	0.0	0.0	Dark Brown, Sandy SILT, Brick, Ash, Wood, Plastic, Moist (FILL)	
3							0.0		
4								Light Brown, Gray, Reddish, angular Gravel, moist (FILL)	
5							0.0	Light Brown, Tan, Sandy Silt, some Gravel, moist (FILL)	
6	NA	S-2	4-8	75	NA	0.0	0.0	Brown, Tan, some Red, Gravel, moist (FILL)	
7							0.0	Light Brown, Fine Sandy SILT, Trace Gravel, wet	
8									
9							0.0		
10	NA	S-3	8-12	80	NA	0.0	0.0	Rock lens	
11							0.0	Brown, Fine Sandy SILT, angular Gravel, moist	
12									
13	NA	S-4	12-14	25	NA	0.0	0.0	Brown, Silty SAND, angular Gravel, moist	
14									
15								Refusal @ 14.0'	
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) Stratification lines represent approximate boundaries. Transitions may be gradual.  
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.  
4) NA = Not Available or Not Applicable  
5) Headspace PID readings may be influenced by moisture

**TEST BORING TB-6**

40 COMMERCIAL STREET

ROCHESTER, NEW YORK 14614-1008

(585) 454-0210

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DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 3869S-06  
Project Address: 62-64 Scio Street  
Rochester, New York  
DAY Representative: M. Dickinson  
Drilling Contractor: TREC Environmental  
Sampling Method: Direct Push

**TEST BORING TB-7**

Page 1 of 1

Ground Elevation: NA Datum: NA  
Date Started: 10/26/2006 Date Ended: 10/26/2006  
Borehole Depth: 13.2' Borehole Diameter: 2.25"  
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☒ Backfilled with Cuttings  
Water Level (Date): Wet soil sample at 9' (10/26/06)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	70	NA	0.0	0.0	Dark Brown, Topsoil	
2						0.0	0.0	Dark Brown, Sandy Silt, moist (FILL)	
3						0.0	0.0	Ash (FILL)	
4						0.0	0.0	Brown, Clayey Silt, some Sand, Trace Gravel, very moist (FILL)	
5						0.0	0.0		
6	NA	S-2	4-8	70	NA	0.0	0.0	Brown, Silty Sand, angular Gravel lens, moist (FILL)	
7						0.0	0.0		
8						0.0	0.0	Brown, Clayey SILT, some Sand, trace Gravel, moist	
9						0.0	0.0	Brown, SAND, some Gravel, little Silt, wet	
10	NA	S-3	8-12	70	NA	21	0.0		
11						0.0	0.0		
12						102	0.0		
13	NA	S-4	12-13.2	100	NA	48.5	28		
14						0.0	0.0	Refusal @ 13.2'	
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) Stratification lines represent approximate boundaries. Transitions may be gradual.  
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.  
4) NA = Not Available or Not Applicable  
5) Headspace PID readings may be influenced by moisture

**TEST BORING TB-7**

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Project #: 3869S-06  
Project Address: 62-64 Scio Street  
Rochester, New York  
DAY Representative: M. Dickinson  
Drilling Contractor: TREC Environmental  
Sampling Method: Direct Push

**TEST BORING TB-8**

Page 1 of 1

Ground Elevation: NA Datum: NA  
Date Started: 10/26/2006 Date Ended: 10/26/2006  
Borehole Depth: 9.0' Borehole Diameter: 2.25"  
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☒ Backfilled with Cuttings  
Water Level (Date): Wet soil sample at 6' (10/26/06)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Dark Brown, Sandy Silt, TOPSOIL, moist	
2	NA	S-1	0-4	50	NA	0.0	0.0	Dark Brown, Sandy Silt, angular Gravel, Brick, Wood, moist (FILL)	
3							0.0		
4									
5							0.0	Dark Brown, Sandy SILT, angular Gravel, moist	
6	NA	S-2	4-8	50	NA	0.0	0.0	Dark Brown, fine Sandy, SILT, some Gravel, wet	
7							0.0	Brown, fine Sandy SILT, moist	
8									
9	NA	S-3	8-9	100	NA	28	50	Weathered BEDROCK	
10								Refusal @ 9.0'	
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) Stratification lines represent approximate boundaries. Transitions may be gradual.  
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.  
4) NA = Not Available or Not Applicable  
5) Headspace PID readings may be influenced by moisture

**TEST BORING TB-8**

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 3869S-06  
Project Address: 62-64 Scio Street  
Rochester, New York  
DAY Representative: M. Dickinson  
Drilling Contractor: TREC Environmental  
Sampling Method: Direct Push

