PVE Sheffler

Civil Engineering
Surveying
Land Planning
Environmental
Municipal Services

March 8, 2016

The Ader Group
25 Robert Pitt Drive Suite 215
Monsey, New York 10952

Attn: Abraham Srulowitz

Re: **Subsurface Investigation (Phase II ESA)**; 1156 East 165th Street (Block 2756 Lot 90), 1125 Whitlock Avenue (Block 2756 Lot 85), Bronx, New York.
PVE Sheffler File #560999

Dear Mr. Srulowitz:

PVE Sheffler, LLC (PVES) has completed our Phase II investigation for the above-referenced property (Figure 1), in accordance with the approved work plan. Below is a summary of field activities, analytical data and recommendations.

1.0 INTRODUCTION

PVES completed a Phase I Environmental Site Assessment for the above referenced property dated January 26, 2016. According to this report the following Recognized Environmental Conditions (RECs) were identified.

- A Sanborn Fire Insurance map from 1950 for the property at 1156 East 165th indicates two 550-gallon gasoline tanks were located on the property. These tanks do not appear on the NYSDEC database of petroleum bulk storage facilities, no other information pertaining to these tanks was identified during preparation of this Phase I ESA. Leakage of petroleum products from these tanks cannot be ruled out.

- The subject property at 1125 Whitlock Avenue was identified as Sonero Auto Repair from 1999 to 2012. Recent imagery indicates the property was also operated as Metro City Auto Repair. Sites such as these generate wastes which if handled improperly could have the potential to contaminate local soil. Other properties are listed in the immediate vicinity which also could have the potential to generate similar wastes. Considering the past operating history of the subject property and immediately surrounding properties, a potential vapor encroachment condition exists.

- Fuel storage tanks are known to have been located on the subject property at 1125 Whitlock Avenue, including four tanks at the southern-most extent of the parcel. The four tanks are known to have been closed in place, and are registered as such with NYSDEC. Although tank closure documentation was not obtained, based on the regulatory status of these tanks, they were presumably closed to the satisfaction of NYSDEC.

We recommended completing a Phase II Site Assessment, to evaluate soil quality and soil vapor in the vicinity of past site operations and around the perimeter of the aforementioned fuel storage tanks. Summarized below are our findings and conclusions.

2.0 FIELD ACTIVITIES

2.1 Geophysical Surveys / Utility Mark Out

A geophysical services contractor was retained to conduct a mark-out of private utilities and screen the proposed boring locations on February 1, 2016. The mark out was conducted in the following areas:

- Plastics manufacturing facility in the northern portion of the Site (1156 E 165th Street).
- A storage facility area and active auto repair shops in the southern portion of the Site (1125 Whitlock Avenue).

The geophysical services contractor was unable to detect any underground storage tanks across the property during their survey.

2.2 Soil Sampling

Following the private utility mark out, 13 (thirteen) soil borings were completed on February 2 and February 3, 2016 for collection of subsurface soil samples (Figure 2). Soil borings on 1125 Whitlock Avenue were completed through the use of a track-mounted Geoprobe™ 540M equipped with 4-foot long, 1 ¾ -inch diameter core barrels fitted with acetate liners. Soil borings on 1156 East 165th Street were completed through the use of a track-mounted Geoprobe™ 6610DT equipped with 5-foot long, 1 ¾ -inch diameter core barrels fitted with acetate liners. Eight borings located within 1125 Whitlock Avenue were sampled continuously from the ground surface to a maximum depth of 16 feet below ground surface (bgs); five borings located within 1156 East 165th Street were sampled continuously from the ground surface to a maximum depth of 15 feet below grade. The project geologist recorded detailed logs of each boring which are attached to this report and summarized below. In general, the borings on 1125 Whitlock Avenue consisted of brown sand silt mixtures and the borings on 1156 East 165th Street consisted of historic fill. Bedrock was encountered in several borings.

Soil samples were screened in the field for the presence of VOCs using a photoionization detector (PID) and headspace techniques. With exception to SB-11 where two samples were collected, one soil sample from each boring was submitted to a NYSDOH-approved laboratory for analysis of TCL VOCs via USEPA Method 8260, PAH SVOCs via USEPA Method 8270, and TAL Metals via USEPA Methods 6010/7471.

Boring SB-01 was advanced to approximately 16 feet below grade. Groundwater was not encountered. The soil encountered consisted predominately of light brown fine sand-silt mixtures. No elevated PID readings were recorded throughout the boring profile. A sample was collected from the 13-15 feet interval.

Boring SB-02 was advanced to approximately 16 feet below grade. Groundwater was not encountered. The soil encountered consisted predominately of brown fine sand-silt mixtures. No elevated PID readings were recorded throughout the boring profile. A sample was collected from the 6-8 feet interval.

Boring SB-03 was advanced to approximately 8.5 feet below grade, where refusal was encountered. Groundwater was not encountered. The soil encountered consisted predominately of brown fine sand-silt mixtures. No elevated PID readings were recorded throughout the boring profile. A sample was collected from the 6-8 feet interval.

Boring SB-04 was advanced to approximately 16 feet below grade. Groundwater was not encountered. The soil encountered consisted predominately of brown fine sand-silt mixtures with crushed rock fragments throughout. No elevated PID readings were recorded throughout the boring profile. A sample was collected from the 13-15 feet interval.

Boring SB-05 was advanced to approximately 16 feet below grade. Groundwater was not encountered. The soil encountered consisted predominately of brown sand-silt mixtures. No elevated PID readings were recorded throughout the boring profile. A sample was collected from the 13-14 feet interval.

Boring SB-06 was advanced to approximately 16 feet below grade. Groundwater was not encountered. The soil encountered consisted predominately of historic fill. No elevated PID readings were recorded throughout the boring profile. A sample was collected from the 13-14 feet interval.

Boring SB-07 was advanced to approximately 3.5 feet below grade, where refusal was encountered. Groundwater was not encountered. The soil encountered consisted predominately of sand-silt mixtures. Maximum PID reading was 9.4 ppm. A sample was collected from the 3-3.5 feet interval.

Boring SB-08 was advanced to approximately 16 feet below grade. Groundwater was not encountered. The soil encountered consisted predominately of brown sands. No elevated PID readings were recorded throughout the boring profile. A sample was collected from the 9-10 feet interval.

Boring SB-09 was advanced to approximately 9 feet below grade, where refusal was encountered. Groundwater was not encountered. The soil encountered consisted predominately of historic fill with sand-silt mixtures. No elevated PID readings were recorded throughout the boring profile. A sample was collected from the 6-8 feet interval.

Boring SB-10 was advanced to approximately 15 feet below grade. Groundwater was not encountered. The soil encountered consisted predominately of brown sand-silt mixtures. No elevated PID readings were recorded throughout the boring profile. A sample was collected from the 12-14 feet interval.

Boring SB-11 was advanced to approximately 15 feet below grade. Groundwater was not encountered. The soil encountered consisted predominately of sand-silt mixtures with some historic fill. No elevated PID readings were recorded throughout the boring profile. A sample was collected from the 3-4 feet and 11-13 feet interval respectively.

Boring SB-12 was advanced to approximately 8 feet below grade, where refusal was encountered. Groundwater was not encountered. The soil encountered consisted predominately sand-silt mixtures. No elevated PID readings were recorded throughout the boring profile. A sample was collected from the 0-2 feet interval.

Boring SB-13 was advanced to approximately 3 feet below grade, where refusal was encountered. Groundwater was not encountered. The soil encountered consisted predominately of sand-silt mixtures. No

elevated PID readings were recorded throughout the boring profile. A sample was collected from the 3-3.5 feet interval.

2.3 Soil Vapor Sampling

On February 1, 2016, PVES personnel installed five subsurface vapor sampling points (SV-1 through SV-5) (Figure 3) across the subject property.

Sampling points were installed into the subsurface using a hammer drill and 5/8-inch drill bit. Polyethylene tubing was inserted to the bottom of each borehole and then sealed at the surface using non-volatile organic compound (VOC) emitting clay.

A helium tracer test was conducted to confirm the integrity of the seal at each sample location. The tubing from each sampling point was purged at 0.2 L/min using a RAE Systems MultiRAE Lite (1-3 tubing volumes were purged from each location), and then attached directly to a certified clean Summa canister with a regulator set to collect a sample over a 2-hour period. Samples were submitted to a NYSDOH ELAP-certified laboratory for analysis of VOCs via USEPA Method TO-15.

3.0 RESULTS

3.1 Soil Samples

Soil sample results are summarized in Table 1-3. Analytical reports are attached.

VOCs

VOCs were detected in 5 of the 14 soil samples collected. Three samples contained VOCs detected at concentrations exceeding Unrestricted Use Soil Cleanup Objectives (UUSCOs); no samples contained VOCs at concentrations exceeding Restricted Residential Soil Cleanup Objectives (RRSCOs). The compounds detected are sometimes associated with laboratory cross-contamination of samples during analysis. UUSCO exceedances are summarized below:

- SB-02 (6-8')
  - Acetone (396 ug/kg)
- SB-09 (6-8')
  - Acetone (54.1 ug/kg)
  - Methyl Ethyl Ketone (2-Butanone) (227 ug/kg)
- SB-11 (11-13')
  - Acetone (106 ug/kg)

SVOCs

SVOCs were detected in 3 of the 14 soil samples collected. Two soil samples, SB-03 and SB-11, contained SVOCs at concentrations exceeding UUSCOs and RRSCOs. These compounds are sometimes associated with historical fill. All exceedances are summarized below:

- SB-03 (6-8')

- **Benzo(A)Anthracene (1,050 ug/kg)***
- Chrysene (1,080 ug/kg)
- **Indeno(1,2,3-C,D)Pyrene (594 ug/kg)***

- SB-11 (3-4')
  - **Benzo(A)Anthracene (7,290 ug/kg)***
  - **Benzo(A)Pyrene (5,740 ug/kg)***
  - **Benzo(B)Fluoranthene (4,640 ug/kg)***
  - Benzo(K)Fluoranthene (3,290 ug/kg)
  - **Chrysene (7,890 ug/kg)***
  - **Indeno(1,2,3-C,D)Pyrene (4,740 ug/kg)***

* Compounds detected at concentrations exceeding **Restricted Residential Soil Cleanup Objectives (RRSCOs)**.

Metals

Metals were detected in all 14 of the 14 soil samples collected. Eight of the sample collected contained metals at concentrations exceeding UUSCOs. One soil sample, SB-11, contained metals detected at concentrations exceeding RRSCOs. These metals are sometimes associated with historical fill. All exceedances are summarized below:

- SB-02 (6-8')
  - Lead (64.5 mg/kg)

- SB-03 (6-8')
  - Lead (103 mg/kg)

- SB-06 (13-14')
  - Lead (134 mg/kg)

- SB-07 (3-3.5')
  - Lead (341 mg/kg)
  - Zinc (699 mg/kg)

- SB-08 (18-20')
  - Lead (139 mg/kg)
  - Zinc (286 mg/kg)

- SB-11 (3-4')
  - **Barium (1,110 mg/kg)***
  - Copper (70.5 mg/kg)
  - **Lead (1,170 mg/kg)***
  - Zinc (484 mg/kg)
  - **Mercury (3.21 mg/kg)***

- SB-12 (0-2')
  - Lead (106 mg/kg)

- SB-13 (3-3.5')
  - Nickel (31.0 mg/kg)

* Compounds detected at concentrations exceeding **Restricted Residential Soil Cleanup Objectives (RRSCOs)**

3.2 Soil Vapor Samples

Soil vapor results are summarized in Table 4. Analytical reports are attached.

VOCs

Several VOCs were detected at concentrations exceeding the guidance values per New York State Department of Health (NYSDOH) "Guidance for Evaluating Soil Vapor Intrusion in the State of New York," October 2006, Appendix C.1 NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes, 1997-2003, Indoor Air- Median Results.

Compounds detected in vapor samples at concentrations exceeding Indoor Air- Median parameters are summarized below:

- SV-1
  - **Tetrachloroethylene (PCE) (1,200 µg/m3)***
  - **Trichloroethylene (TCE) (390 µg/m3)***
- SV-2
  - Acetone (120 µg/m3)
  - Benzene (6.5 µg/m3)
  - Cyclohexane (17 µg/m3)
  - **Methyl Ethyl Ketone (2-Butanone) (380 µg/m3)***
  - N-Heptane (35 µg/m3)
  - N-Hexane (11 µg/m3)
  - O-Xylene (1,2-Dimethylbenzene) (7.3 µg/m3)
  - **Tetrachloroethylene (PCE) (250 µg/m3)***
  - Toluene (41 µg/m3)
- SV-3
  - **1,2,4-Trimethylbenzene (510 µg/m3)***
  - **1,3,5-Trimethylbenzene (Mesitylene) (530 µg/m3)***
  - **4-Ethyltoluene (430 µg/m3)***
  - Acetone (130 µg/m3)
  - Benzene (8.1 µg/m3)
  - **Cyclohexane (110 µg/m3)***
  - **Ethylbenzene (51 µg/m3)***
  - **Methyl Ethyl Ketone (2-Butanone) (130 µg/m3)***
  - **N-Heptane (83 µg/m3)***
  - N-Hexane (9.5 µg/m3)
  - **O-Xylene (1,2-Dimethylbenzene) (310 µg/m3)***
  - **Tetrachloroethylene (PCE) (3,600 µg/m3)***
  - Toluene (66 µg/m3)

- **Trichloroethylene (TCE) (34 µg/m3)***

- SV-4
  - Acetone (24 µg/m3)
  - Chloroform (2.5 µg/m3)
  - Cyclohexane (1.5 µg/m3)
  - Dichlorodifluoromethane (2.8 µg/m3)
  - Methyl Tert-Butyl Ether (MTBE) (1.3 µg/m3)
  - N-Heptane (4.9 µg/m3)
  - N-Hexane (5.3 µg/m3)
  - O-Xylene (1,2-Dimethylbenzene) (1.2 µg/m3)

- SV-5
  - Acetone (160 µg/m3)
  - Methyl Ethyl Ketone (2-Butanone) (8.5 µg/m3)

***** Compounds detected at concentrations exceeding NYSDOH "Guidance for Evaluating Soil Vapor Intrusion in the State of New York," October 2006, Appendix C.1 NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes, 1997-2003, **Indoor Air-99th Percentile Result.**

Several chlorinated hydrocarbons including tetrachloroethylene (PCE) and trichloroethylene (TCE) were detected in the sub-slab samples collected from the subject property at concentrations which would require monitoring and possibly mitigation, depending on the associated indoor air concentrations, according to NYSDOH's Guidance for Evaluating Soil Vapor Intrusion in the State of New York document dated October of 2006 (see tabulated on the following page).

NYSDEC Soil Vapor/Indoor Air Matrix 1
for ***Trichloroethene (TCE)*** and ***Carbon tetrachloride***

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)			
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 0.25	0.25 to < 1	1 to < 5.0	5.0 and above
< 5	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify source(s) and reduce exposures	4. Take reasonable and practical actions to identify source(s) and reduce exposures
5 to < 50	5. No further action	6. MONITOR	7. MONITOR	8. MITIGATE
50 to < 250	9. MONITOR	10. MONITOR / MITIGATE	11. MITIGATE	12. MITIGATE
250 and above	13. MITIGATE	14. MITIGATE	15. MITIGATE	16. MITIGATE

NYSDEC Soil Vapor/Indoor Air Matrix 2

for ***Tetrachloroethene (PCE)*** and ***1,1,1-Trichloroethane (1,1,1-TCA)***

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)			
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m3)	< 3	3 to < 30	30 to < 100	100 and above
< 100	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify source(s) and reduce exposures	4. Take reasonable and practical actions to identify source(s) and reduce exposures
100 to < 1,000	5. MONITOR	6. MONITOR / MITIGATE	7. MITIGATE	8. MITIGATE
1,000 and above	9. MITIGATE	10. MITIGATE	11. MITIGATE	12. MITIGATE

Per the NYSDOH's Guidance for Evaluating Soil Vapor Intrusion in the State of New York document dated October of 2006 (see above), the following actions are necessary at the following locations:

- **SV-1 -** MITIGATE
- **SV-2 -** MITIGATE
- **SV-3 -** MITIGATE

Mitigation in accordance with the NYSDOH guidance documents in existing buildings typically includes the ventilation of sub-slab vapors, or the incorporation of a vapor barrier and ventilation system in new construction.

4.0 CONCLUSIONS

4.1 Subsurface Soil

1. VOCs were detected in three soil samples at concentrations exceeding UUSCOs. No samples collected contained VOCs at detections exceeding RRSCOs.
2. SVOCs were detected in two soil samples collected at concentrations exceeding RRSCOs.
3. Metals were detected in one soil sample at concentrations exceeding RRSCOs

4.2 Soil Vapor

1. PCE and TCE were detected at concentrations which would require mitigation.

5.0 RECOMMENDATIONS

We recommend the following:

1. SVOCs and metals detected in subsurface soil samples are consistent with historic fill, which is common to urban environments. Locations where contaminants exceed RRSCOs represent areas of contaminated soil which will require further characterization, excavation and off-site disposal. Past site operations may have adversely affected subsurface soils. Excavation and handling of historical fill during future construction activities must be conducted in accordance with applicable rules and regulations; materials may necessitate additional testing and analysis for disposal purposes, and community air monitoring may be necessary. These procedures are typical on urban redevelopment sites.