**TEST BORING TB-9**

Page 1 of 1

Ground Elevation: NA Datum: NA  
Date Started: 10/26/2006 Date Ended: 10/26/2006  
Borehole Depth: 9.0' Borehole Diameter: 2.25"  
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☒ Backfilled with Cuttings  
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Dark Brown, TOPSOIL, moist	
2	NA	S-1	0-4	40	NA	0.0	0.0	Dark Brown, Sandy Silt, Brick, Wood, moist (FILL)	
3							0.0		
4								Gray, Rock, little fine Sand, trace Silt, Wood, moist (FILL)	
5							0.0		
6	NA	S-2	4-8	30	NA		16.0		
7						1361		Black, Gray, fine Sandy SILT	Petroleum-type odor
8	NA	S-3	8-9	10	NA	NA	923	Weathered BEDROCK	
9								Refusal @ 9.0'	
10									
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) Stratification lines represent approximate boundaries. Transitions may be gradual.  
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.  
4) NA = Not Available or Not Applicable  
5) Headspace PID readings may be influenced by moisture

**TEST BORING TB-9**

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 3869S-06  
Project Address: 62-64 Scio Street  
Rochester, New York  
DAY Representative: M. Dickinson  
Drilling Contractor: TREC Environmental  
Sampling Method: Direct Push

**TEST BORING TB-10**

Page 1 of 1

Ground Elevation: NA Datum: NA  
Date Started: 10/26/2006 Date Ended: 10/26/2006  
Borehole Depth: 10.5' Borehole Diameter: 2.25"  
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☒ Backfilled with Cuttings  
Water Level (Date): Wet soil sample at 8' (10/26/06)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Dark Brown, TOPSOIL, moist	
2	NA	S-1	0-4	40	NA	0.0	0.0	Dark Brown, fine Sandy Silt, Gravel, Ash, Wood, Brick, moist (FILL)	
3							0.0		
4									
5							0.0	Red, Light Brown Dolomite, Wood, moist (FILL)	
6	NA	S-2	4-8	40	NA	364	0.0		
7							20	Tan, Light Brown, fine Sandy SILT	
8								...wet	
9	NA	S-3	8-10.5	80	NA	1200	14	...some Gravel	Petroleum-type odor, gray staining
10							740	...moist	
							25		
11								Refusal @ 10.5'	
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) Stratification lines represent approximate boundaries. Transitions may be gradual.  
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.  
4) NA = Not Available or Not Applicable  
5) Headspace PID readings may be influenced by moisture

**TEST BORING TB-10**

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 3869S-06  
Project Address: 62-64 Scio Street  
Rochester, New York  
DAY Representative: M. Dickinson  
Drilling Contractor: TREC Environmental  
Sampling Method: Direct Push

**TEST BORING TB-11**

Page 1 of 1

Ground Elevation: NA Datum: NA  
Date Started: 10/26/2006 Date Ended: 10/26/2006  
Borehole Depth: 11.4' Borehole Diameter: 2.25"  
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☒ Backfilled with Cuttings  
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Dark Brown, Silt, some Sand, trace Brick, Concrete, Ash, Gravel, moist (FILL)	
2	NA	S-1	0-4	65	NA	0.0	0.0		
3							0.0		
4								...Red, Brown	
5							0.0		
6	NA	S-2	4-8	65	NA	47.9	0.0	Red, Brown, fine Sandy SILT, trace Gravel, moist	
7							15		
8							25		
9							410		Petroleum-type odor
10	NA	S-3	8-11.4	60	NA	1199	1414	Brown, Gray, Black, SAND, some Gravel, little Silt, very moist	
11							1686		
12							1341		
13								Refusal @ 11.4'	
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) Stratification lines represent approximate boundaries. Transitions may be gradual.  
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.  
4) NA = Not Available or Not Applicable  
5) Headspace PID readings may be influenced by moisture

**TEST BORING TB-11**

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Project #: 3869S-06  
Project Address: 62-64 Scio Street  
Rochester, New York  
DAY Representative: M. Dickinson  
Drilling Contractor: TREC Environmental  
Sampling Method: Direct Push

**TEST BORING TB-12**

Page 1 of 1

Ground Elevation: NA Datum: NA  
Date Started: 10/26/2006 Date Ended: 10/26/2006  
Borehole Depth: 10.5' Borehole Diameter: 2.25"  
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☒ Backfilled with Cuttings  
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Dark Brown, Sandy Silt, some Gravel, trace Ash and Cinders, moist (FILL)	
2	NA	S-1	0-4	60	NA	0.0	0.0	Brown, Sandy, SILT, little Clay, trace Gravel, moist	
3							0.0		
4							0.0		
5							0.0		
6	NA	S-2	4-8	60	NA	33.7	0.0	Brown, Silty Fine SAND, little Gravel, Clay, moist	
7							0.0		
8							27.2	Brown, Silty CLAY nodule	Petroleum-type odor, black staining
9							4	Gray, Brown, Silty Fine to Medium SAND, little Gravel, very moist	
10							210		
							261		
11							1280		
							1697		
12								Refusal @ 10.5'	
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) Stratification lines represent approximate boundaries. Transitions may be gradual.  
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.  
4) NA = Not Available or Not Applicable  
5) Headspace PID readings may be influenced by moisture

**TEST BORING TB-12**

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 3869S-06  
Project Address: 62-64 Scio Street  
Rochester, New York  
DAY Representative: M. Dickinson  
Drilling Contractor: TREC Environmental  
Sampling Method: Direct Push

**TEST BORING TB-13**

Page 1 of 1

Ground Elevation: NA Datum: NA  
Date Started: 10/26/2006 Date Ended: 10/26/2006  
Borehole Depth: 12' Borehole Diameter: 2.25"  
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☒ Backfilled with Cuttings  
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Dark Brown Silt, moist (TOPSOIL)	
2	NA	S-1	0-4	75	NA	NA	0.0	Brown Silt and Sand, some Gravel, little Concrete, moist (FILL)	
3							0.0	Brown Clayey SILT, Little Sand, Trace Gravel, moist	
4									
5							0.0	Brown fine Sandy SILT, little Clay, Trace Gravel, moist	
6	NA	S-2	4-8	75	NA	0.0	0.0		
7							0.0		
8									
9							0.0		
10	NA	S-3	8-12	100	NA	1181	768	...Some Clay, moist	Petroleum-type odor, Black and Gray Staining
11							1404		
12								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) Stratification lines represent approximate boundaries. Transitions may be gradual.  
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.  
4) NA = Not Available or Not Applicable  
5) Headspace PID readings may be influenced by moisture

**TEST BORING TB-13**

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 3869S-06  
Project Address: 62-64 Scio Street  
Rochester, New York  
DAY Representative: M. Dickinson  
Drilling Contractor: TREC Environmental  
Sampling Method: Direct Push

**TEST BORING TB-14**

Page 1 of 1

Ground Elevation: NA Datum: NA  
Date Started: 10/26/2006 Date Ended: 10/26/2006  
Borehole Depth: 12' Borehole Diameter: 2.25"  
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ☒ Backfilled with Cuttings  
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Dark Brown Silt, moist (TOPSOIL)	
2	NA	S-1	0-4	60	NA	0.0	0.0	Dark Brown Sandy Silt, Brick, Wood Ash (FILL)	- Septic-type odor
3							0.0		
4								Dark Brown fine Sandy SILT, angular Gravel (FILL)	
5							0.0	Brown Clayey SILT, little Sand, trace Gravel, moist	
6	NA	S-2	4-8	65	NA	0.0	0.0	Brown Sandy SILT, little to some Gravel, trace Clay, moist	
7							0.0		
8							0.0	Brown Silty SAND, some Gravel, trace Clay, very moist	
9							0.0		
10	NA	S-3	8-12	65	NA		8.0		
11						1172	1181		- Petroleum-type odor, Gray Staining
12							1300		
13								Refusal @ 12'	
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) Stratification lines represent approximate boundaries. Transitions may be gradual.  
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.  
4) NA = Not Available or Not Applicable  
5) Headspace PID readings may be influenced by moisture

**TEST BORING TB-14**

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## **APPENDIX C**

### **Analytical Laboratory Reports & Chain-of-Custody Documentation**

## Analytical Report Cover Page

For Lab Project # 06-2635

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".

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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 3 pages.

**Volatile STARS Analysis Report for Soils/Solids/Sludges**

Client: **Day Environmental, Inc.**

Client Job Site: 62-64 Scio Street  
Rochester, New York  
Client Job Number: 3869S-06  
Field Location: 3869-TK1 / F (11')  
Field ID Number: N/A  
Sample Type: Soil

Lab Project Number: 06-2635  
Lab Sample Number: 8790  
Date Sampled: 08/31/2006  
Date Received: 09/01/2006  
Date Analyzed: 09/06/2006

Aromatics	Results in ug / Kg
Benzene	ND< 1,670
n-Butylbenzene	ND< 1,670
sec-Butylbenzene	2,570
tert-Butylbenzene	ND< 1,670
Ethylbenzene	57,700
n-Propylbenzene	22,100
Isopropylbenzene	7,500
p-Isopropyltoluene	2,250
Naphthalene	35,500
Toluene	80,700
1,2,4-Trimethylbenzene	132,000
1,3,5-Trimethylbenzene	41,000
m,p-Xylene	231,000
o-Xylene	65,300
<b>Miscellaneous</b>	
Methyl tert-butyl Ether	ND< 1,670

ELAP Number 10958

Method: EPA 8260B

Data File: V38922.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

PROJECT NAME/SITE NAME:  
**62-64 Scio Street  
Rochester, New York**

## REPORT TO:

COMPANY: **Day Environmental, Inc.**  
ADDRESS: **4D Commercial Street**  
CITY: **Rochester** STATE: **NY** ZIP: **14614**  
PHONE: **(585) 454-0240** FAX: **(585) 454-0825**  
ATTN: **Jeff Danzinger**

## INVOICE TO:

COMPANY: **SHANE**  
ADDRESS: **06-2635**  
CITY: **06-2635** STATE: **06-2635** ZIP: **06-2635**  
PHONE: **06-2635** FAX: **06-2635**  
ATTN: **06-2635**

## REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINERS	REMARKS	PARADIGM LAB SAMPLE NUMBER
18/31/06			X	306A-TK1 / F(11')	Soil	3		8790
2								
3								
4								
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: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Preservation: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Holding Time: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Temperature: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

Sampled By: **Matt Dickinson (DPT)** Date/Time: **8/31/06 @ 1100**  
Relinquished By: **Elizabeth A. Honch** Date/Time: **9/1/06 @ 1350**  
Received By: **Donna M. Dick (City)** Date/Time: **9/1/06 @ 1350**  
Received By: **RE: B. Danzinger** Date/Time: **9/1/06 1405**  
Received @ Lab By: **Elizabeth A. Honch** Date/Time: **9/1/06 1405**

Total Cost:

P.I.F.