2. The exact locations of the aforementioned USTs located on both 1156 E 165th Street and 1125 Whitlock Avenue were not discovered during field activities. If these tanks are exposed by excavation in the future, and determined to be regulated, these tanks will require closure in accordance with appropriate NYSDEC regulations and procedures.

3. Contaminated vapors have the potential to impact indoor air quality, and a vapor mitigation system should be incorporated into any future development, including a vapor barrier and possibly a sub-slab venting system beneath the foot print of buildings to mitigate the vapor intrusion.

Feel free to contact us if you have any questions.

Sincerely,

PVE SHEFFLER, LLC

Christopher B. Brown, CPG
Principal/Senior Hydrogeologist

CBB/tla

attachments

cc: Bruce Katona

FIGURES

SITE LOCATION MAP

1156 E 165 STREET AND 1125 WHITLOCK AVENUE
BRONX, NEW YORK

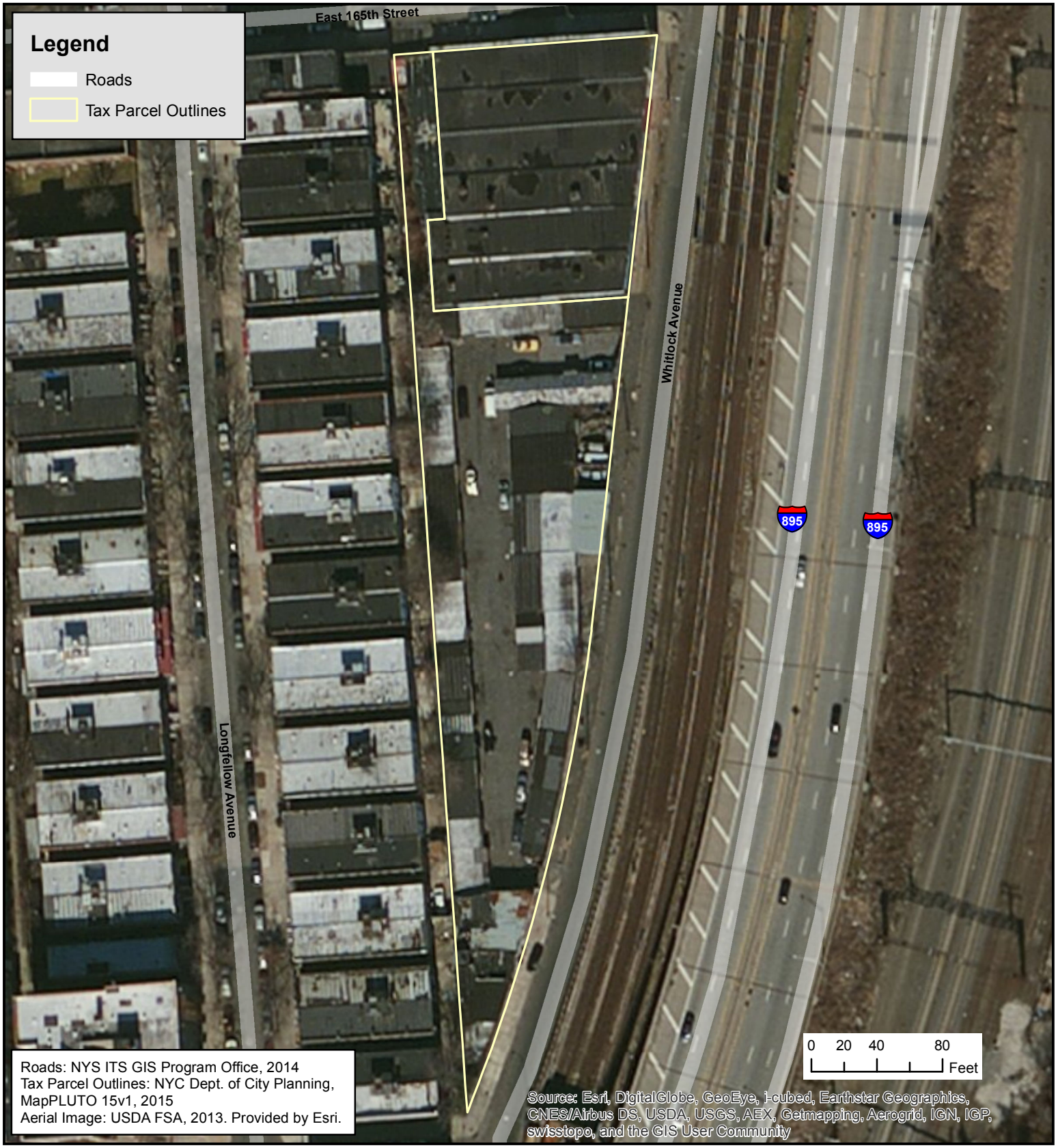
FIGURE 1

DATE:	02/23/2016
SCALE:	As Indicated
PROJECT NUMBER:	560999

ALL LOCATIONS APPROXIMATE

PVE Sheffler
Engineering • Survey • Environmental

48 Springside Avenue
Poughkeepsie, New York 12603
Phone: (845) 454-2544
Fax: (845) 454-2655



SELECTED SITE FEATURES

1156 E 165 STREET AND 1125 WHITLOCK AVENUE
BRONX, NEW YORK

FIGURE 2

DATE:	02/23/2016
SCALE:	As Indicated
PROJECT NUMBER:	560999

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Engineering • Survey • Environmental

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Poughkeepsie, New York 12603
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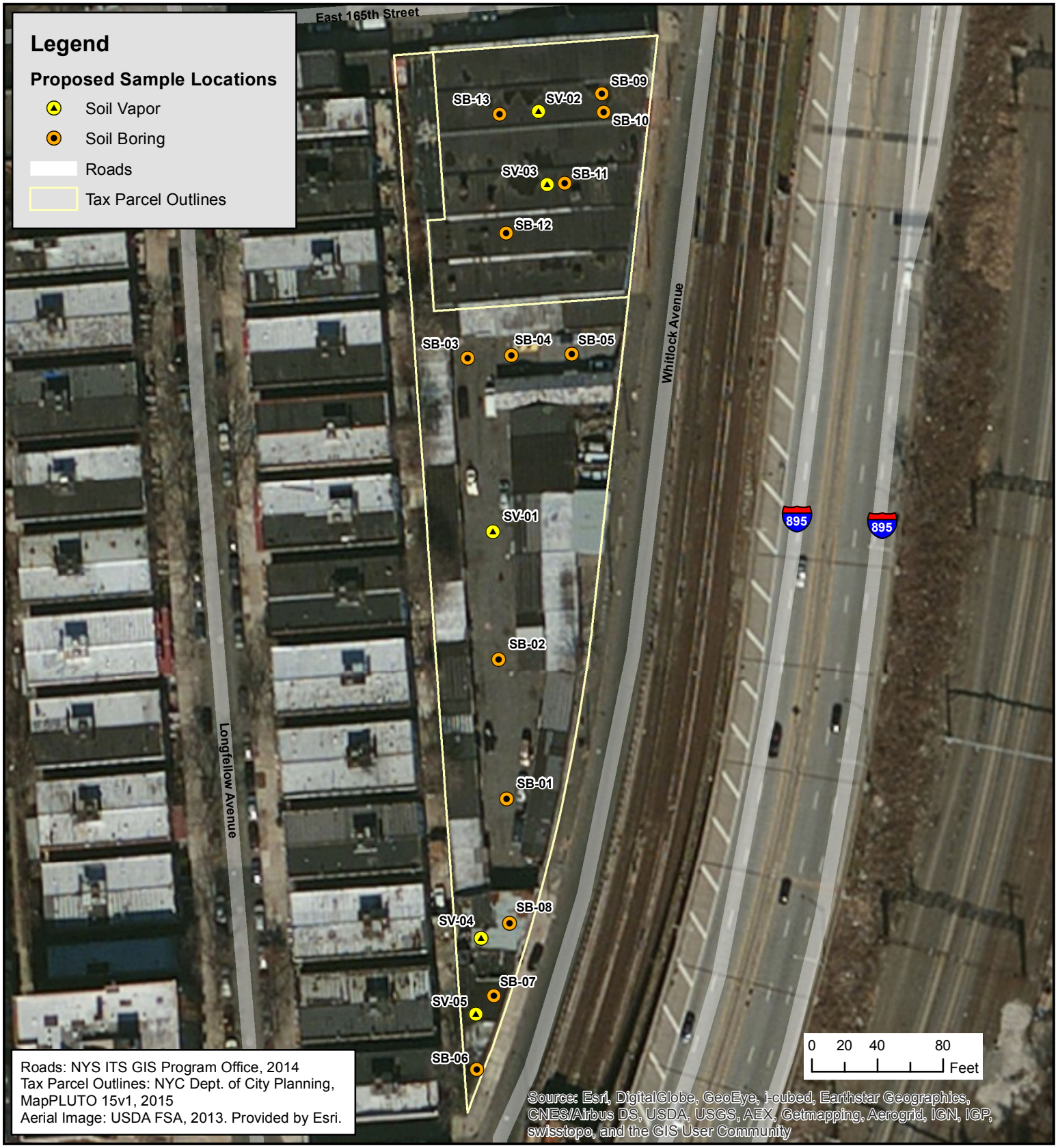

SOIL VAPOR AND SOIL BORING SAMPLE LOCATIONS

1156 E 165 STREET AND 1125 WHITLOCK AVENUE
BRONX, NEW YORK

FIGURE 3

DATE:	02/23/2016
SCALE:	As Indicated
PROJECT NUMBER:	560999

ALL LOCATIONS APPROXIMATE

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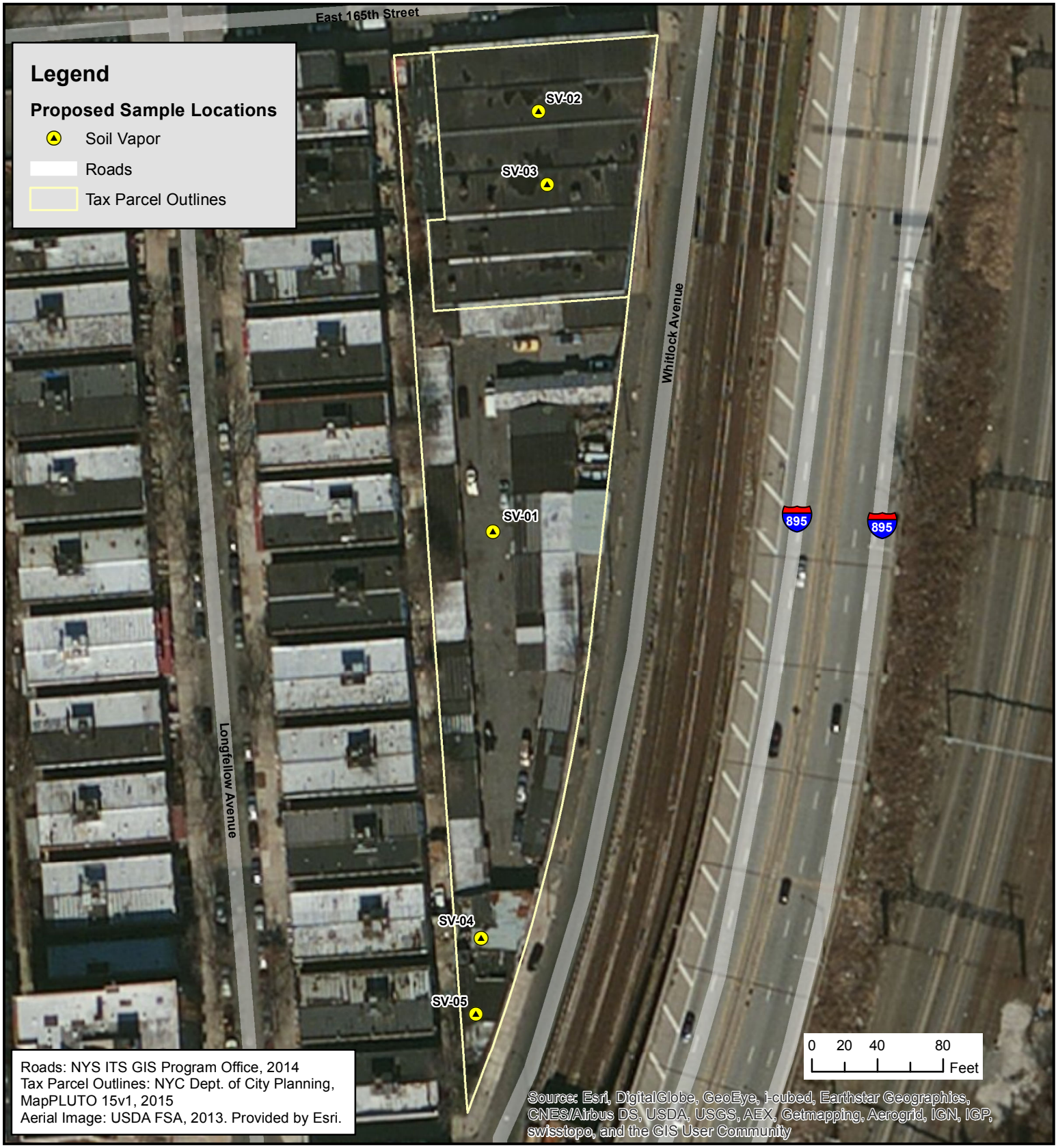

SOIL VAPOR SAMPLE LOCATIONS

1156 E 165 STREET AND 1125 WHITLOCK AVENUE
BRONX, NEW YORK

FIGURE 4

DATE:	02/23/2016
SCALE:	As Indicated
PROJECT NUMBER:	560999

ALL LOCATIONS APPROXIMATE

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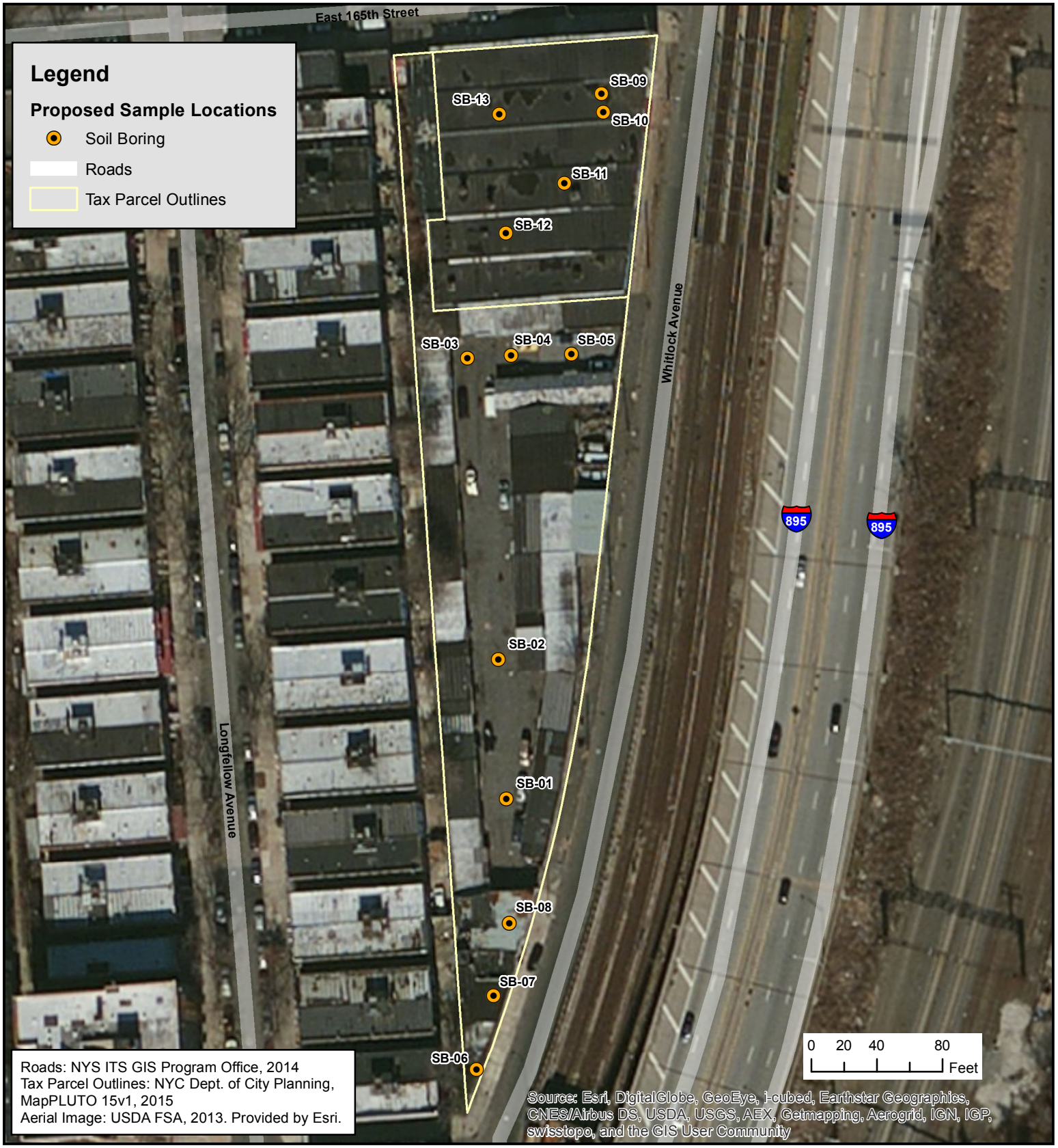