## Analytical Report Cover Page

For Lab Project # 06-3290

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".

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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 16 pages.

## Volatile Analysis Report for Soils/Solids/Sludges

Client: **Day Environmental**

**Client Job Site:** RoCity  
 62-64 Scio St.  
**Client Job Number:** 3869S-06  
**Field Location:** TB-9 (8-9')  
**Field ID Number:** 3869S-01  
**Sample Type:** Soil

**Lab Project Number:** 06-3290  
**Lab Sample Number:** 10979  
**Date Sampled:** 10/26/2006  
**Date Received:** 10/27/2006  
**Date Analyzed:** 11/03/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 264
Bromomethane	ND< 264
Bromoform	ND< 264
Carbon Tetrachloride	ND< 264
Chloroethane	ND< 264
Chloromethane	ND< 264
2-Chloroethyl vinyl Ether	ND< 264
Chloroform	ND< 264
Dibromochloromethane	ND< 264
1,1-Dichloroethane	ND< 264
1,2-Dichloroethane	ND< 264
1,1-Dichloroethene	ND< 264
cis-1,2-Dichloroethene	ND< 264
trans-1,2-Dichloroethene	ND< 264
1,2-Dichloropropane	ND< 264
cis-1,3-Dichloropropene	ND< 264
trans-1,3-Dichloropropene	ND< 264
Methylene chloride	ND< 660
1,1,2,2-Tetrachloroethane	ND< 264
Tetrachloroethene	ND< 264
1,1,1-Trichloroethane	ND< 264
1,1,2-Trichloroethane	ND< 264
Trichloroethene	ND< 264
Trichlorofluoromethane	ND< 264
Vinyl chloride	ND< 264

Aromatics	Results in ug / Kg
Benzene	ND< 264
Chlorobenzene	ND< 264
Ethylbenzene	4,910
Toluene	ND< 264
m,p-Xylene	11,400
o-Xylene	ND< 264
Styrene	ND< 264
1,2-Dichlorobenzene	ND< 264
1,3-Dichlorobenzene	ND< 264
1,4-Dichlorobenzene	ND< 264

Ketones	Results in ug / Kg
Acetone	ND< 1,320
2-Butanone	ND< 660
2-Hexanone	ND< 660
4-Methyl-2-pentanone	ND< 660

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 660
Vinyl acetate	ND< 660

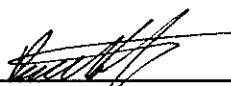
ELAP Number 10958

Method: EPA 8260B

Data File: V40551A.D

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

Signature:

  
 Bruce Hoogesteger: Technical Director


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

 Client: Day Environmental

Client Job Site: RoCity  
 62-64 Scio St.  
 Client Job Number: 3869S-06  
 Field Location: TB-9 (8-9')  
 Field ID Number: 3869S-01  
 Sample Type: Soil

Lab Project Number: 06-3290  
 Lab Sample Number: 10979  
 Date Sampled: 10/26/2006  
 Date Received: 10/27/2006  
 Date Analyzed: 11/03/2006

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 264	1,2,4-Trimethylbenzene	E 40,200
sec-Butylbenzene	647	1,3,5-Trimethylbenzene	11,100
tert-Butylbenzene	ND< 264		
n-Propylbenzene	6,440	<b>Miscellaneous</b>	
Isopropylbenzene	2,120	Methyl tert-butyl Ether	ND< 264
p-Isopropyltoluene	634		
Naphthalene	5,920		

ELAP Number 10958

Method: EPA 8260B

Data File: V40551A.D

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

Signature:

  
 Bruce Hoogesteger, Technical Director

### Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site: RoCity  
 62-64 Scio St.  
 Client Job Number: 3869S-06  
 Field Location: TB-11 (10-11')  
 Field ID Number: 3869S-02  
 Sample Type: Soil

Lab Project Number: 06-3290  
 Lab Sample Number: 10980  
 Date Sampled: 10/26/2006  
 Date Received: 10/27/2006  
 Date Analyzed: 11/03/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 328
Bromomethane	ND< 328
Bromoform	ND< 328
Carbon Tetrachloride	ND< 328
Chloroethane	ND< 328
Chloromethane	ND< 328
2-Chloroethyl vinyl Ether	ND< 328
Chloroform	ND< 328
Dibromochloromethane	ND< 328
1,1-Dichloroethane	ND< 328
1,2-Dichloroethane	ND< 328
1,1-Dichloroethene	ND< 328
cis-1,2-Dichloroethene	ND< 328
trans-1,2-Dichloroethene	ND< 328
1,2-Dichloropropane	ND< 328
cis-1,3-Dichloropropene	ND< 328
trans-1,3-Dichloropropene	ND< 328
Methylene chloride	ND< 821
1,1,2,2-Tetrachloroethane	ND< 328
Tetrachloroethene	ND< 328
1,1,1-Trichloroethane	ND< 328
1,1,2-Trichloroethane	ND< 328
Trichloroethene	ND< 328
Trichlorofluoromethane	ND< 328
Vinyl chloride	ND< 328