SOIL BORING SAMPLE LOCATIONS

1156 E 165 STREET AND 1125 WHITLOCK AVENUE
BRONX, NEW YORK

FIGURE 5

DATE:	02/23/2016
SCALE:	As Indicated
PROJECT NUMBER:	560999

ALL LOCATIONS APPROXIMATE

PVE Sheffler
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Fax: (845) 454-2655

CONTAMINANTS OF CONCERN

1156 E 165 STREET AND 1125 WHITLOCK AVENUE
BRONX, NEW YORK

FIGURE 6

DATE:	02/23/2016
SCALE:	As Indicated
PROJECT NUMBER:	560999

ALL LOCATIONS APPROXIMATE

PVE Sheffler
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TABLES

Table 1. Soil Samples Analytical; USEPA Method 8260;
Collected February 2 & 3, 2016; 1156 East 165th Street and 1125 Whitlock Avenue, Bronx, NY;
PVE Sheffler File #560999

					Date Sampled	2/2/2016			2/2/2016			2/2/2016			2/2/2016			2/2/2016			2/2/2016			2/2/2016			2/2/2016			2/3/2016			2/3/2016			2/3/2016			2/3/2016			2/3/2016			2/3/2016		
					Sample ID	SB-01 20160202			SB-02 20160202			SB-03 20160202			SB-04 20160202			SB-05 20160202			SB-06 20160202			SB-07 20160202			SB-08 20160202			SB-09 20160203			SB-10 20160203			SB-11 20160203			SB-11 3-4' 20160203			SB-12 20160203			SB-13 20160203		
Method	Analyte	CAS RN	UUSCOS	RRSCOs	Unit	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q
SW8260C	1,1,1-Trichloroethane	71-55-6	680	100000	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	1,1,2,2-Tetrachloroethane	79-34-5	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	1,1,2-Trichloroethane	79-00-5	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	1,1-Dichloroethane	75-34-3	270	26000	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	1,1-Dichloroethene	75-35-4	330	100000	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	1,2,3-Trichlorobenzene	87-61-6	NE	NE		ND< 23.1	ug/kg	UJL	ND< 24.6	ug/kg	UJL	ND< 17.6	ug/kg	UJL	ND< 15.9	ug/kg	UJL	ND< 15.6	ug/kg	UJL	ND< 22.1	ug/kg	UJL	ND< 19.4	ug/kg	UJL	ND< 20.4	ug/kg	UJL	ND< 22.4	ug/kg	UJL	ND< 20.0	ug/kg	UJL	ND< 15.7	ug/kg	UJL	ND< 20.3	ug/kg	UJL	ND< 17.6	ug/kg	UJL	ND< 18.1	ug/kg	UJL
SW8260C	1,2,4-Trichlorobenzene	120-82-1	NE	NE		ND< 23.1	ug/kg	UJL	ND< 24.6	ug/kg	UJL	ND< 17.6	ug/kg	UJL	ND< 15.9	ug/kg	UJL	ND< 15.6	ug/kg	UJL	ND< 22.1	ug/kg	UJL	ND< 19.4	ug/kg	UJL	ND< 20.4	ug/kg	UJL	ND< 22.4	ug/kg	UJL	ND< 20.0	ug/kg	UJL	ND< 15.7	ug/kg	UJL	ND< 20.3	ug/kg	UJL	ND< 17.6	ug/kg	UJL	ND< 18.1	ug/kg	UJL
SW8260C	1,2-Dibromo-3-Chloropropane	96-12-8	NE	NE		ND< 46.2	ug/kg	UJL	ND< 49.2	ug/kg	UJL	ND< 35.2	ug/kg	UJL	ND< 31.7	ug/kg	UJL	ND< 31.3	ug/kg	UJL	ND< 44.2	ug/kg	UJL	ND< 38.7	ug/kg	UJL	ND< 40.8	ug/kg	UJL	ND< 44.7	ug/kg	UJL	ND< 39.9	ug/kg	UJL	ND< 31.5	ug/kg	UJL	ND< 40.6	ug/kg	UJL	ND< 35.1	ug/kg	UJL	ND< 36.3	ug/kg	UJL
SW8260C	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	1,2-Dichlorobenzene	95-50-1	1100	100000	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	1,2-Dichloroethane	107-06-2	20	3100	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	1,2-Dichloropropane	78-87-5	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	1,3-Dichlorobenzene	541-73-1	2400	49000	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	1,4-Dichlorobenzene	106-46-7	1800	13000	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	1,4-Dioxane (P-Dioxane)	123-91-1	100	13000	ug/kg	ND< 92.3	ug/kg	UJL	ND< 98.3	ug/kg	UJL	ND< 70.5	ug/kg	UJL	ND< 63.4	ug/kg	UJL	ND< 62.5	ug/kg	UJL	ND< 88.4	ug/kg	UJL	ND< 77.5	ug/kg	UJL	ND< 81.6	ug/kg	UJL	ND< 89.5	ug/kg	UJL	ND< 79.9	ug/kg	UJL	ND< 62.9	ug/kg	UJL	ND< 81.3	ug/kg	UJL	ND< 70.3	ug/kg	UJL	ND< 72.6	ug/kg	UJL
SW8260C	2-Hexanone	591-78-6	NE	NE		ND< 23.1	ug/kg	UJL	ND< 24.6	ug/kg	UJL	ND< 17.6	ug/kg	UJL	ND< 15.9	ug/kg	UJL	ND< 15.6	ug/kg	UJL	ND< 22.1	ug/kg	UJL	ND< 19.4	ug/kg	UJL	ND< 20.4	ug/kg	UJL	ND< 22.4	ug/kg	UJL	ND< 20.0	ug/kg	UJL	ND< 15.7	ug/kg	UJL	ND< 20.3	ug/kg	UJL	ND< 17.6	ug/kg	UJL	ND< 18.1	ug/kg	UJL
SW8260C	Acetone	67-64-1	50	100000	ug/kg	ND< 46.2	ug/kg	UJL	**396**	**ug/kg**	**JL**	ND< 35.2	ug/kg	UJL	ND< 31.7	ug/kg	UJL	ND< 31.3	ug/kg	UJL	ND< 44.2	ug/kg	UJL	ND< 38.7	ug/kg	UJL	ND< 40.8	ug/kg	UJL	**54.1**	**ug/kg**	**JL**	ND< 39.9	ug/kg	UJL	**106**	**ug/kg**	**JL**	ND< 40.6	ug/kg	UJL	ND< 35.1	ug/kg	UJL	ND< 36.3	ug/kg	UJL
SW8260C	Benzene	71-43-2	60	4800	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Bromochloromethane	74-97-5	NE	NE		ND< 23.1	ug/kg	UJL	ND< 24.6	ug/kg	UJL	ND< 17.6	ug/kg	UJL	ND< 15.9	ug/kg	UJL	ND< 15.6	ug/kg	UJL	ND< 22.1	ug/kg	UJL	ND< 19.4	ug/kg	UJL	ND< 20.4	ug/kg	UJL	ND< 22.4	ug/kg	UJL	ND< 20.0	ug/kg	UJL	ND< 15.7	ug/kg	UJL	ND< 20.3	ug/kg	UJL	ND< 17.6	ug/kg	UJL	ND< 18.1	ug/kg	UJL
SW8260C	Bromodichloromethane	75-27-4	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Bromoform	75-25-2	NE	NE		ND< 23.1	ug/kg	UJL	ND< 24.6	ug/kg	UJL	ND< 17.6	ug/kg	UJL	ND< 15.9	ug/kg	UJL	ND< 15.6	ug/kg	UJL	ND< 22.1	ug/kg	UJL	ND< 19.4	ug/kg	UJL	ND< 20.4	ug/kg	UJL	ND< 22.4	ug/kg	UJL	ND< 20.0	ug/kg	UJL	ND< 15.7	ug/kg	UJL	ND< 20.3	ug/kg	UJL	ND< 17.6	ug/kg	UJL	ND< 18.1	ug/kg	UJL
SW8260C	Bromomethane	74-83-9	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Carbon Disulfide	75-15-0	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Carbon Tetrachloride	56-23-5	760	2400	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Chlorobenzene	108-90-7	1100	100000	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Chloroethane	75-00-3	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Chloroform	67-66-3	370	49000	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Chloromethane	74-87-3	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Cis-1,2-Dichloroethylene	156-59-2	250	100000	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Cis-1,3-Dichloropropene	10061-01-5	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Cyclohexane	110-82-7	NE	NE		ND< 46.2	ug/kg	UJL	ND< 49.2	ug/kg	UJL	ND< 35.2	ug/kg	UJL	ND< 31.7	ug/kg	UJL	ND< 31.3	ug/kg	UJL	ND< 44.2	ug/kg	UJL	ND< 38.7	ug/kg	UJL	ND< 40.8	ug/kg	UJL	ND< 44.7	ug/kg	UJL	ND< 39.9	ug/kg	UJL	ND< 31.5	ug/kg	UJL	ND< 40.6	ug/kg	UJL	ND< 35.1	ug/kg	UJL	ND< 36.3	ug/kg	UJL
SW8260C	Dibromochloromethane	124-48-1	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Dichlorodifluoromethane	75-71-8	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Ethylbenzene	100-41-4	1000	41000	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Isopropylbenzene (Cumene)	98-82-8	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Methyl Acetate	79-20-9	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Methyl Ethyl Ketone (2-Butanone)	78-93-3	120	100000	ug/kg	ND< 46.2	ug/kg	UJL	61.7	ug/kg	JL	ND< 35.2	ug/kg	UJL	ND< 31.7	ug/kg	UJL	ND< 31.3	ug/kg	UJL	ND< 44.2	ug/kg	UJL	ND< 38.7	ug/kg	UJL	ND< 40.8	ug/kg	UJL	**227**	**ug/kg**	**JL**	ND< 39.9	ug/kg	UJL	ND< 31.5	ug/kg	UJL	ND< 40.6	ug/kg	UJL	ND< 35.1	ug/kg	UJL	ND< 36.3	ug/kg	UJL
SW8260C	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NE	NE		ND< 23.1	ug/kg	UJL	ND< 24.6	ug/kg	UJL	ND< 17.6	ug/kg	UJL	ND< 15.9	ug/kg	UJL	ND< 15.6	ug/kg	UJL	ND< 22.1	ug/kg	UJL	ND< 19.4	ug/kg	UJL	ND< 20.4	ug/kg	UJL	ND< 22.4	ug/kg	UJL	ND< 20.0	ug/kg	UJL	ND< 15.7	ug/kg	UJL	ND< 20.3	ug/kg	UJL	ND< 17.6	ug/kg	UJL	ND< 18.1	ug/kg	UJL
SW8260C	Methyl Tert-Butyl Ether (MTBE)	1634-04-4	930	100000	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Methylcyclohexane	108-87-2	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Methylene Chloride	75-09-2	50	100000	ug/kg	ND< 23.1	ug/kg	UJL	ND< 24.6	ug/kg	UJL	ND< 17.6	ug/kg	UJL	ND< 15.9	ug/kg	UJL	ND< 15.6	ug/kg	UJL	ND< 22.1	ug/kg	UJL	ND< 19.4	ug/kg	UJL	ND< 20.4	ug/kg	UJL	ND< 22.4	ug/kg	UJL	ND< 20.0	ug/kg	UJL	ND< 15.7	ug/kg	UJL	ND< 20.3	ug/kg	UJL	ND< 17.6	ug/kg	UJL	ND< 18.1	ug/kg	UJL
SW8260C	M-P-Xylene	136777-61-2	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	23.7	ug/kg	JL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	11.3	ug/kg	JL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Styrene	100-42-5	NE	NE		ND< 23.1	ug/kg	UJL	ND< 24.6	ug/kg	UJL	ND< 17.6	ug/kg	UJL	ND< 15.9	ug/kg	UJL	ND< 15.6	ug/kg	UJL	ND< 22.1	ug/kg	UJL	ND< 19.4	ug/kg	UJL	ND< 20.4	ug/kg	UJL	ND< 22.4	ug/kg	UJL	ND< 20.0	ug/kg	UJL	ND< 15.7	ug/kg	UJL	ND< 20.3	ug/kg	UJL	ND< 17.6	ug/kg	UJL	ND< 18.1	ug/kg	UJL
SW8260C	Tetrachloroethylene (PCE)	127-18-4	1300	19000	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	134	ug/kg	JL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Toluene	108-88-3	700	100000	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Trans-1,2-Dichloroethene	156-60-5	190	100000	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Trans-1,3-Dichloropropene	10061-02-6	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Trichloroethylene (TCE)	79-01-6	470	21000	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Trichlorofluoromethane	75-69-4	NE	NE		ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL
SW8260C	Vinyl Chloride	75-01-4	20	900	ug/kg	ND< 9.23	ug/kg	UJL	ND< 9.83	ug/kg	UJL	ND< 7.05	ug/kg	UJL	ND< 6.34	ug/kg	UJL	ND< 6.25	ug/kg	UJL	ND< 8.84	ug/kg	UJL	ND< 7.75	ug/kg	UJL	ND< 8.16	ug/kg	UJL	ND< 8.95	ug/kg	UJL	ND< 7.99	ug/kg	UJL	ND< 6.29	ug/kg	UJL	ND< 8.13	ug/kg	UJL	ND< 7.03	ug/kg	UJL	ND< 7.26	ug/kg	UJL

Notes:
Standards are for respective Soil Cleanup Objectives (SCOs) per NYSDEC CP-51 and Part 375 Unrestriced Use SCOs and Restricted Residential SCOs
All concentrations are in ug/kg unless otherwise indicated;
Yellow highlighted type designates those compounds detected at concentrations exceeding UUSCOs;
Red highlighted type designates those compounds detected at concentrations exceeding RRSCOs;
NE = No standard established.
MDL = Method Detection Limit
ND= Not detected at MDL for sample.

Table 2. Soil Samples Analytical; USEPA Method 8270;
Collected February 2 & 3, 2016; 1156 East 165th Street and 1125 Whitlock Avenue, Bronx, NY;
PVE Sheffler File #560999