Aromatics	Results in ug / Kg
Benzene	ND< 328
Chlorobenzene	ND< 328
Ethylbenzene	8,500
Toluene	730
m,p-Xylene	33,500
o-Xylene	8,630
Styrene	ND< 328
1,2-Dichlorobenzene	ND< 328
1,3-Dichlorobenzene	ND< 328
1,4-Dichlorobenzene	ND< 328

Ketones	Results in ug / Kg
Acetone	ND< 1,640
2-Butanone	ND< 821
2-Hexanone	ND< 821
4-Methyl-2-pentanone	ND< 821

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 821
Vinyl acetate	ND< 821


ELAP Number 10958

Method: EPA 8260B

Data File: V40550.D

Comments: ND denotes Non Detect  
 ug / Kg = microgram per Kilogram  
 Surrogate outliers indicate probable matrix effect

Signature:

  
 Bruce Hoogesteger: Technical Director



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

 Client: **Day Environmental**

Client Job Site: RoCity  
 62-64 Scio St.  
 Client Job Number: 3869S-06  
 Field Location: TB-11 (10-11')  
 Field ID Number: 3869S-02  
 Sample Type: Soil

Lab Project Number: 06-3290  
 Lab Sample Number: 10980  
 Date Sampled: 10/26/2006  
 Date Received: 10/27/2006  
 Date Analyzed: 11/03/2006

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 328	1,2,4-Trimethylbenzene	E 51,700
sec-Butylbenzene	1,080	1,3,5-Trimethylbenzene	14,600
tert-Butylbenzene	ND< 328		
n-Propylbenzene	7,580	<b>Miscellaneous</b>	
Isopropylbenzene	2,390	Methyl tert-butyl Ether	ND< 328
p-Isopropyltoluene	1,250		
Naphthalene	16,200		


ELAP Number 10958

Method: EPA 8260B

Data File: V40550.D

Comments: ND denotes Non Detect  
 ug / Kg = microgram per Kilogram  
 Surrogate outliers indicate probable matrix effect

Signature:

  
 Bruce Hoogesteger, Technical Director

### Volatile Analysis Report for Soils/Solids/Sludges

**Client:** Day Environmental

**Client Job Site:** RoCity  
62-64 Scio St.  
**Client Job Number:** 3869S-06  
**Field Location:** TB-1 (8-10')  
**Field ID Number:** 3869S-03  
**Sample Type:** Soil

**Lab Project Number:** 06-3290  
**Lab Sample Number:** 10981  
**Date Sampled:** 10/26/2006  
**Date Received:** 10/27/2006  
**Date Analyzed:** 11/02/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 139
Bromomethane	ND< 139
Bromoform	ND< 139
Carbon Tetrachloride	ND< 139
Chloroethane	ND< 139
Chloromethane	ND< 139
2-Chloroethyl vinyl Ether	ND< 139
Chloroform	ND< 139
Dibromochloromethane	ND< 139
1,1-Dichloroethane	ND< 139
1,2-Dichloroethane	ND< 139
1,1-Dichloroethene	ND< 139
cis-1,2-Dichloroethene	ND< 139
trans-1,2-Dichloroethene	ND< 139
1,2-Dichloropropane	ND< 139
cis-1,3-Dichloropropene	ND< 139
trans-1,3-Dichloropropene	ND< 139
Methylene chloride	ND< 348
1,1,2,2-Tetrachloroethane	ND< 139
Tetrachloroethene	ND< 139
1,1,1-Trichloroethane	ND< 139
1,1,2-Trichloroethane	ND< 139
Trichloroethene	ND< 139
Trichlorofluoromethane	ND< 139
Vinyl chloride	ND< 139

Aromatics	Results in ug / Kg
Benzene	ND< 139
Chlorobenzene	ND< 139
Ethylbenzene	551
Toluene	ND< 139
m,p-Xylene	3,090
o-Xylene	284
Styrene	ND< 139
1,2-Dichlorobenzene	ND< 139
1,3-Dichlorobenzene	ND< 139
1,4-Dichlorobenzene	ND< 139

Ketones	Results in ug / Kg
Acetone	ND< 696
2-Butanone	ND< 348
2-Hexanone	ND< 348
4-Methyl-2-pentanone	ND< 348

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 348
Vinyl acetate	ND< 348


ELAP Number 10958

Method: EPA 8260B

Data File: V40517.D

Comments: ND denotes Non Detect  
ug / Kg = microgram per Kilogram  
Surrogate outliers indicate probable matrix effect

Signature:

  
 Bruce Hoogesteger: Technical Director

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

Client: Day Environmental

Client Job Site: RoCity  
62-64 Scio St.  
Client Job Number: 3869S-06  
Field Location: TB-1 (8-10')  
Field ID Number: 3869S-03  
Sample Type: Soil