					Date Sampled	2/2/2016			2/2/2016			2/2/2016			2/2/2016			2/2/2016			2/2/2016			2/2/2016			2/2/2016			2/3/2016			2/3/2016			2/3/2016			2/3/2016			2/3/2016			2/3/2016			2/3/2016		
					Sample ID	SB-01 20160202			SB-02 20160202			SB-03 20160202			SB-04 20160202			SB-05 20160202			SB-06 20160202			SB-07 20160202			SB-08 20160202			SB-09 20160203			SB-10 20160203			SB-11 20160203			SB-11 3-4' 20160203			SB-12 20160203			SB-13 20160203		
Method	Analyte	CAS RN	UUSCOS	RRSCOs	Unit	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q
SW8270D	Acenaphthene	83-32-9	20000	100000	ug/kg	ND< 339	ug/kg	U	ND< 343	ug/kg	U	ND< 345	ug/kg	U	ND< 337	ug/kg	U	ND< 344	ug/kg	U	ND< 356	ug/kg	U	ND< 327	ug/kg	U	ND< 349	ug/kg	U	ND< 323	ug/kg	U	ND< 314	ug/kg	U	ND< 317	ug/kg	U	ND< 1580	ug/kg	U	ND< 312	ug/kg	U	ND< 327	ug/kg	U
SW8270D	Acenaphthylene	208-96-8	100000	100000	ug/kg	ND< 339	ug/kg	U	ND< 343	ug/kg	U	ND< 345	ug/kg	U	ND< 337	ug/kg	U	ND< 344	ug/kg	U	ND< 356	ug/kg	U	ND< 327	ug/kg	U	ND< 349	ug/kg	U	ND< 323	ug/kg	U	ND< 314	ug/kg	U	ND< 317	ug/kg	U	ND< 1580	ug/kg	U	ND< 312	ug/kg	U	ND< 327	ug/kg	U
SW8270D	Anthracene	120-12-7	100000	100000	ug/kg	ND< 339	ug/kg	U	ND< 343	ug/kg	U	346	ug/kg		ND< 337	ug/kg	U	ND< 344	ug/kg	U	ND< 356	ug/kg	U	ND< 327	ug/kg	U	ND< 349	ug/kg	U	ND< 323	ug/kg	U	ND< 314	ug/kg	U	ND< 317	ug/kg	U	2470	ug/kg		ND< 312	ug/kg	U	ND< 327	ug/kg	U
SW8270D	Benzo(A)Anthracene	56-55-3	1000	1000	ug/kg	ND< 339	ug/kg	U	ND< 343	ug/kg	U	**1050**	**ug/kg**		ND< 337	ug/kg	U	ND< 344	ug/kg	U	ND< 356	ug/kg	U	ND< 327	ug/kg	U	ND< 349	ug/kg	U	ND< 323	ug/kg	U	ND< 314	ug/kg	U	ND< 317	ug/kg	U	**7290**	**ug/kg**		ND< 312	ug/kg	U	ND< 327	ug/kg	U
SW8270D	Benzo(A)Pyrene	50-32-8	1000	1000	ug/kg	ND< 339	ug/kg	U	ND< 343	ug/kg	U	755	ug/kg		ND< 337	ug/kg	U	ND< 344	ug/kg	U	ND< 356	ug/kg	U	ND< 327	ug/kg	U	ND< 349	ug/kg	U	ND< 323	ug/kg	U	ND< 314	ug/kg	U	ND< 317	ug/kg	U	**5740**	**ug/kg**		ND< 312	ug/kg	U	ND< 327	ug/kg	U
SW8270D	Benzo(B)Fluoranthene	205-99-2	1000	1000	ug/kg	ND< 339	ug/kg	U	ND< 343	ug/kg	U	602	ug/kg		ND< 337	ug/kg	U	ND< 344	ug/kg	U	ND< 356	ug/kg	U	ND< 327	ug/kg	U	ND< 349	ug/kg	U	ND< 323	ug/kg	U	ND< 314	ug/kg	U	ND< 317	ug/kg	U	**4640**	**ug/kg**		ND< 312	ug/kg	U	ND< 327	ug/kg	U
SW8270D	Benzo(G,H,I)Perylene	191-24-2	100000	100000	ug/kg	ND< 339	ug/kg	U	ND< 343	ug/kg	U	399	ug/kg		ND< 337	ug/kg	U	ND< 344	ug/kg	U	ND< 356	ug/kg	U	ND< 327	ug/kg	U	ND< 349	ug/kg	U	ND< 323	ug/kg	U	ND< 314	ug/kg	U	ND< 317	ug/kg	U	3480	ug/kg		ND< 312	ug/kg	U	ND< 327	ug/kg	U
SW8270D	Benzo(K)Fluoranthene	207-08-9	800	3900	ug/kg	ND< 339	ug/kg	U	ND< 343	ug/kg	U	524	ug/kg		ND< 337	ug/kg	U	ND< 344	ug/kg	U	ND< 356	ug/kg	U	ND< 327	ug/kg	U	ND< 349	ug/kg	U	ND< 323	ug/kg	U	ND< 314	ug/kg	U	ND< 317	ug/kg	U	**3290**	**ug/kg**		ND< 312	ug/kg	U	ND< 327	ug/kg	U
SW8270D	Chrysene	218-01-9	1000	3900	ug/kg	ND< 339	ug/kg	U	ND< 343	ug/kg	U	**1080**	**ug/kg**		ND< 337	ug/kg	U	ND< 344	ug/kg	U	ND< 356	ug/kg	U	ND< 327	ug/kg	U	ND< 349	ug/kg	U	ND< 323	ug/kg	U	ND< 314	ug/kg	U	ND< 317	ug/kg	U	**7890**	**ug/kg**		ND< 312	ug/kg	U	ND< 327	ug/kg	U
SW8270D	Dibenz(A,H)Anthracene	53-70-3	330	330	ug/kg	ND< 339	ug/kg	U	ND< 343	ug/kg	U	ND< 345	ug/kg	U	ND< 337	ug/kg	U	ND< 344	ug/kg	U	ND< 356	ug/kg	U	ND< 327	ug/kg	U	ND< 349	ug/kg	U	ND< 323	ug/kg	U	ND< 314	ug/kg	U	ND< 317	ug/kg	U	ND< 1580	ug/kg	U	ND< 312	ug/kg	U	ND< 327	ug/kg	U
SW8270D	Fluoranthene	206-44-0	100000	100000	ug/kg	ND< 339	ug/kg	U	ND< 343	ug/kg	U	1710	ug/kg		ND< 337	ug/kg	U	619	ug/kg		ND< 356	ug/kg	U	ND< 327	ug/kg	U	ND< 349	ug/kg	U	ND< 323	ug/kg	U	ND< 314	ug/kg	U	ND< 317	ug/kg	U	12300	ug/kg		ND< 312	ug/kg	U	ND< 327	ug/kg	U
SW8270D	Fluorene	86-73-7	30000	100000	ug/kg	ND< 339	ug/kg	U	ND< 343	ug/kg	U	ND< 345	ug/kg	U	ND< 337	ug/kg	U	ND< 344	ug/kg	U	ND< 356	ug/kg	U	ND< 327	ug/kg	U	ND< 349	ug/kg	U	ND< 323	ug/kg	U	ND< 314	ug/kg	U	ND< 317	ug/kg	U	ND< 1580	ug/kg	U	ND< 312	ug/kg	U	ND< 327	ug/kg	U
SW8270D	Indeno(1,2,3-C,D)Pyrene	193-39-5	500	500	ug/kg	ND< 339	ug/kg	U	ND< 343	ug/kg	U	**594**	**ug/kg**		ND< 337	ug/kg	U	ND< 344	ug/kg	U	ND< 356	ug/kg	U	ND< 327	ug/kg	U	ND< 349	ug/kg	U	ND< 323	ug/kg	U	ND< 314	ug/kg	U	ND< 317	ug/kg	U	**4740**	**ug/kg**		ND< 312	ug/kg	U	ND< 327	ug/kg	U
SW8270D	Naphthalene	91-20-3	12000	100000	ug/kg	ND< 339	ug/kg	U	ND< 343	ug/kg	U	ND< 345	ug/kg	U	ND< 337	ug/kg	U	ND< 344	ug/kg	U	ND< 356	ug/kg	U	ND< 327	ug/kg	U	ND< 349	ug/kg	U	ND< 323	ug/kg	U	ND< 314	ug/kg	U	ND< 317	ug/kg	U	1750	ug/kg		ND< 312	ug/kg	U	ND< 327	ug/kg	U
SW8270D	Phenanthrene	85-01-8	100000	100000	ug/kg	ND< 339	ug/kg	U	ND< 343	ug/kg	U	1380	ug/kg		ND< 337	ug/kg	U	ND< 344	ug/kg	U	ND< 356	ug/kg	U	ND< 327	ug/kg	U	ND< 349	ug/kg	U	ND< 323	ug/kg	U	ND< 314	ug/kg	U	ND< 317	ug/kg	U	15200	ug/kg		ND< 312	ug/kg	U	ND< 327	ug/kg	U
SW8270D	Pyrene	129-00-0	100000	100000	ug/kg	ND< 339	ug/kg	U	ND< 343	ug/kg	U	1850	ug/kg		ND< 337	ug/kg	U	375	ug/kg		ND< 356	ug/kg	U	ND< 327	ug/kg	U	ND< 349	ug/kg	U	ND< 323	ug/kg	U	ND< 314	ug/kg	U	ND< 317	ug/kg	U	15100	ug/kg		ND< 312	ug/kg	U	ND< 327	ug/kg	U

Notes:
Standards are for respective Soil Cleanup Objectives (SCOs) per NYSDEC CP-51 and Part 375 Unrestriced Use SCOs and Restricted Residential SCOs
All concentrations are in ug/kg unless otherwise indicated;
Yellow highlighted type designates those compounds detected at concentrations exceeding UUSCOs;
Red highlighted type designates those compounds detected at concentrations exceeding RRSCOs;
NE = No standard established.
MDL = Method Detection Limit
ND= Not detected at MDL for sample.

Table 3. Soil Samples Analytical; USEPA Method 6010 & 7471;
Collected February 2 & 3, 2016; 1156 East 165th Street and 1125 Whitlock Avenue, Bronx, NY;
PVE Sheffler File #560999

						Date Sampled	2/2/2016			2/2/2016			2/2/2016			2/2/2016			2/2/2016			2/2/2016			2/2/2016			2/2/2016			2/3/2016			2/3/2016			2/3/2016			2/3/2016			2/3/2016			2/3/2016		
						Sample ID	SB-01 20160202			SB-02 20160202			SB-03 20160202			SB-04 20160202			SB-05 20160202			SB-06 20160202			SB-07 20160202			SB-08 20160202			SB-09 20160203			SB-10 20160203			SB-11 20160203			SB-11 3-4' 20160203			SB-12 20160203			SB-13 20160203		
Method	Analyte	CAS RN	UUSCOS	RRSCOs	Unit		Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q
SW6010C	Aluminum	7429-90-5	NE	NE			18800	mg/kg		14400	mg/kg		15800	mg/kg		11000	mg/kg		11800	mg/kg		12400	mg/kg		9700	mg/kg		17100	mg/kg		12200	mg/kg		10300	mg/kg		11700	mg/kg		8580	mg/kg		11300	mg/kg		20100	mg/kg	
SW6010C	Antimony	7440-36-0	NE	NE			ND< 3.56	mg/kg	U	ND< 3.59	mg/kg	U	ND< 3.40	mg/kg	U	ND< 3.33	mg/kg	U	ND< 3.62	mg/kg	U	ND< 3.62	mg/kg	U	ND< 3.24	mg/kg	U	ND< 3.54	mg/kg	U	ND< 3.19	mg/kg	U	ND< 3.10	mg/kg	U	ND< 3.09	mg/kg	U	ND< 3.21	mg/kg	U	ND< 3.25	mg/kg	U	ND< 3.31	mg/kg	U
SW6010C	Arsenic	7440-38-2	13	16	mg/kg		1.30	mg/kg		1.63	mg/kg		1.68	mg/kg		ND< 0.554	mg/kg	U	0.682	mg/kg		ND< 0.603	mg/kg	U	2.26	mg/kg		ND< 0.591	mg/kg	U	1.13	mg/kg		0.670	mg/kg		0.642	mg/kg		10.1	mg/kg		1.28	mg/kg		ND< 0.551	mg/kg	U
SW6010C	Barium	7440-39-3	350	400	mg/kg		90.7	mg/kg		111	mg/kg		105	mg/kg		132	mg/kg		118	mg/kg		103	mg/kg		168	mg/kg		162	mg/kg		99.1	mg/kg		72.0	mg/kg		83.4	mg/kg		**1110**	**mg/kg**	**DM**	109	mg/kg		100	mg/kg	
SW6010C	Beryllium	7440-41-7	7.2	72	mg/kg		0.618	mg/kg		0.653	mg/kg		0.632	mg/kg		0.606	mg/kg		0.605	mg/kg		0.455	mg/kg		0.422	mg/kg		0.769	mg/kg		0.509	mg/kg		0.457	mg/kg		0.513	mg/kg		ND< 0.268	mg/kg	U	0.548	mg/kg		0.586	mg/kg	
SW6010C	Cadmium	7440-43-9	2.5	4.3	mg/kg		ND< 0.296	mg/kg	U	ND< 0.299	mg/kg	U	ND< 0.283	mg/kg	U	ND< 0.277	mg/kg	U	ND< 0.302	mg/kg	U	ND< 0.302	mg/kg	U	1.62	mg/kg		0.435	mg/kg		0.742	mg/kg		ND< 0.258	mg/kg	U	ND< 0.258	mg/kg	U	0.787	mg/kg	D	ND< 0.270	mg/kg	U	ND< 0.276	mg/kg	U
SW6010C	Calcium	7440-70-2	NE	NE			1310	mg/kg		1750	mg/kg		1630	mg/kg		1960	mg/kg		2050	mg/kg		1280	mg/kg		23100	mg/kg		3720	mg/kg		8600	mg/kg		1980	mg/kg		2150	mg/kg		25900	mg/kg	D	12100	mg/kg		1810	mg/kg	
SW6010C	Chromium, Total	7440-47-3	NE	NE			25.6	mg/kg		24.7	mg/kg		25.0	mg/kg		25.8	mg/kg		30.4	mg/kg		21.2	mg/kg		20.2	mg/kg		32.2	mg/kg		25.5	mg/kg		33.0	mg/kg		24.4	mg/kg		21.6	mg/kg		25.4	mg/kg		35.4	mg/kg	
SW6010C	Cobalt	7440-48-4	NE	NE			15.5	mg/kg		12.5	mg/kg		19.1	mg/kg		14.2	mg/kg		14.4	mg/kg		13.7	mg/kg		9.43	mg/kg		20.1	mg/kg		12.2	mg/kg		13.1	mg/kg		11.4	mg/kg		8.33	mg/kg		11.4	mg/kg		16.3	mg/kg	
SW6010C	Copper	7440-50-8	50	270	mg/kg		17.1	mg/kg		33.2	mg/kg		28.1	mg/kg		29.2	mg/kg		28.8	mg/kg		22.0	mg/kg		43.8	mg/kg		38.2	mg/kg		29.8	mg/kg		31.1	mg/kg		29.1	mg/kg		**70.5**	**mg/kg**		26.5	mg/kg		28.3	mg/kg	
SW6010C	Iron	7439-89-6	NE	NE			26700	mg/kg		21400	mg/kg		22100	mg/kg		27400	mg/kg		26900	mg/kg		18900	mg/kg		16700	mg/kg		44500	mg/kg		19900	mg/kg		21700	mg/kg		19300	mg/kg		24200	mg/kg		19700	mg/kg		27000	mg/kg	
SW6010C	Lead	7439-92-1	63	400	mg/kg		9.43	mg/kg		**64.5**	**mg/kg**		**103**	**mg/kg**		9.46	mg/kg		7.80	mg/kg		**134**	**mg/kg**		**341**	**mg/kg**		**139**	**mg/kg**		19.7	mg/kg		7.66	mg/kg		11.2	mg/kg		**1170**	**mg/kg**	**DM**	**106**	**mg/kg**		9.63	mg/kg	
SW6010C	Magnesium	7439-95-4	NE	NE			5030	mg/kg		4270	mg/kg		5190	mg/kg		3800	mg/kg		4080	mg/kg		4730	mg/kg		6290	mg/kg		7020	mg/kg		4460	mg/kg		3660	mg/kg		3360	mg/kg		5190	mg/kg	D	3940	mg/kg		6510	mg/kg	
SW6010C	Manganese	7439-96-5	1600	2000	mg/kg		740	mg/kg		398	mg/kg		818	mg/kg		1570	mg/kg		973	mg/kg		143	mg/kg		278	mg/kg		1110	mg/kg		479	mg/kg		462	mg/kg		401	mg/kg		287	mg/kg		322	mg/kg		190	mg/kg	
SW6010C	Nickel	7440-02-0	30	310	mg/kg		24.2	mg/kg		21.1	mg/kg		27.9	mg/kg		29.1	mg/kg		25.7	mg/kg		19.8	mg/kg		18.4	mg/kg		27.8	mg/kg		20.7	mg/kg		21.3	mg/kg		20.5	mg/kg		15.3	mg/kg		17.7	mg/kg		**31.0**	**mg/kg**	
SW6010C	Potassium	7440-09-7	NE	NE			2610	mg/kg		2340	mg/kg		2510	mg/kg		2690	mg/kg		3490	mg/kg		4550	mg/kg		2640	mg/kg		7910	mg/kg		3340	mg/kg		2520	mg/kg		2710	mg/kg		2180	mg/kg	M	3090	mg/kg		2860	mg/kg	
SW6010C	Selenium	7782-49-2	3.9	180	mg/kg		ND< 0.593	mg/kg	U	ND< 0.599	mg/kg	U	ND< 0.566	mg/kg	U	ND< 0.554	mg/kg	U	ND< 0.603	mg/kg	U	ND< 0.603	mg/kg	U	ND< 0.540	mg/kg	U	ND< 0.591	mg/kg	U	0.635	mg/kg		ND< 0.517	mg/kg	U	ND< 0.516	mg/kg	U	2.11	mg/kg	D	ND< 0.541	mg/kg	U	ND< 0.551	mg/kg	U
SW6010C	Silver	7440-22-4	2	180	mg/kg		ND< 0.593	mg/kg	U	ND< 0.599	mg/kg	U	ND< 0.566	mg/kg	U	ND< 0.554	mg/kg	U	ND< 0.603	mg/kg	U	ND< 0.603	mg/kg	U	ND< 0.540	mg/kg	U	ND< 0.591	mg/kg	U	ND< 0.531	mg/kg	U	ND< 0.517	mg/kg	U	ND< 0.516	mg/kg	U	ND< 0.535	mg/kg	U	ND< 0.541	mg/kg	U	ND< 0.551	mg/kg	U
SW6010C	Sodium	7440-23-5	NE	NE			ND< 148	mg/kg	U	ND< 150	mg/kg	U	ND< 142	mg/kg	U	ND< 139	mg/kg	U	ND< 151	mg/kg	U	ND< 151	mg/kg	U	232	mg/kg		191	mg/kg		354	mg/kg		155	mg/kg		153	mg/kg		510	mg/kg	D	158	mg/kg		150	mg/kg	
SW6010C	Thallium	7440-28-0	NE	NE			ND< 1.48	mg/kg	U	ND< 1.50	mg/kg	U	ND< 1.42	mg/kg	U	ND< 1.39	mg/kg	U	ND< 1.51	mg/kg	U	3.23	mg/kg		ND< 1.35	mg/kg	U	2.16	mg/kg		ND< 1.33	mg/kg	U	ND< 1.29	mg/kg	U	ND< 1.29	mg/kg	U	1.64	mg/kg	D	ND< 1.35	mg/kg	U	4.01	mg/kg	
SW6010C	Vanadium	7440-62-2	NE	NE			40.9	mg/kg		37.5	mg/kg		38.9	mg/kg		36.9	mg/kg		39.7	mg/kg		31.5	mg/kg		30.8	mg/kg		42.0	mg/kg		36.9	mg/kg		43.0	mg/kg		35.1	mg/kg		31.3	mg/kg		30.7	mg/kg		49.4	mg/kg	
SW6010C	Zinc	7440-66-6	109	10000	mg/kg		61.3	mg/kg		85.2	mg/kg		80.1	mg/kg		82.5	mg/kg		74.3	mg/kg		60.2	mg/kg		**699**	**mg/kg**		**286**	**mg/kg**		64.0	mg/kg		50.0	mg/kg		50.2	mg/kg		**484**	**mg/kg**	**DM**	90.3	mg/kg		59.7	mg/kg	
SW7471B	Mercury	7439-97-6	0.18	0.81	mg/kg		0.0291	mg/kg		0.174	mg/kg		0.122	mg/kg		0.0169	mg/kg		0.0147	mg/kg		0.0688	mg/kg		0.120	mg/kg		0.0392	mg/kg		0.0351	mg/kg		0.00897	mg/kg		0.0346	mg/kg		**3.21**	**mg/kg**		0.172	mg/kg		0.0303	mg/kg	

Notes:
Standards are for respective Soil Cleanup Objectives (SCOs) per NYSDEC CP-51 and Part 375 Unrestriced Use SCOs and Restricted Residential SCOs
All concentrations are in mg/kg unless otherwise indicated;
Yellow highlighted type designates those compounds detected at concentrations exceeding UUSCOs;
Red highlighted type designates those compounds detected at concentrations exceeding RRSCOs;
NE = No standard established.
MDL = Method Detection Limit
ND= Not detected at MDL for sample.

Table 4 - Soil Vapor Sample Results
Samples collected February 1, 2016
Collected from: 1156 E 165th Street & 1125 Whitlock Avenue, Bronx, New York
PVES File #560999

				Date Sampled	2/1/2016			2/1/2016			2/1/2016			2/1/2016			2/1/2016		
				Sample ID	SV-1 20160201			SV-2 20160201			SV-3 20160201			SV-4 20160201			SV-5 20160201		
Analyte	CAS RN	NYSDOH INDOOR AIR MEDIAN CONCENTRATION	NYSDOH INDOOR AIR 99TH	Unit	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q
1,1,1,2-Tetrachloroethane	630-20-6	NE	NE		ND< 14	ug/m3	U	ND< 12	ug/m3	U	ND< 12	ug/m3	U	ND< 1.2	ug/m3	U	ND< 12	ug/m3	U
1,1,1-Trichloroethane	71-55-6	0.3	41	ug/m3	ND< 11	ug/m3	U	ND< 9.2	ug/m3	U	ND< 9.8	ug/m3	U	ND< 0.92	ug/m3	U	ND< 9.2	ug/m3	U
1,1,2,2-Tetrachloroethane	79-34-5	0.25	0.8	ug/m3	ND< 14	ug/m3	U	ND< 12	ug/m3	U	ND< 12	ug/m3	U	ND< 1.2	ug/m3	U	ND< 12	ug/m3	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NE	NE		ND< 15	ug/m3	U	ND< 13	ug/m3	U	ND< 14	ug/m3	U	ND< 1.3	ug/m3	U	ND< 13	ug/m3	U
1,1,2-Trichloroethane	79-00-5	0.25	1	ug/m3	ND< 11	ug/m3	U	ND< 9.2	ug/m3	U	ND< 9.8	ug/m3	U	ND< 0.92	ug/m3	U	ND< 9.2	ug/m3	U
1,1-Dichloroethane	75-34-3	0.25	0.4	ug/m3	ND< 8.2	ug/m3	U	ND< 6.8	ug/m3	U	ND< 7.3	ug/m3	U	ND< 0.68	ug/m3	U	ND< 6.8	ug/m3	U
1,1-Dichloroethene	75-35-4	0.25	6.3	ug/m3	ND< 8	ug/m3	U	ND< 6.7	ug/m3	U	ND< 7.1	ug/m3	U	ND< 0.67	ug/m3	U	ND< 6.7	ug/m3	U
1,2,4-Trichlorobenzene	120-82-1	0.25	26	ug/m3	ND< 15	ug/m3	U	ND< 13	ug/m3	U	ND< 13	ug/m3	U	ND< 1.3	ug/m3	U	ND< 13	ug/m3	U
1,2,4-Trimethylbenzene	95-63-6	1.9	35	ug/m3	ND< 9.9	ug/m3	U	ND< 8.3	ug/m3	U	**510**	**ug/m3**	**D**	1.3	ug/m3	D	ND< 8.3	ug/m3	U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.25	0.25	ug/m3	ND< 15	ug/m3	U	ND< 13	ug/m3	U	ND< 14	ug/m3	U	ND< 1.3	ug/m3	U	ND< 13	ug/m3	U
1,2-Dichlorobenzene	95-50-1	0.25	2.3	ug/m3	ND< 12	ug/m3	U	ND< 10	ug/m3	U	ND< 11	ug/m3	U	ND< 1	ug/m3	U	ND< 10	ug/m3	U
1,2-Dichloroethane	107-06-2	0.25	0.4	ug/m3	ND< 8.2	ug/m3	U	ND< 6.8	ug/m3	U	ND< 7.3	ug/m3	U	ND< 0.68	ug/m3	U	ND< 6.8	ug/m3	U
1,2-Dichloropropane	78-87-5	0.25	9	ug/m3	ND< 9.3	ug/m3	U	ND< 7.8	ug/m3	U	ND< 8.3	ug/m3	U	ND< 0.78	ug/m3	U	ND< 7.8	ug/m3	U
1,2-Dichlorotetrafluoroethane	76-14-2	0.25	23	ug/m3	ND< 14	ug/m3	U	ND< 12	ug/m3	U	ND< 13	ug/m3	U	ND< 1.2	ug/m3	U	ND< 12	ug/m3	U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	0.6	25	ug/m3	ND< 9.9	ug/m3	U	ND< 8.3	ug/m3	U	**530**	**ug/m3**	**D**	ND< 0.83	ug/m3	U	ND< 8.3	ug/m3	U
1,3-Butadiene	106-99-0	NE	NE		ND< 26	ug/m3	U	ND< 22	ug/m3	U	ND< 23	ug/m3	U	ND< 2.2	ug/m3	U	ND< 22	ug/m3	U
1,3-Dichlorobenzene	541-73-1	0.25	1.6	ug/m3	ND< 12	ug/m3	U	ND< 10	ug/m3	U	ND< 11	ug/m3	U	ND< 1	ug/m3	U	ND< 10	ug/m3	U
1,3-Dichloropropane	142-28-9	NE	NE		ND< 9.3	ug/m3	U	ND< 7.8	ug/m3	U	ND< 8.3	ug/m3	U	ND< 0.78	ug/m3	U	ND< 7.8	ug/m3	U
1,4-Dichlorobenzene	106-46-7	0.25	25	ug/m3	ND< 12	ug/m3	U	ND< 10	ug/m3	U	ND< 11	ug/m3	U	ND< 1	ug/m3	U	ND< 10	ug/m3	U
1,4-Dioxane (P-Dioxane)	123-91-1	NE	NE		ND< 15	ug/m3	U	ND< 12	ug/m3	U	ND< 13	ug/m3	U	ND< 1.2	ug/m3	U	ND< 12	ug/m3	U
2-Hexanone	591-78-6	0.3	16	ug/m3	ND< 17	ug/m3	U	ND< 14	ug/m3	U	ND< 15	ug/m3	U	ND< 1.4	ug/m3	U	ND< 14	ug/m3	U
4-Ethyltoluene	622-96-8	2.1	120	ug/m3	ND< 9.9	ug/m3	U	ND< 8.3	ug/m3	U	**430**	**ug/m3**	**D**	0.99	ug/m3	D	ND< 8.3	ug/m3	U
Acetone	67-64-1	21	200	ug/m3	20	ug/m3	D	**120**	**ug/m3**	**D**	**130**	**ug/m3**	**D**	**24**	**ug/m3**	**D**	**160**	**ug/m3**	**D**
Acrylonitrile	107-13-1	NE	NE		ND< 4.4	ug/m3	U	ND< 3.7	ug/m3	U	ND< 3.9	ug/m3	U	ND< 0.37	ug/m3	U	ND< 3.7	ug/m3	U
Allyl Chloride (3-Chloropropene)	107-05-1	NE	NE		ND< 32	ug/m3	U	ND< 26	ug/m3	U	ND< 28	ug/m3	U	ND< 2.6	ug/m3	U	ND< 26	ug/m3	U
Benzene	71-43-2	2.1	120	ug/m3	ND< 6.4	ug/m3	U	**6.5**	**ug/m3**	**D**	**8.1**	**ug/m3**	**D**	ND< 0.54	ug/m3	U	ND< 5.4	ug/m3	U
Benzyl Chloride	100-44-7	NE	NE		ND< 10	ug/m3	U	ND< 8.7	ug/m3	U	ND< 9.3	ug/m3	U	ND< 0.87	ug/m3	U	ND< 8.7	ug/m3	U
Bromodichloromethane	75-27-4	NE	NE		ND< 13	ug/m3	U	ND< 10	ug/m3	U	ND< 11	ug/m3	U	ND< 1	ug/m3	U	ND< 10	ug/m3	U
Bromoethene/ Vinyl Bromide	593-60-2	NE	NE		ND< 8.8	ug/m3	U	ND< 7.4	ug/m3	U	ND< 7.9	ug/m3	U	ND< 0.74	ug/m3	U	ND< 7.4	ug/m3	U
Bromoform	75-25-2	NE	NE		ND< 21	ug/m3	U	ND< 17	ug/m3	U	ND< 19	ug/m3	U	ND< 1.7	ug/m3	U	ND< 17	ug/m3	U
Bromomethane	74-83-9	0.25	3.2	ug/m3	ND< 7.8	ug/m3	U	ND< 6.5	ug/m3	U	ND< 7	ug/m3	U	ND< 0.65	ug/m3	U	ND< 6.5	ug/m3	U
Carbon Disulfide	75-15-0	NE	NE		ND< 6.3	ug/m3	U	ND< 5.3	ug/m3	U	ND< 5.6	ug/m3	U	1.5	ug/m3	D	ND< 5.3	ug/m3	U
Carbon Tetrachloride	56-23-5	0.25	3.2	ug/m3	ND< 3.2	ug/m3	U	ND< 2.7	ug/m3	U	ND< 2.8	ug/m3	U	ND< 0.27	ug/m3	U	ND< 2.7	ug/m3	U
Chlorobenzene	108-90-7	0.25	3.2	ug/m3	ND< 9.3	ug/m3	U	ND< 7.8	ug/m3	U	ND< 8.3	ug/m3	U	ND< 0.78	ug/m3	U	ND< 7.8	ug/m3	U
Chloroethane	75-00-3	0.25	0.9	ug/m3	ND< 5.3	ug/m3	U	ND< 4.4	ug/m3	U	ND< 4.7	ug/m3	U	ND< 0.44	ug/m3	U	ND< 4.4	ug/m3	U
Chloroform	67-66-3	0.25	13	ug/m3	ND< 9.8	ug/m3	U	ND< 8.2	ug/m3	U	ND< 8.8	ug/m3	U	**2.5**	**ug/m3**	**D**	ND< 8.2	ug/m3	U
Chloromethane	74-87-3	0.5	14	ug/m3	ND< 4.2	ug/m3	U	ND< 3.5	ug/m3	U	ND< 3.7	ug/m3	U	ND< 0.35	ug/m3	U	ND< 3.5	ug/m3	U
Cis-1,2-Dichloroethylene	156-59-2	0.25	4.6	ug/m3	ND< 8	ug/m3	U	ND< 6.7	ug/m3	U	ND< 7.1	ug/m3	U	ND< 0.67	ug/m3	U	ND< 6.7	ug/m3	U
Cis-1,3-Dichloropropene	10061-01-5	0.25	2.1	ug/m3	ND< 9.1	ug/m3	U	ND< 7.7	ug/m3	U	ND< 8.2	ug/m3	U	ND< 0.77	ug/m3	U	ND< 7.7	ug/m3	U
Cyclohexane	110-82-7	0.8	88	ug/m3	ND< 6.9	ug/m3	U	**17**	**ug/m3**	**D**	**110**	**ug/m3**	**D**	**1.5**	**ug/m3**	**D**	ND< 5.8	ug/m3	U
Dibromochloromethane	124-48-1	NE	NE		ND< 16	ug/m3	U	ND< 14	ug/m3	U	ND< 14	ug/m3	U	ND< 1.4	ug/m3	U	ND< 14	ug/m3	U
Dichlorodifluoromethane	75-71-8	0.25	180	ug/m3	ND< 10	ug/m3	U	ND< 8.3	ug/m3	U	ND< 8.9	ug/m3	U	**2.8**	**ug/m3**	**D**	ND< 8.3	ug/m3	U
Ethyl Acetate	141-78-6	NE	NE		ND< 15	ug/m3	U	ND< 12	ug/m3	U	ND< 13	ug/m3	U	ND< 1.2	ug/m3	U	ND< 12	ug/m3	U
Ethylbenzene	100-41-4	1	26	ug/m3	ND< 8.8	ug/m3	U	ND< 7.3	ug/m3	U	**51**	**ug/m3**	**D**	ND< 0.73	ug/m3	U	ND< 7.3	ug/m3	U
Hexachlorobutadiene	87-68-3	0.25	29	ug/m3	ND< 22	ug/m3	U	ND< 18	ug/m3	U	ND< 19	ug/m3	U	ND< 1.8	ug/m3	U	ND< 18	ug/m3	U
Isopropanol	67-63-0	NE	NE		ND< 9.9	ug/m3	U	ND< 8.3	ug/m3	U	ND< 8.8	ug/m3	U	ND< 0.83	ug/m3	U	ND< 8.3	ug/m3	U
M,P-Xylene	179601-23-1	NE	NE		ND< 18	ug/m3	U	18	ug/m3	D	320	ug/m3	D	2.6	ug/m3	D	ND< 15	ug/m3	U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	3.4	79	ug/m3	ND< 5.9	ug/m3	U	**380**	**ug/m3**	**D**	**130**	**ug/m3**	**D**	2.6	ug/m3	D	**8.5**	**ug/m3**	**D**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	0.3	16	ug/m3	ND< 8.3	ug/m3	U	ND< 6.9	ug/m3	U	ND< 7.4	ug/m3	U	ND< 0.69	ug/m3	U	ND< 6.9	ug/m3	U
Methyl Methacrylate	80-62-6	NE	NE		ND< 8.3	ug/m3	U	ND< 6.9	ug/m3	U	ND< 7.4	ug/m3	U	ND< 0.69	ug/m3	U	ND< 6.9	ug/m3	U
Methyl Tert-Butyl Ether (MTBE)	1634-04-4	0.8	230	ug/m3	ND< 7.3	ug/m3	U	ND< 6.1	ug/m3	U	ND< 6.5	ug/m3	U	**1.3**	**ug/m3**	**D**	ND< 6.1	ug/m3	U
Methylene Chloride	75-09-2	1.4	310	ug/m3	ND< 14	ug/m3	U	ND< 12	ug/m3	U	ND< 13	ug/m3	U	ND< 1.2	ug/m3	U	ND< 12	ug/m3	U
N-Heptane	142-82-5	2.8	72	ug/m3	ND< 8.3	ug/m3	U	**35**	**ug/m3**	**D**	**83**	**ug/m3**	**D**	**4.9**	**ug/m3**	**D**	ND< 6.9	ug/m3	U
N-Hexane	110-54-3	1.6	93	ug/m3	ND< 7.1	ug/m3	U	**11**	**ug/m3**	**D**	**9.5**	**ug/m3**	**D**	**5.3**	**ug/m3**	**D**	ND< 5.9	ug/m3	U
O-Xylene (1,2-Dimethylbenzene)	95-47-6	1.1	32	ug/m3	ND< 8.8	ug/m3	U	**7.3**	**ug/m3**	**D**	**310**	**ug/m3**	**D**	**1.2**	**ug/m3**	**D**	ND< 7.3	ug/m3	U
Propylene	115-07-1	NE	NE		81	ug/m3	D	ND< 2.9	ug/m3	U	ND< 3.1	ug/m3	U	ND< 0.29	ug/m3	U	ND< 2.9	ug/m3	U
Styrene	100-42-5	0.3	6.2	ug/m3	ND< 8.6	ug/m3	U	ND< 7.2	ug/m3	U	ND< 7.7	ug/m3	U	ND< 0.72	ug/m3	U	ND< 7.2	ug/m3	U
Tetrachloroethylene (PCE)	127-18-4	0.3	20	ug/m3	**1200**	**ug/m3**	**D**	**250**	**ug/m3**	**D**	**3600**	**ug/m3**	**D**	ND< 0.29	ug/m3	U	ND< 2.9	ug/m3	U
Tetrahydrofuran	109-99-9	0.25	19	ug/m3	ND< 12	ug/m3	U	ND< 9.9	ug/m3	U	ND< 11	ug/m3	U	ND< 0.99	ug/m3	U	ND< 9.9	ug/m3	U
Toluene	108-88-3	9.6	300	ug/m3	ND< 7.6	ug/m3	U	**41**	**ug/m3**	**D**	**66**	**ug/m3**	**D**	2.5	ug/m3	D	ND< 6.4	ug/m3	U
Trans-1,2-Dichloroethene	156-60-5	NE	NE		ND< 8	ug/m3	U	ND< 6.7	ug/m3	U	ND< 7.1	ug/m3	U	ND< 0.67	ug/m3	U	ND< 6.7	ug/m3	U
Trans-1,3-Dichloropropene	10061-02-6	0.25	0.25	ug/m3	ND< 9.1	ug/m3	U	ND< 7.7	ug/m3	U	ND< 8.2	ug/m3	U	ND< 0.77	ug/m3	U	ND< 7.7	ug/m3	U
Trichloroethylene (TCE)	79-01-6	0.25	7.4	ug/m3	**390**	**ug/m3**	**D**	ND< 2.3	ug/m3	U	**34**	**ug/m3**	**D**	ND< 0.23	ug/m3	U	ND< 2.3	ug/m3	U
Trichlorofluoromethane	75-69-4	NE	NE		ND< 11	ug/m3	U	ND< 9.5	ug/m3	U	ND< 10	ug/m3	U	1.6	ug/m3	D	ND< 9.5	ug/m3	U
Vinyl Acetate	108-05-4	NE	NE		ND< 7.1	ug/m3	U	ND< 5.9	ug/m3	U	ND< 6.3	ug/m3	U	ND< 0.59	ug/m3	U	ND< 5.9	ug/m3	U
Vinyl Chloride	75-01-4	0.25	0.8	ug/m3	ND< 5.2	ug/m3	U	ND< 4.3	ug/m3	U	ND< 4.6	ug/m3	U	ND< 0.43	ug/m3	U	ND< 4.3	ug/m3	U

Notes:

Standards are for respective NYSDOH Indoor Air Guidance Values

All concentrations are in ppbv unless otherwise indicated;

Yellow shading indicates value exceeding Median concentration and red shading indicates value exceeding Indoor Median Concentration;

Red shading indicates value exceeding Median concentration and red shading indicates value exceeding 99th Percentile Concentration;

NE = No standard established.