Lab Project Number: 06-3290  
Lab Sample Number: 10981  
Date Sampled: 10/26/2006  
Date Received: 10/27/2006  
Date Analyzed: 11/02/2006

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 139	1,2,4-Trimethylbenzene	6,480
sec-Butylbenzene	ND< 139	1,3,5-Trimethylbenzene	1,830
tert-Butylbenzene	ND< 139		
n-Propylbenzene	735	<b>Miscellaneous</b>	
Isopropylbenzene	217	Methyl tert-butyl Ether	ND< 139
p-Isopropyltoluene	ND< 139		
Naphthalene	2,740		

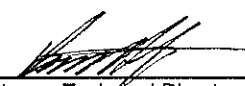
ELAP Number 10958

Method: EPA 8260B

Data File: V40517.D

Comments: ND denotes Non Detect  
ug / Kg = microgram per Kilogram  
Surrogate outliers indicate probable matrix effect

Signature:

  
Bruce Hoogesteger: Technical Director

### Volatile Analysis Report for Soils/Solids/Sludges

 Client: **Day Environmental**

Client Job Site: RoCity  
 62-64 Scio St.  
 Client Job Number: 3869S-06  
 Field Location: TB-3 (8-11')  
 Field ID Number: 3869S-04  
 Sample Type: Soil

Lab Project Number: 06-3290  
 Lab Sample Number: 10982  
 Date Sampled: 10/26/2006  
 Date Received: 10/27/2006  
 Date Analyzed: 11/02/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 13.8
Bromomethane	ND< 13.8
Bromoform	ND< 13.8
Carbon Tetrachloride	ND< 13.8
Chloroethane	ND< 13.8
Chloromethane	ND< 13.8
2-Chloroethyl vinyl Ether	ND< 13.8
Chloroform	ND< 13.8
Dibromochloromethane	ND< 13.8
1,1-Dichloroethane	ND< 13.8
1,2-Dichloroethane	ND< 13.8
1,1-Dichloroethene	ND< 13.8
cis-1,2-Dichloroethene	ND< 13.8
trans-1,2-Dichloroethene	ND< 13.8
1,2-Dichloropropane	ND< 13.8
cis-1,3-Dichloropropene	ND< 13.8
trans-1,3-Dichloropropene	ND< 13.8
Methylene chloride	ND< 34.5
1,1,2,2-Tetrachloroethane	ND< 13.8
Tetrachloroethene	ND< 13.8
1,1,1-Trichloroethane	ND< 13.8
1,1,2-Trichloroethane	ND< 13.8
Trichloroethene	ND< 13.8
Trichlorofluoromethane	ND< 13.8
Vinyl chloride	ND< 13.8

Aromatics	Results in ug / Kg
Benzene	ND< 13.8
Chlorobenzene	ND< 13.8
Ethylbenzene	22.6
Toluene	ND< 13.8
m,p-Xylene	106
o-Xylene	ND< 13.8
Styrene	ND< 13.8
1,2-Dichlorobenzene	ND< 13.8
1,3-Dichlorobenzene	ND< 13.8
1,4-Dichlorobenzene	ND< 13.8

Ketones	Results in ug / Kg
Acetone	290
2-Butanone	ND< 34.5
2-Hexanone	ND< 34.5
4-Methyl-2-pentanone	ND< 34.5

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 34.5
Vinyl acetate	ND< 34.5

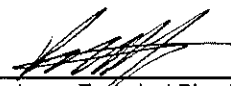
ELAP Number 10958

Method: EPA 8260B

Data File: V40518.D

Comments: ND denotes Non Detect  
 ug / Kg = microgram per Kilogram  
 Surrogate outliers indicate probable matrix effect

Signature:

  
 Bruce Hoogesteger: Technical Director

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

Client: Day Environmental

Client Job Site: RoCity  
 62-64 Scio St.  
 Client Job Number: 3869S-06  
 Field Location: TB-3 (8-11')  
 Field ID Number: 3869S-04  
 Sample Type: Soil

Lab Project Number: 06-3290  
 Lab Sample Number: 10982  
 Date Sampled: 10/26/2006  
 Date Received: 10/27/2006  
 Date Analyzed: 11/02/2006

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 13.8	1,2,4-Trimethylbenzene	720
sec-Butylbenzene	ND< 13.8	1,3,5-Trimethylbenzene	176
tert-Butylbenzene	ND< 13.8		
n-Propylbenzene	91.1	<b>Miscellaneous</b>	
Isopropylbenzene	19.2	Methyl tert-butyl Ether	ND< 13.8
p-Isopropyltoluene	ND< 13.8		
Naphthalene	186		

ELAP Number 10958

Method: EPA 8260B

Data File: V40518.D

Comments: ND denotes Non Detect  
 ug / Kg = microgram per Kilogram  
 Surrogate outliers indicate probable matrix effect

Signature:

  
 Bruce Hoogesteger: Technical Director

### Volatile Analysis Report for Soils/Solids/Sludges

 Client: Day Environmental

Client Job Site: RoCity  
 62-64 Scio St.  
 Client Job Number: 3869S-06  
 Field Location: TB-7 (11-12')  
 Field ID Number: 3869S-05  
 Sample Type: Soil