MDL = Method Detection Limit

ND= Not detected at MDL for sample.

BORING LOGS

PVE Sheffler
48 Springside Avenue
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(845) 454-2544

SOIL BORING LOG

BOREHOLE NO.: **SB-01**

TOTAL DEPTH: **16'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	**560999**	DRILLING CO.:	**Eastern**
SITE LOCATION:	**1125 Whitlock Avenue, Bronx, NY**	RIG TYPE:	**Geoprobe 540M**
LOGGED BY:	**Anthony Spadavecchia**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Christopher Brown**	SAMPLING METHODS:	**4' Macro Core**
DATES DRILLED:	**02-02-16**	HAMMER WT./DROP	**N/A**
		DEPTH TO WATER	**N/A**

NOTES:

▽ Water level during drilling

DEPTH (FT)	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
00		ASPHALT: Asphalt		
		SM: Light brown fine sand.		
		SW: Brown, coarse, well graded sand.		
		SW: Brown, coarse, well graded sand.		
		SM: Brown, fine sand silt mixtures.		
		SW: Brown, coarse, well graded sand.		
10		SM: Brown, fine, sand silt mixtures.		
		SW: Brown, coarse, well graded sand.		
		ML: Brown, silty or clayey fine sands; moist.	Sampled 13-15'	0.4ppm
		Rock: Rock.		

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SOIL BORING LOG

BOREHOLE NO.: **SB-02**

TOTAL DEPTH: **16'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	**560999**	DRILLING CO.:	**Eastern**
SITE LOCATION:	**1125 Whitlock Avenue, Bronx, NY**	RIG TYPE:	**Geoprobe 540M**
LOGGED BY:	**Anthony Spadavecchia**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Christopher Brown**	SAMPLING METHODS:	**4' Macro Core**
DATES DRILLED:	**02-02-16**	HAMMER WT./DROP	**N/A**
		DEPTH TO WATER	**N/A**

NOTES:

▽ Water level during drilling

DEPTH (FT)	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
00		ASPHALT: Asphalt		
		GW: Brown, medium coarse, well graded sand mixtures.		
		GW: Brown, medium coarse, well graded sand mixtures.		
		SM: Brown sand, some silt; sand silt mixtures.	Sampled 6-8'	0.5ppm
		SM: Brown sand, some silt; sand silt mixtures; staining observed; no odor; PID readings were low.		
		SW: Blue-grayish sand; medium coarse; well graded sands.		
10		SW: Blue-grayish sand; medium coarse; well graded sands.		
		ML: Brown, fine sand; some silt; moist.		

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SOIL BORING LOG

BOREHOLE NO.: **SB-03**

TOTAL DEPTH: **8.5'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	**560999**	DRILLING CO.:	**Eastern**
SITE LOCATION:	**1125 Whitlock Avenue, Bronx, NY**	RIG TYPE:	**Geoprobe 540M**
LOGGED BY:	**Anthony Spadavecchia**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Christopher Brown**	SAMPLING METHODS:	**4' Macro Core**
DATES DRILLED:	**02-02-16**	HAMMER WT./DROP	**N/A**
		DEPTH TO WATER	**N/A**

NOTES:
Refusal at 4.5'; redrilled until refusal at 8.5'

▽ Water level during drilling

DEPTH (FT)	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
00		ASPHALT: Asphalt.		
		SW: Brown, well graded, medium coarse sands.		
		SM: Sand-silt mixtures; moist.		
		SM: Sand-silt mixtures; moist.		
		ML: Brown, silty fine sands; trace of crushed rock; moist.	Sampled 6-8'	0.4ppm
		ML: Brown, silty fine sands; trace of crushed rock; moist.		

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SOIL BORING LOG

BOREHOLE NO.: **SB-04**

TOTAL DEPTH: **16'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	**560999**	DRILLING CO.:	**Eastern**
SITE LOCATION:	**1125 Whitlock Avenue, Bronx, NY**	RIG TYPE:	**Geoprobe 540M**
LOGGED BY:	**Anthony Spadavecchia**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Christopher Brown**	SAMPLING METHODS:	**4' Macro Core**
DATES DRILLED:	**02-02-16**	HAMMER WT./DROP	**N/A**
		DEPTH TO WATER	**N/A**

NOTES:

▽ Water level during drilling

DEPTH (FT)	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
00		ASPHALT: Asphalt.		
		SM: Brown, silty sand mixtures; crushed rock fragments throughout.		
		SM: Brown, silty sand mixtures; crushed rock fragments throughout.		
		SM: Brown, silty sand mixtures.		
10		SM: Brown, silty sand mixtures.	Sampled 13-15'	0.0ppm
		SM: Gray sand; silty sand mixtures.		

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SOIL BORING LOG

BOREHOLE NO.: **SB-05**

TOTAL DEPTH: **16'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	**560999**	DRILLING CO.:	**Eastern**
SITE LOCATION:	**1125 Whitlock Avenue, Bronx, NY**	RIG TYPE:	**Geoprobe 540M**
LOGGED BY:	**Anthony Spadavecchia**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Christopher Brown**	SAMPLING METHODS:	**4' Macro Core**
DATES DRILLED:	**02-02-16**	HAMMER WT./DROP	**N/A**
		DEPTH TO WATER	**N/A**

NOTES:

▽ Water level during drilling

DEPTH (FT)	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
00		ASPHALT: Asphalt and crushed rock.		
		SM: Brown, silty sand mixtures; crushed rock fragments throughout.		
		SM: Brown, silty sand mixtures; crushed rock fragments throughout.		
		SM: Brown, silty sand mixtures.		
		SM: Brown, silty sand mixtures; crushed rock fragments throughout.		
10		SM: Gray sand silt mixtures.	Sampled 13-14'	0.4ppm
		SM: Brown sand silt mixtures; saturated.		

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SOIL BORING LOG

BOREHOLE NO.: **SB-06**

TOTAL DEPTH: **16'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	**560999**	DRILLING CO.:	**Eastern**
SITE LOCATION:	**1125 Whitlock Avenue, Bronx, NY**	RIG TYPE:	**Geoprobe 540M**
LOGGED BY:	**Anthony Spadavecchia**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Christopher Brown**	SAMPLING METHODS:	**4' Macro Core**
DATES DRILLED:	**02-02-16**	HAMMER WT./DROP	**N/A**
		DEPTH TO WATER	**N/A**

NOTES:

▽ Water level during drilling

DEPTH (FT)	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
00		ASPHALT: Asphalt.		
		SW: Dark brown well graded sand; crushed rock throughout.		
		FILL: Dark brown well graded sand; historic fill (coal and brick) fragments throughout.		
		FILL: Brown gray sand; historic fill; little gravel/rock fragments throughout.		
10		Sluff: Sluff.		
		SM: Brown silty sand; saturated.	Sampled 13-14'	0.4ppm
		ML: Dark gray silty fine sands.		

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SOIL BORING LOG

BOREHOLE NO.: **SB-07**

TOTAL DEPTH: **3.5'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	**560999**	DRILLING CO.:	**Eastern**
SITE LOCATION:	**1125 Whitlock Avenue, Bronx, NY**	RIG TYPE:	**Geoprobe 540M**
LOGGED BY:	**Anthony Spadavecchia**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Christopher Brown**	SAMPLING METHODS:	**4' Macro Core**
DATES DRILLED:	**02-02-16**	HAMMER WT./DROP	**N/A**
		DEPTH TO WATER	**N/A**

NOTES:
Refusal at 3', redrill to refusal at 3.5'

⧖ Water level during drilling

DEPTH (FT)	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
00		ASPHALT: Concrete.		
		SM: Brown sand silt mixtures; slight odor, low PID reading.	Sampled 3-3.5'	9.4ppm

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SOIL BORING LOG

BOREHOLE NO.: **SB-08**

TOTAL DEPTH: **16'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	**560999**	DRILLING CO.:	**Eastern**
SITE LOCATION:	**1125 Whitlock Avenue, Bronx, NY**	RIG TYPE:	**Geoprobe 540M**
LOGGED BY:	**Anthony Spadavecchia**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Christopher Brown**	SAMPLING METHODS:	**4' Macro Core**
DATES DRILLED:	**02-02-16**	HAMMER WT./DROP	**N/A**
		DEPTH TO WATER	**N/A**

NOTES:

▽ Water level during drilling

DEPTH (FT)	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
00		CEMENT: Concrete.		
		SW: Brown, medium coarse sand; crushed rock fragments throughout.		
		SW: Brown sand; trace of brick fragments throughout.		
		SW: Wet brown sand; trace of crushed rock throughout.	Sampled 9-10'	0.9ppm
10		ML: Light brown, silty fine sands; moist.		
		ML: Dark gray, silty fine sands; saturated.		
		SW: Brown sand.		

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SOIL BORING LOG

BOREHOLE NO.: **SB-09**

TOTAL DEPTH: **9'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	**560999**	DRILLING CO.:	**Eastern**
SITE LOCATION:	**1125 Whitlock Avenue, Bronx, NY**	RIG TYPE:	**Geoprobe 6610DT**
LOGGED BY:	**Anthony Spadavecchia**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Christopher Brown**	SAMPLING METHODS:	**5' Macro Core**
DATES DRILLED:	**02-03-16**	HAMMER WT./DROP	**N/A**
		DEPTH TO WATER	**N/A**

NOTES:
Refusal at 8', redrilled to refusal at 9'

⧖ Water level during drilling

DEPTH (FT)	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
00		FILL: Historic fill, some brick, coal, brown silty sand; rock fragments throughout.		
		Rock: Black rock.		
		SM: Light brown silty sand.		
		FILL: Historic fill, brown silty sand; trace of brick throughtout; some slag.	Sampled 6-8'	1.5ppm

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SOIL BORING LOG

BOREHOLE NO.: **SB-10**

TOTAL DEPTH: **15'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	**560999**	DRILLING CO.:	**Eastern**
SITE LOCATION:	**1125 Whitlock Avenue, Bronx, NY**	RIG TYPE:	**Geoprobe 6610DT**
LOGGED BY:	**Anthony Spadavecchia**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Christopher Brown**	SAMPLING METHODS:	**5' Macro Core**
DATES DRILLED:	**02-03-16**	HAMMER WT./DROP	**N/A**
		DEPTH TO WATER	**N/A**

NOTES:

▽ Water level during drilling

DEPTH (FT)	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
00		CEMENT: Cement.		
		SM: Brown silty sand.		
		SM: Brown silty sand.		
		ASH: Coal ash.		
		SM: Brown sand with silt; trace of brick throughout.		
10		SM: Brown silty sand; some slag.		
		ML: Silty sands with some clays.	Sampled 12-14'	1.5ppm

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SOIL BORING LOG

BOREHOLE NO.: **SB-11**

TOTAL DEPTH: **15'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	**560999**	DRILLING CO.:	**Eastern**
SITE LOCATION:	**1125 Whitlock Avenue, Bronx, NY**	RIG TYPE:	**Geoprobe 6610DT**
LOGGED BY:	**Anthony Spadavecchia**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Christopher Brown**	SAMPLING METHODS:	**5' Macro Core**
DATES DRILLED:	**02-03-16**	HAMMER WT./DROP	**N/A**
		DEPTH TO WATER	**N/A**

NOTES:

⧖ Water level during drilling

DEPTH (FT)	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
00		CEMENT: Cement.		
		FILL: Historic fill, light brown silty sand; some coal ash.	Sampled 3-4'	0.0ppm
		ML: Brown silty clays with a trace of sand.		
		SM: Dark gray sand with silt.		
		SM: Brown fine sand with silt.		
10		FILL: Historic fill with light brown sand.		
		SM: Dark gray silty sand.	Sampled 11-13'	0.0ppm
		ML: Clayey fine sands.		

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SOIL BORING LOG

BOREHOLE NO.: **SB-12**

TOTAL DEPTH: **7'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	**560999**	DRILLING CO.:	**Eastern**
SITE LOCATION:	**1125 Whitlock Avenue, Bronx, NY**	RIG TYPE:	**Geoprobe 6610DT**
LOGGED BY:	**Anthony Spadavecchia**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Christopher Brown**	SAMPLING METHODS:	**5' Macro Core**
DATES DRILLED:	**02-03-16**	HAMMER WT./DROP	**N/A**
		DEPTH TO WATER	**N/A**

NOTES:
Refusal at 5', redrilled until refusal at 7'

▽ Water level during drilling

DEPTH (FT)	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
00		CEMENT: Cement; some slag.		
		SM: Brown silty sand.	Sampled 0-2'	0.3ppm
		SM: Brown silty sand.		

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SOIL BORING LOG

BOREHOLE NO.: **SB-13**

TOTAL DEPTH: **3'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	**560999**	DRILLING CO.:	**Eastern**
SITE LOCATION:	**1125 Whitlock Avenue, Bronx, NY**	RIG TYPE:	**Geoprobe 6610DT**
LOGGED BY:	**Anthony Spadavecchia**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**Christopher Brown**	SAMPLING METHODS:	**5' Macro Core**
DATES DRILLED:	**02-03-16**	HAMMER WT./DROP	**N/A**
		DEPTH TO WATER	**N/A**

NOTES:
Refusal at 2', redrilled twice until refusal at 3'

⧖ Water level during drilling

DEPTH (FT)	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
00		CEMENT: Cement.		
		SM: Brown silty sand.	Sampled 0-2'	0.2ppm

ANALYTICAL

PARADIGM

ENVIRONMENTAL SERVICES, INC.