Lab Project Number: 06-3290  
 Lab Sample Number: 10983  
 Date Sampled: 10/26/2006  
 Date Received: 10/27/2006  
 Date Analyzed: 11/02/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 62.1
Bromomethane	ND< 62.1
Bromoform	ND< 62.1
Carbon Tetrachloride	ND< 62.1
Chloroethane	ND< 62.1
Chloromethane	ND< 62.1
2-Chloroethyl vinyl Ether	ND< 62.1
Chloroform	ND< 62.1
Dibromochloromethane	ND< 62.1
1,1-Dichloroethane	ND< 62.1
1,2-Dichloroethane	ND< 62.1
1,1-Dichloroethene	ND< 62.1
cis-1,2-Dichloroethene	ND< 62.1
trans-1,2-Dichloroethene	ND< 62.1
1,2-Dichloropropane	ND< 62.1
cis-1,3-Dichloropropene	ND< 62.1
trans-1,3-Dichloropropene	ND< 62.1
Methylene chloride	ND< 155
1,1,2,2-Tetrachloroethane	ND< 62.1
Tetrachloroethene	ND< 62.1
1,1,1-Trichloroethane	ND< 62.1
1,1,2-Trichloroethane	ND< 62.1
Trichloroethene	ND< 62.1
Trichlorofluoromethane	ND< 62.1
Vinyl chloride	ND< 62.1

Aromatics	Results in ug / Kg
Benzene	ND< 62.1
Chlorobenzene	ND< 62.1
Ethylbenzene	ND< 62.1
Toluene	ND< 62.1
m,p-Xylene	ND< 62.1
o-Xylene	ND< 62.1
Styrene	ND< 62.1
1,2-Dichlorobenzene	ND< 62.1
1,3-Dichlorobenzene	ND< 62.1
1,4-Dichlorobenzene	ND< 62.1

Ketones	Results in ug / Kg
Acetone	625
2-Butanone	ND< 155
2-Hexanone	ND< 155
4-Methyl-2-pentanone	ND< 155

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 155
Vinyl acetate	ND< 155


ELAP Number 10958

Method: EPA 8260B

Data File: V40519.D

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

Signature:

  
 Bruce Hoogesteger: Technical Director

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

Client: Day Environmental

Client Job Site: RoCity  
 62-64 Scio St.  
 Client Job Number: 3869S-06  
 Field Location: TB-7 (11-12')  
 Field ID Number: 3869S-05  
 Sample Type: Soil

Lab Project Number: 06-3290  
 Lab Sample Number: 10983  
 Date Sampled: 10/26/2006  
 Date Received: 10/27/2006  
 Date Analyzed: 11/02/2006

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 62.1	1,2,4-Trimethylbenzene	240
sec-Butylbenzene	ND< 62.1	1,3,5-Trimethylbenzene	65.7
tert-Butylbenzene	ND< 62.1		
n-Propylbenzene	ND< 62.1	<b>Miscellaneous</b>	
Isopropylbenzene	ND< 62.1	Methyl tert-butyl Ether	ND< 62.1
p-Isopropyltoluene	ND< 62.1		
Naphthalene	ND< 155		

ELAP Number 10958

Method: EPA 8260B

Data File: V40519.D

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

Signature: \_\_\_\_\_

Bruce Hoogesteger: Technical Director

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

Client: Day Environmental

Client Job Site: RoCity  
62-64 Scio St.  
Client Job Number: 3869S-06  
Field Location: TB-9 (8-9')  
Field ID Number: 3869S-01  
Sample Type: Soil

Lab Project Number: 06-3290  
Lab Sample Number: 10979  
Date Sampled: 10/26/2006  
Date Received: 10/27/2006  
Date Analyzed: 11/01/2006

Base / Neutrals	Results in ug / Kg
Acenaphthene	516
Acenaphthylene	ND< 346
Anthracene	556
Benzo (a) anthracene	1,300
Benzo (a) pyrene	1,080
Benzo (b) fluoranthene	1,000
Benzo (g,h,i) perylene	777
Benzo (k) fluoranthene	726
Chrysene	1,400
Dibenz (a,h) anthracene	ND< 346
Fluoranthene	3,980
Fluorene	ND< 346
Indeno (1,2,3-cd) pyrene	765
Naphthalene	775
Phenanthrene	2,550
Pyrene	2,690

ELAP Number 10958

Method: EPA 8270C

Data File: S31921.D

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

Signature: \_\_\_\_\_

Bruce Hoogesteger: Technical Director



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

Client: Day Environmental

Client Job Site: RoCity  
 62-64 Scio St.  
 Client Job Number: 3869S-06  
 Field Location: TB-11 (10-11')  
 Field ID Number: 3869S-02  
 Sample Type: Soil

Lab Project Number: 06-3290  
 Lab Sample Number: 10980  
 Date Sampled: 10/26/2006  
 Date Received: 10/27/2006  
 Date Analyzed: 11/01/2006

Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 318
Acenaphthylene	ND< 318
Anthracene	ND< 318
Benzo (a) anthracene	ND< 318
Benzo (a) pyrene	ND< 318
Benzo (b) fluoranthene	ND< 318
Benzo (g,h,i) perylene	ND< 318
Benzo (k) fluoranthene	ND< 318
Chrysene	ND< 318
Dibenz (a,h) anthracene	ND< 318
Fluoranthene	ND< 318
Fluorene	ND< 318
Indeno (1,2,3-cd) pyrene	ND< 318
Naphthalene	4,590
Phenanthrene	ND< 318
Pyrene	ND< 318

ELAP Number 10958

Method: EPA 8270C

Data File: S31922.D

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

Signature: \_\_\_\_\_

Bruce Hoogesteger: Technical Director



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

<b>Client:</b>	<u>Day Environmental</u>	<b>Lab Project No.:</b>	06-3290
<b>Client Job Site:</b>	RoCity 62-64 Scio St.	<b>Lab Sample No.:</b>	10984
<b>Client Job No.:</b>	3869S-06	<b>Sample Type:</b>	Soil
<b>Field Location:</b>	TB-7 (1-2')	<b>Date Sampled:</b>	10/26/2006
<b>Field ID No.:</b>	3869S-06	<b>Date Received:</b>	10/27/2006

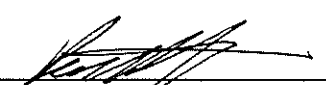
### Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	11/01/2006	EPA 6010	5.01
Barium	11/01/2006	EPA 6010	58.5
Cadmium	11/01/2006	EPA 6010	<0.562
Chromium	11/01/2006	EPA 6010	7.86
Lead	11/01/2006	EPA 6010	179
Mercury	10/31/2006	EPA 7471	0.6348
Selenium	11/01/2006	EPA 6010	<0.562
Silver	11/01/2006	EPA 6010	1.28

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:063290.XLS


**PARADIGM**

ENVIRONMENTAL SERVICES, INC.

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

<b>Client:</b>	<b><u>Day Environmental</u></b>	<b>Lab Project No.:</b>	06-3290
		<b>Lab Sample No.:</b>	10985
<b>Client Job Site:</b>	RoCity 62-64 Scio St.	<b>Sample Type:</b>	Soil
<b>Client Job No.:</b>	3869S-06		
<b>Field Location:</b>	TB-11 (0-4')	<b>Date Sampled:</b>	10/26/2006
<b>Field ID No.:</b>	3869S-07	<b>Date Received:</b>	10/27/2006

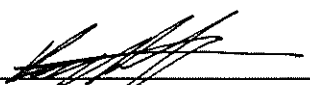
### Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	11/01/2006	EPA 6010	6.24
Barium	11/01/2006	EPA 6010	83.1
Cadmium	11/01/2006	EPA 6010	<0.536
Chromium	11/01/2006	EPA 6010	8.92
Lead	11/01/2006	EPA 6010	217
Mercury	10/31/2006	EPA 7471	0.4255
Selenium	11/01/2006	EPA 6010	<0.536
Silver	11/01/2006	EPA 6010	1.32

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:063290.XLS

# INDIVIDUAL ENVIRONMENTAL SERVICES, INC.

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

UNIFORM OF CUSTODY

REPORT TO:

INVOICE TO:

COMPANY: <b>DAVE Environmental</b>	COMPANY:	LAB PROJECT #: <b>06-3290</b>	CLIENT PROJECT #: <b>38695-06</b>
ADDRESS: <b>40 Commercial St.</b>	ADDRESS:	TURNAROUND TIME: (WORKING DAYS)	
CITY: <b>Rochester</b>	CITY:	STATE: <b>NY</b>	ZIP: <b>14614</b>
PHONE: <b>585-454-0210</b>	PHONE:	FAX: <b>585-454-0825</b>	
ATTN: <b>Please fax results to</b>	ATTN:	QUOTE #:	
COMMENTS: <b>Jeff Danzinger</b>	COMMENTS:		

PROJECT NAME/SITE NAME:

**Rochester**  
**62-645210 St.**

DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAINER NUMBERS	REMARKS	PARADIGM LAB SAMPLE NUMBER
10-26-06	14:30	X	X	38695-01/TB-9(8-9')	S	1 X 8270 STARS 6010/7471 Tolo		10979
210-26-06	15:10	X	X	38695-02/TB-11(10-11')	S	1 X 8270 STARS		10980
310-26-06	10:45	X	X	38695-03/TB-1(8-10')	S	1 X		10981
410-26-06	11:35	X	X	38695-04/TB-3(8-11')	S	1 X		10982
510-26-06	13:45	X	X	38695-05/TB-7(11-12')	S	1 X		10983
610-26-06	13:38	X	X	38695-06/TB-7(1-2')	S	1 X		10984
710-26-06	15:00	X	X	38695-07/TB-11(0-4')	S	1 X		10985
8								
9								
10								

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

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

Receipt Parameter	NELAC Compliance
Comments:	
Container Type:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Preservation:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Holding Time:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Temperature:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>

Sampled By	Date/Time
Relinquished By	Date/Time
Received By	Date/Time
Received @ Lab By	Date/Time

Total Cost:

P.I.F.