Analytical Report For

PVE Sheffler

For Lab Project ID

160468

Referencing

560999

Prepared

Wednesday, February 10, 2016

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

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

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-01 20160202
Lab Sample ID: 160468-01 **Date Sampled:** 2/2/2016
Matrix: Soil **Date Received:** 2/3/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0291**	mg/Kg		2/9/2016 11:48

Method Reference(s): EPA 7471B
Preparation Date: 2/6/2016
Data File: Hg160219A

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**18800**	mg/Kg		2/9/2016 11:28
Antimony	< 3.56	mg/Kg		2/9/2016 11:28
Arsenic	**1.30**	mg/Kg		2/10/2016 09:50
Barium	**90.7**	mg/Kg		2/9/2016 11:28
Beryllium	**0.618**	mg/Kg		2/9/2016 11:28
Cadmium	< 0.296	mg/Kg		2/9/2016 11:28
Calcium	**1310**	mg/Kg		2/9/2016 11:28
Chromium	**25.6**	mg/Kg		2/9/2016 11:28
Cobalt	**15.5**	mg/Kg		2/9/2016 11:28
Copper	**17.1**	mg/Kg		2/9/2016 11:28
Iron	**26700**	mg/Kg		2/9/2016 11:28
Lead	**9.43**	mg/Kg		2/9/2016 11:28
Magnesium	**5030**	mg/Kg		2/9/2016 11:28
Manganese	**740**	mg/Kg		2/9/2016 11:33
Nickel	**24.2**	mg/Kg		2/9/2016 11:28
Potassium	**2610**	mg/Kg		2/9/2016 11:28
Selenium	< 0.593	mg/Kg		2/9/2016 11:28
Silver	< 0.593	mg/Kg		2/9/2016 11:28
Sodium	< 148	mg/Kg		2/9/2016 11:28
Thallium	< 1.48	mg/Kg		2/10/2016 10:42
Vanadium	**40.9**	mg/Kg		2/9/2016 11:28
Zinc	**61.3**	mg/Kg		2/9/2016 11:28

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-01 20160202		
Lab Sample ID:	160468-01	**Date Sampled:**	2/2/2016
Matrix:	Soil	**Date Received:**	2/3/2016

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 2/5/2016
Data File: 020916b

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 339	ug/Kg		2/8/2016 12:38
Acenaphthylene	< 339	ug/Kg		2/8/2016 12:38
Anthracene	< 339	ug/Kg		2/8/2016 12:38
Benzo (a) anthracene	< 339	ug/Kg		2/8/2016 12:38
Benzo (a) pyrene	< 339	ug/Kg		2/8/2016 12:38
Benzo (b) fluoranthene	< 339	ug/Kg		2/8/2016 12:38
Benzo (g,h,i) perylene	< 339	ug/Kg		2/8/2016 12:38
Benzo (k) fluoranthene	< 339	ug/Kg		2/8/2016 12:38
Chrysene	< 339	ug/Kg		2/8/2016 12:38
Dibenz (a,h) anthracene	< 339	ug/Kg		2/8/2016 12:38
Fluoranthene	< 339	ug/Kg		2/8/2016 12:38
Fluorene	< 339	ug/Kg		2/8/2016 12:38
Indeno (1,2,3-cd) pyrene	< 339	ug/Kg		2/8/2016 12:38
Naphthalene	< 339	ug/Kg		2/8/2016 12:38
Phenanthrene	< 339	ug/Kg		2/8/2016 12:38
Pyrene	< 339	ug/Kg		2/8/2016 12:38

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**42.1**	22 - 96.1		2/8/2016 12:38
Nitrobenzene-d5	**39.0**	11.6 - 83.3		2/8/2016 12:38
Terphenyl-d14	**76.9**	60.4 - 114		2/8/2016 12:38

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 2/8/2016
Data File: B10010.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-01 20160202
Lab Sample ID: 160468-01 **Date Sampled:** 2/2/2016
Matrix: Soil **Date Received:** 2/3/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 9.23	ug/Kg		2/8/2016 16:43
1,1,2,2-Tetrachloroethane	< 9.23	ug/Kg		2/8/2016 16:43
1,1,2-Trichloroethane	< 9.23	ug/Kg		2/8/2016 16:43
1,1-Dichloroethane	< 9.23	ug/Kg		2/8/2016 16:43
1,1-Dichloroethene	< 9.23	ug/Kg		2/8/2016 16:43
1,2,3-Trichlorobenzene	< 23.1	ug/Kg		2/8/2016 16:43
1,2,4-Trichlorobenzene	< 23.1	ug/Kg		2/8/2016 16:43
1,2-Dibromo-3-Chloropropane	< 46.2	ug/Kg		2/8/2016 16:43
1,2-Dibromoethane	< 9.23	ug/Kg		2/8/2016 16:43
1,2-Dichlorobenzene	< 9.23	ug/Kg		2/8/2016 16:43
1,2-Dichloroethane	< 9.23	ug/Kg		2/8/2016 16:43
1,2-Dichloropropane	< 9.23	ug/Kg		2/8/2016 16:43
1,3-Dichlorobenzene	< 9.23	ug/Kg		2/8/2016 16:43
1,4-Dichlorobenzene	< 9.23	ug/Kg		2/8/2016 16:43
1,4-dioxane	< 92.3	ug/Kg		2/8/2016 16:43
2-Butanone	< 46.2	ug/Kg		2/8/2016 16:43
2-Hexanone	< 23.1	ug/Kg		2/8/2016 16:43
4-Methyl-2-pentanone	< 23.1	ug/Kg		2/8/2016 16:43
Acetone	< 46.2	ug/Kg		2/8/2016 16:43
Benzene	< 9.23	ug/Kg		2/8/2016 16:43
Bromochloromethane	< 23.1	ug/Kg		2/8/2016 16:43
Bromodichloromethane	< 9.23	ug/Kg		2/8/2016 16:43
Bromoform	< 23.1	ug/Kg		2/8/2016 16:43
Bromomethane	< 9.23	ug/Kg		2/8/2016 16:43
Carbon disulfide	< 9.23	ug/Kg		2/8/2016 16:43
Carbon Tetrachloride	< 9.23	ug/Kg		2/8/2016 16:43
Chlorobenzene	< 9.23	ug/Kg		2/8/2016 16:43
Chloroethane	< 9.23	ug/Kg		2/8/2016 16:43
Chloroform	< 9.23	ug/Kg		2/8/2016 16:43

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-01 20160202
Lab Sample ID: 160468-01 **Date Sampled:** 2/2/2016
Matrix: Soil **Date Received:** 2/3/2016

Chloromethane	< 9.23	ug/Kg	2/8/2016	16:43
cis-1,2-Dichloroethene	< 9.23	ug/Kg	2/8/2016	16:43
cis-1,3-Dichloropropene	< 9.23	ug/Kg	2/8/2016	16:43
Cyclohexane	< 46.2	ug/Kg	2/8/2016	16:43
Dibromochloromethane	< 9.23	ug/Kg	2/8/2016	16:43
Dichlorodifluoromethane	< 9.23	ug/Kg	2/8/2016	16:43
Ethylbenzene	< 9.23	ug/Kg	2/8/2016	16:43
Freon 113	< 9.23	ug/Kg	2/8/2016	16:43
Isopropylbenzene	< 9.23	ug/Kg	2/8/2016	16:43
m,p-Xylene	< 9.23	ug/Kg	2/8/2016	16:43
Methyl acetate	< 9.23	ug/Kg	2/8/2016	16:43
Methyl tert-butyl Ether	< 9.23	ug/Kg	2/8/2016	16:43
Methylcyclohexane	< 9.23	ug/Kg	2/8/2016	16:43
Methylene chloride	< 23.1	ug/Kg	2/8/2016	16:43
o-Xylene	< 9.23	ug/Kg	2/8/2016	16:43
Styrene	< 23.1	ug/Kg	2/8/2016	16:43
Tetrachloroethene	< 9.23	ug/Kg	2/8/2016	16:43
Toluene	< 9.23	ug/Kg	2/8/2016	16:43
trans-1,2-Dichloroethene	< 9.23	ug/Kg	2/8/2016	16:43
trans-1,3-Dichloropropene	< 9.23	ug/Kg	2/8/2016	16:43
Trichloroethene	< 9.23	ug/Kg	2/8/2016	16:43
Trichlorofluoromethane	< 9.23	ug/Kg	2/8/2016	16:43
Vinyl chloride	< 9.23	ug/Kg	2/8/2016	16:43

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-01 20160202

Lab Sample ID: 160468-01 **Date Sampled:** 2/2/2016

Matrix: Soil **Date Received:** 2/3/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**109**	83 - 126		2/8/2016	16:43
4-Bromofluorobenzene	**93.8**	80.8 - 115		2/8/2016	16:43
Pentafluorobenzene	**95.9**	90.6 - 111		2/8/2016	16:43
Toluene-D8	**98.9**	89.2 - 109		2/8/2016	16:43

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x29483.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-02 20160202		
Lab Sample ID:	160468-02	**Date Sampled:**	2/2/2016
Matrix:	Soil	**Date Received:**	2/3/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.174**	mg/Kg		2/9/2016 11:51

Method Reference(s): EPA 7471B
Preparation Date: 2/6/2016
Data File: Hg160219A

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**14400**	mg/Kg		2/9/2016 11:37
Antimony	< 3.59	mg/Kg		2/9/2016 11:37
Arsenic	**1.63**	mg/Kg		2/10/2016 09:55
Barium	**111**	mg/Kg		2/9/2016 11:37
Beryllium	**0.653**	mg/Kg		2/9/2016 11:37
Cadmium	< 0.299	mg/Kg		2/9/2016 11:37
Calcium	**1750**	mg/Kg		2/9/2016 11:37
Chromium	**24.7**	mg/Kg		2/9/2016 11:37
Cobalt	**12.5**	mg/Kg		2/9/2016 11:37
Copper	**33.2**	mg/Kg		2/9/2016 11:37
Iron	**21400**	mg/Kg		2/9/2016 11:37
Lead	**64.5**	mg/Kg		2/9/2016 11:37
Magnesium	**4270**	mg/Kg		2/9/2016 11:37
Manganese	**398**	mg/Kg		2/9/2016 11:37
Nickel	**21.1**	mg/Kg		2/9/2016 11:37
Potassium	**2340**	mg/Kg		2/9/2016 11:37
Selenium	< 0.599	mg/Kg		2/9/2016 11:37
Silver	< 0.599	mg/Kg		2/9/2016 11:37
Sodium	< 150	mg/Kg		2/9/2016 11:37
Thallium	< 1.50	mg/Kg		2/10/2016 09:55
Vanadium	**37.5**	mg/Kg		2/9/2016 11:37
Zinc	**85.2**	mg/Kg		2/9/2016 11:37

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-02 20160202		
Lab Sample ID:	160468-02	**Date Sampled:**	2/2/2016
Matrix:	Soil	**Date Received:**	2/3/2016

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 2/5/2016
Data File: 020916b

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 343	ug/Kg		2/8/2016 13:06
Acenaphthylene	< 343	ug/Kg		2/8/2016 13:06
Anthracene	< 343	ug/Kg		2/8/2016 13:06
Benzo (a) anthracene	< 343	ug/Kg		2/8/2016 13:06
Benzo (a) pyrene	< 343	ug/Kg		2/8/2016 13:06
Benzo (b) fluoranthene	< 343	ug/Kg		2/8/2016 13:06
Benzo (g,h,i) perylene	< 343	ug/Kg		2/8/2016 13:06
Benzo (k) fluoranthene	< 343	ug/Kg		2/8/2016 13:06
Chrysene	< 343	ug/Kg		2/8/2016 13:06
Dibenz (a,h) anthracene	< 343	ug/Kg		2/8/2016 13:06
Fluoranthene	< 343	ug/Kg		2/8/2016 13:06
Fluorene	< 343	ug/Kg		2/8/2016 13:06
Indeno (1,2,3-cd) pyrene	< 343	ug/Kg		2/8/2016 13:06
Naphthalene	< 343	ug/Kg		2/8/2016 13:06
Phenanthrene	< 343	ug/Kg		2/8/2016 13:06
Pyrene	< 343	ug/Kg		2/8/2016 13:06

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**47.4**	22 - 96.1		2/8/2016 13:06
Nitrobenzene-d5	**42.0**	11.6 - 83.3		2/8/2016 13:06
Terphenyl-d14	**74.2**	60.4 - 114		2/8/2016 13:06

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 2/8/2016
Data File: B10011.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-02 20160202
Lab Sample ID: 160468-02 **Date Sampled:** 2/2/2016
Matrix: Soil **Date Received:** 2/3/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 9.83	ug/Kg		2/8/2016 17:07
1,1,2,2-Tetrachloroethane	< 9.83	ug/Kg		2/8/2016 17:07
1,1,2-Trichloroethane	< 9.83	ug/Kg		2/8/2016 17:07
1,1-Dichloroethane	< 9.83	ug/Kg		2/8/2016 17:07
1,1-Dichloroethene	< 9.83	ug/Kg		2/8/2016 17:07
1,2,3-Trichlorobenzene	< 24.6	ug/Kg		2/8/2016 17:07
1,2,4-Trichlorobenzene	< 24.6	ug/Kg		2/8/2016 17:07
1,2-Dibromo-3-Chloropropane	< 49.2	ug/Kg		2/8/2016 17:07
1,2-Dibromoethane	< 9.83	ug/Kg		2/8/2016 17:07
1,2-Dichlorobenzene	< 9.83	ug/Kg		2/8/2016 17:07
1,2-Dichloroethane	< 9.83	ug/Kg		2/8/2016 17:07
1,2-Dichloropropane	< 9.83	ug/Kg		2/8/2016 17:07
1,3-Dichlorobenzene	< 9.83	ug/Kg		2/8/2016 17:07
1,4-Dichlorobenzene	< 9.83	ug/Kg		2/8/2016 17:07
1,4-dioxane	< 98.3	ug/Kg		2/8/2016 17:07
2-Butanone	**61.7**	ug/Kg		2/8/2016 17:07
2-Hexanone	< 24.6	ug/Kg		2/8/2016 17:07
4-Methyl-2-pentanone	< 24.6	ug/Kg		2/8/2016 17:07
Acetone	**396**	ug/Kg		2/8/2016 17:07
Benzene	< 9.83	ug/Kg		2/8/2016 17:07
Bromochloromethane	< 24.6	ug/Kg		2/8/2016 17:07
Bromodichloromethane	< 9.83	ug/Kg		2/8/2016 17:07
Bromoform	< 24.6	ug/Kg		2/8/2016 17:07
Bromomethane	< 9.83	ug/Kg		2/8/2016 17:07
Carbon disulfide	< 9.83	ug/Kg		2/8/2016 17:07
Carbon Tetrachloride	< 9.83	ug/Kg		2/8/2016 17:07
Chlorobenzene	< 9.83	ug/Kg		2/8/2016 17:07
Chloroethane	< 9.83	ug/Kg		2/8/2016 17:07
Chloroform	< 9.83	ug/Kg		2/8/2016 17:07

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-02 20160202
Lab Sample ID: 160468-02 **Date Sampled:** 2/2/2016
Matrix: Soil **Date Received:** 2/3/2016

Chloromethane	< 9.83	ug/Kg	2/8/2016	17:07
cis-1,2-Dichloroethene	< 9.83	ug/Kg	2/8/2016	17:07
cis-1,3-Dichloropropene	< 9.83	ug/Kg	2/8/2016	17:07
Cyclohexane	< 49.2	ug/Kg	2/8/2016	17:07
Dibromochloromethane	< 9.83	ug/Kg	2/8/2016	17:07
Dichlorodifluoromethane	< 9.83	ug/Kg	2/8/2016	17:07
Ethylbenzene	< 9.83	ug/Kg	2/8/2016	17:07
Freon 113	< 9.83	ug/Kg	2/8/2016	17:07
Isopropylbenzene	< 9.83	ug/Kg	2/8/2016	17:07
m,p-Xylene	< 9.83	ug/Kg	2/8/2016	17:07
Methyl acetate	< 9.83	ug/Kg	2/8/2016	17:07
Methyl tert-butyl Ether	< 9.83	ug/Kg	2/8/2016	17:07
Methylcyclohexane	< 9.83	ug/Kg	2/8/2016	17:07
Methylene chloride	< 24.6	ug/Kg	2/8/2016	17:07
o-Xylene	< 9.83	ug/Kg	2/8/2016	17:07
Styrene	< 24.6	ug/Kg	2/8/2016	17:07
Tetrachloroethene	< 9.83	ug/Kg	2/8/2016	17:07
Toluene	< 9.83	ug/Kg	2/8/2016	17:07
trans-1,2-Dichloroethene	< 9.83	ug/Kg	2/8/2016	17:07
trans-1,3-Dichloropropene	< 9.83	ug/Kg	2/8/2016	17:07
Trichloroethene	< 9.83	ug/Kg	2/8/2016	17:07
Trichlorofluoromethane	< 9.83	ug/Kg	2/8/2016	17:07
Vinyl chloride	< 9.83	ug/Kg	2/8/2016	17:07

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-02 20160202

Lab Sample ID: 160468-02 **Date Sampled:** 2/2/2016

Matrix: Soil **Date Received:** 2/3/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**109**	83 - 126		2/8/2016	17:07
4-Bromofluorobenzene	**91.9**	80.8 - 115		2/8/2016	17:07
Pentafluorobenzene	**94.5**	90.6 - 111		2/8/2016	17:07
Toluene-D8	**99.0**	89.2 - 109		2/8/2016	17:07

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x29484.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-03 20160202		
Lab Sample ID:	160468-03	**Date Sampled:**	2/2/2016
Matrix:	Soil	**Date Received:**	2/3/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.122**	mg/Kg		2/9/2016 11:54

Method Reference(s): EPA 7471B
Preparation Date: 2/6/2016
Data File: Hg160219A

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**15800**	mg/Kg		2/9/2016 11:41
Antimony	< 3.40	mg/Kg		2/9/2016 11:41
Arsenic	**1.68**	mg/Kg		2/10/2016 09:59
Barium	**105**	mg/Kg		2/9/2016 11:41
Beryllium	**0.632**	mg/Kg		2/9/2016 11:41
Cadmium	< 0.283	mg/Kg		2/9/2016 11:41
Calcium	**1630**	mg/Kg		2/9/2016 11:41
Chromium	**25.0**	mg/Kg		2/9/2016 11:41
Cobalt	**19.1**	mg/Kg		2/9/2016 11:41
Copper	**28.1**	mg/Kg		2/9/2016 11:41
Iron	**22100**	mg/Kg		2/9/2016 11:41
Lead	**103**	mg/Kg		2/9/2016 11:41
Magnesium	**5190**	mg/Kg		2/9/2016 11:41
Manganese	**818**	mg/Kg		2/9/2016 11:46
Nickel	**27.9**	mg/Kg		2/9/2016 11:41
Potassium	**2510**	mg/Kg		2/9/2016 11:41
Selenium	< 0.566	mg/Kg		2/9/2016 11:41
Silver	< 0.566	mg/Kg		2/9/2016 11:41
Sodium	< 142	mg/Kg		2/9/2016 11:41
Thallium	< 1.42	mg/Kg		2/10/2016 10:37
Vanadium	**38.9**	mg/Kg		2/9/2016 11:41
Zinc	**80.1**	mg/Kg		2/9/2016 11:41

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-03 20160202		
Lab Sample ID:	160468-03	**Date Sampled:**	2/2/2016
Matrix:	Soil	**Date Received:**	2/3/2016

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 2/5/2016
Data File: 020916b

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 345	ug/Kg		2/9/2016 08:00
Acenaphthylene	< 345	ug/Kg		2/9/2016 08:00
Anthracene	**346**	ug/Kg		2/9/2016 08:00
Benzo (a) anthracene	**1050**	ug/Kg		2/9/2016 08:00
Benzo (a) pyrene	**755**	ug/Kg		2/9/2016 08:00
Benzo (b) fluoranthene	**602**	ug/Kg		2/9/2016 08:00
Benzo (g,h,i) perylene	**399**	ug/Kg		2/9/2016 08:00
Benzo (k) fluoranthene	**524**	ug/Kg		2/9/2016 08:00
Chrysene	**1080**	ug/Kg		2/9/2016 08:00
Dibenz (a,h) anthracene	< 345	ug/Kg		2/9/2016 08:00
Fluoranthene	**1710**	ug/Kg		2/9/2016 08:00
Fluorene	< 345	ug/Kg		2/9/2016 08:00
Indeno (1,2,3-cd) pyrene	**594**	ug/Kg		2/9/2016 08:00
Naphthalene	< 345	ug/Kg		2/9/2016 08:00
Phenanthrene	**1380**	ug/Kg		2/9/2016 08:00
Pyrene	**1850**	ug/Kg		2/9/2016 08:00

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**52.8**	22 - 96.1		2/9/2016 08:00
Nitrobenzene-d5	**46.0**	11.6 - 83.3		2/9/2016 08:00
Terphenyl-d14	**76.3**	60.4 - 114		2/9/2016 08:00

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 2/8/2016
Data File: B10047.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-03 20160202
Lab Sample ID: 160468-03 **Date Sampled:** 2/2/2016
Matrix: Soil **Date Received:** 2/3/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.05	ug/Kg		2/8/2016 17:31
1,1,2,2-Tetrachloroethane	< 7.05	ug/Kg		2/8/2016 17:31
1,1,2-Trichloroethane	< 7.05	ug/Kg		2/8/2016 17:31
1,1-Dichloroethane	< 7.05	ug/Kg		2/8/2016 17:31
1,1-Dichloroethene	< 7.05	ug/Kg		2/8/2016 17:31
1,2,3-Trichlorobenzene	< 17.6	ug/Kg		2/8/2016 17:31
1,2,4-Trichlorobenzene	< 17.6	ug/Kg		2/8/2016 17:31
1,2-Dibromo-3-Chloropropane	< 35.2	ug/Kg		2/8/2016 17:31
1,2-Dibromoethane	< 7.05	ug/Kg		2/8/2016 17:31
1,2-Dichlorobenzene	< 7.05	ug/Kg		2/8/2016 17:31
1,2-Dichloroethane	< 7.05	ug/Kg		2/8/2016 17:31
1,2-Dichloropropane	< 7.05	ug/Kg		2/8/2016 17:31
1,3-Dichlorobenzene	< 7.05	ug/Kg		2/8/2016 17:31
1,4-Dichlorobenzene	< 7.05	ug/Kg		2/8/2016 17:31
1,4-dioxane	< 70.5	ug/Kg		2/8/2016 17:31
2-Butanone	< 35.2	ug/Kg		2/8/2016 17:31
2-Hexanone	< 17.6	ug/Kg		2/8/2016 17:31
4-Methyl-2-pentanone	< 17.6	ug/Kg		2/8/2016 17:31
Acetone	< 35.2	ug/Kg		2/8/2016 17:31
Benzene	< 7.05	ug/Kg		2/8/2016 17:31
Bromochloromethane	< 17.6	ug/Kg		2/8/2016 17:31
Bromodichloromethane	< 7.05	ug/Kg		2/8/2016 17:31
Bromoform	< 17.6	ug/Kg		2/8/2016 17:31
Bromomethane	< 7.05	ug/Kg		2/8/2016 17:31
Carbon disulfide	< 7.05	ug/Kg		2/8/2016 17:31
Carbon Tetrachloride	< 7.05	ug/Kg		2/8/2016 17:31
Chlorobenzene	< 7.05	ug/Kg		2/8/2016 17:31
Chloroethane	< 7.05	ug/Kg		2/8/2016 17:31
Chloroform	< 7.05	ug/Kg		2/8/2016 17:31

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-03 20160202
Lab Sample ID: 160468-03 **Date Sampled:** 2/2/2016
Matrix: Soil **Date Received:** 2/3/2016

Chloromethane	< 7.05	ug/Kg	2/8/2016	17:31
cis-1,2-Dichloroethene	< 7.05	ug/Kg	2/8/2016	17:31
cis-1,3-Dichloropropene	< 7.05	ug/Kg	2/8/2016	17:31
Cyclohexane	< 35.2	ug/Kg	2/8/2016	17:31
Dibromochloromethane	< 7.05	ug/Kg	2/8/2016	17:31
Dichlorodifluoromethane	< 7.05	ug/Kg	2/8/2016	17:31
Ethylbenzene	< 7.05	ug/Kg	2/8/2016	17:31
Freon 113	< 7.05	ug/Kg	2/8/2016	17:31
Isopropylbenzene	< 7.05	ug/Kg	2/8/2016	17:31
m,p-Xylene	< 7.05	ug/Kg	2/8/2016	17:31
Methyl acetate	< 7.05	ug/Kg	2/8/2016	17:31
Methyl tert-butyl Ether	< 7.05	ug/Kg	2/8/2016	17:31
Methylcyclohexane	< 7.05	ug/Kg	2/8/2016	17:31
Methylene chloride	< 17.6	ug/Kg	2/8/2016	17:31
o-Xylene	< 7.05	ug/Kg	2/8/2016	17:31
Styrene	< 17.6	ug/Kg	2/8/2016	17:31
Tetrachloroethene	< 7.05	ug/Kg	2/8/2016	17:31
Toluene	< 7.05	ug/Kg	2/8/2016	17:31
trans-1,2-Dichloroethene	< 7.05	ug/Kg	2/8/2016	17:31
trans-1,3-Dichloropropene	< 7.05	ug/Kg	2/8/2016	17:31
Trichloroethene	< 7.05	ug/Kg	2/8/2016	17:31
Trichlorofluoromethane	< 7.05	ug/Kg	2/8/2016	17:31
Vinyl chloride	< 7.05	ug/Kg	2/8/2016	17:31

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-03 20160202

Lab Sample ID: 160468-03 **Date Sampled:** 2/2/2016

Matrix: Soil **Date Received:** 2/3/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**112**	83 - 126		2/8/2016	17:31
4-Bromofluorobenzene	**91.8**	80.8 - 115		2/8/2016	17:31
Pentafluorobenzene	**95.5**	90.6 - 111		2/8/2016	17:31
Toluene-D8	**98.9**	89.2 - 109		2/8/2016	17:31

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x29485.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-04 20160202		
Lab Sample ID:	160468-04	**Date Sampled:**	2/2/2016
Matrix:	Soil	**Date Received:**	2/3/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0169**	mg/Kg		2/9/2016 11:58

Method Reference(s): EPA 7471B
Preparation Date: 2/6/2016
Data File: Hg160219A

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**11000**	mg/Kg		2/9/2016 11:50
Antimony	< 3.33	mg/Kg		2/9/2016 11:50
Arsenic	< 0.554	mg/Kg		2/10/2016 10:03
Barium	**132**	mg/Kg		2/9/2016 11:50
Beryllium	**0.606**	mg/Kg		2/9/2016 11:50
Cadmium	< 0.277	mg/Kg		2/9/2016 11:50
Calcium	**1960**	mg/Kg		2/9/2016 11:50
Chromium	**25.8**	mg/Kg		2/9/2016 11:50
Cobalt	**14.2**	mg/Kg		2/9/2016 11:50
Copper	**29.2**	mg/Kg		2/9/2016 11:50
Iron	**27400**	mg/Kg		2/9/2016 11:50
Lead	**9.46**	mg/Kg		2/9/2016 11:50
Magnesium	**3800**	mg/Kg		2/9/2016 11:50
Manganese	**1570**	mg/Kg		2/9/2016 11:54
Nickel	**29.1**	mg/Kg		2/9/2016 11:50
Potassium	**2690**	mg/Kg		2/9/2016 11:50
Selenium	< 0.554	mg/Kg		2/9/2016 11:50
Silver	< 0.554	mg/Kg		2/9/2016 11:50
Sodium	< 139	mg/Kg		2/9/2016 11:50
Thallium	< 1.39	mg/Kg		2/10/2016 10:03
Vanadium	**36.9**	mg/Kg		2/9/2016 11:50
Zinc	**82.5**	mg/Kg		2/9/2016 11:50

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-04 20160202		
Lab Sample ID:	160468-04	**Date Sampled:**	2/2/2016
Matrix:	Soil	**Date Received:**	2/3/2016

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 2/5/2016
Data File: 020916b

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 337	ug/Kg		2/8/2016 14:05
Acenaphthylene	< 337	ug/Kg		2/8/2016 14:05
Anthracene	< 337	ug/Kg		2/8/2016 14:05
Benzo (a) anthracene	< 337	ug/Kg		2/8/2016 14:05
Benzo (a) pyrene	< 337	ug/Kg		2/8/2016 14:05
Benzo (b) fluoranthene	< 337	ug/Kg		2/8/2016 14:05
Benzo (g,h,i) perylene	< 337	ug/Kg		2/8/2016 14:05
Benzo (k) fluoranthene	< 337	ug/Kg		2/8/2016 14:05
Chrysene	< 337	ug/Kg		2/8/2016 14:05
Dibenz (a,h) anthracene	< 337	ug/Kg		2/8/2016 14:05
Fluoranthene	< 337	ug/Kg		2/8/2016 14:05
Fluorene	< 337	ug/Kg		2/8/2016 14:05
Indeno (1,2,3-cd) pyrene	< 337	ug/Kg		2/8/2016 14:05
Naphthalene	< 337	ug/Kg		2/8/2016 14:05
Phenanthrene	< 337	ug/Kg		2/8/2016 14:05
Pyrene	< 337	ug/Kg		2/8/2016 14:05

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**47.2**	22 - 96.1		2/8/2016 14:05
Nitrobenzene-d5	**43.8**	11.6 - 83.3		2/8/2016 14:05
Terphenyl-d14	**73.1**	60.4 - 114		2/8/2016 14:05

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 2/8/2016
Data File: B10013.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-04 20160202
Lab Sample ID: 160468-04 **Date Sampled:** 2/2/2016
Matrix: Soil **Date Received:** 2/3/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 6.34	ug/Kg		2/8/2016 17:54
1,1,2,2-Tetrachloroethane	< 6.34	ug/Kg		2/8/2016 17:54
1,1,2-Trichloroethane	< 6.34	ug/Kg		2/8/2016 17:54
1,1-Dichloroethane	< 6.34	ug/Kg		2/8/2016 17:54
1,1-Dichloroethene	< 6.34	ug/Kg		2/8/2016 17:54
1,2,3-Trichlorobenzene	< 15.9	ug/Kg		2/8/2016 17:54
1,2,4-Trichlorobenzene	< 15.9	ug/Kg		2/8/2016 17:54
1,2-Dibromo-3-Chloropropane	< 31.7	ug/Kg		2/8/2016 17:54
1,2-Dibromoethane	< 6.34	ug/Kg		2/8/2016 17:54
1,2-Dichlorobenzene	< 6.34	ug/Kg		2/8/2016 17:54
1,2-Dichloroethane	< 6.34	ug/Kg		2/8/2016 17:54
1,2-Dichloropropane	< 6.34	ug/Kg		2/8/2016 17:54
1,3-Dichlorobenzene	< 6.34	ug/Kg		2/8/2016 17:54
1,4-Dichlorobenzene	< 6.34	ug/Kg		2/8/2016 17:54
1,4-dioxane	< 63.4	ug/Kg		2/8/2016 17:54
2-Butanone	< 31.7	ug/Kg		2/8/2016 17:54
2-Hexanone	< 15.9	ug/Kg		2/8/2016 17:54
4-Methyl-2-pentanone	< 15.9	ug/Kg		2/8/2016 17:54
Acetone	< 31.7	ug/Kg		2/8/2016 17:54
Benzene	< 6.34	ug/Kg		2/8/2016 17:54
Bromochloromethane	< 15.9	ug/Kg		2/8/2016 17:54
Bromodichloromethane	< 6.34	ug/Kg		2/8/2016 17:54
Bromoform	< 15.9	ug/Kg		2/8/2016 17:54
Bromomethane	< 6.34	ug/Kg		2/8/2016 17:54
Carbon disulfide	< 6.34	ug/Kg		2/8/2016 17:54
Carbon Tetrachloride	< 6.34	ug/Kg		2/8/2016 17:54
Chlorobenzene	< 6.34	ug/Kg		2/8/2016 17:54
Chloroethane	< 6.34	ug/Kg		2/8/2016 17:54
Chloroform	< 6.34	ug/Kg		2/8/2016 17:54

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-04 20160202		
Lab Sample ID:	160468-04	**Date Sampled:**	2/2/2016
Matrix:	Soil	**Date Received:**	2/3/2016

Chloromethane	< 6.34	ug/Kg	2/8/2016 17:54
cis-1,2-Dichloroethene	< 6.34	ug/Kg	2/8/2016 17:54
cis-1,3-Dichloropropene	< 6.34	ug/Kg	2/8/2016 17:54
Cyclohexane	< 31.7	ug/Kg	2/8/2016 17:54
Dibromochloromethane	< 6.34	ug/Kg	2/8/2016 17:54
Dichlorodifluoromethane	< 6.34	ug/Kg	2/8/2016 17:54
Ethylbenzene	< 6.34	ug/Kg	2/8/2016 17:54
Freon 113	< 6.34	ug/Kg	2/8/2016 17:54
Isopropylbenzene	< 6.34	ug/Kg	2/8/2016 17:54
m,p-Xylene	< 6.34	ug/Kg	2/8/2016 17:54
Methyl acetate	< 6.34	ug/Kg	2/8/2016 17:54
Methyl tert-butyl Ether	< 6.34	ug/Kg	2/8/2016 17:54
Methylcyclohexane	< 6.34	ug/Kg	2/8/2016 17:54
Methylene chloride	< 15.9	ug/Kg	2/8/2016 17:54
o-Xylene	< 6.34	ug/Kg	2/8/2016 17:54
Styrene	< 15.9	ug/Kg	2/8/2016 17:54
Tetrachloroethene	< 6.34	ug/Kg	2/8/2016 17:54
Toluene	< 6.34	ug/Kg	2/8/2016 17:54
trans-1,2-Dichloroethene	< 6.34	ug/Kg	2/8/2016 17:54
trans-1,3-Dichloropropene	< 6.34	ug/Kg	2/8/2016 17:54
Trichloroethene	< 6.34	ug/Kg	2/8/2016 17:54
Trichlorofluoromethane	< 6.34	ug/Kg	2/8/2016 17:54
Vinyl chloride	< 6.34	ug/Kg	2/8/2016 17:54

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-04 20160202

Lab Sample ID: 160468-04 **Date Sampled:** 2/2/2016

Matrix: Soil **Date Received:** 2/3/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**111**	83 - 126		2/8/2016	17:54
4-Bromofluorobenzene	**90.9**	80.8 - 115		2/8/2016	17:54
Pentafluorobenzene	**93.5**	90.6 - 111		2/8/2016	17:54
Toluene-D8	**98.3**	89.2 - 109		2/8/2016	17:54

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x29486.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-05 20160202		
Lab Sample ID:	160468-05	**Date Sampled:**	2/2/2016
Matrix:	Soil	**Date Received:**	2/3/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0147**	mg/Kg		2/9/2016 12:01

Method Reference(s): EPA 7471B
Preparation Date: 2/6/2016
Data File: Hg160219A

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**11800**	mg/Kg		2/9/2016 12:07
Antimony	< 3.62	mg/Kg		2/9/2016 12:07
Arsenic	**0.682**	mg/Kg		2/10/2016 10:08
Barium	**118**	mg/Kg		2/9/2016 12:07
Beryllium	**0.605**	mg/Kg		2/9/2016 12:07
Cadmium	< 0.302	mg/Kg		2/9/2016 12:07
Calcium	**2050**	mg/Kg		2/9/2016 12:07
Chromium	**30.4**	mg/Kg		2/9/2016 12:07
Cobalt	**14.4**	mg/Kg		2/9/2016 12:07
Copper	**28.8**	mg/Kg		2/9/2016 12:07
Iron	**26900**	mg/Kg		2/9/2016 12:07
Lead	**7.80**	mg/Kg		2/9/2016 12:07
Magnesium	**4080**	mg/Kg		2/9/2016 12:07
Manganese	**973**	mg/Kg		2/9/2016 12:11
Nickel	**25.7**	mg/Kg		2/9/2016 12:07
Potassium	**3490**	mg/Kg		2/9/2016 12:07
Selenium	< 0.603	mg/Kg		2/9/2016 12:07
Silver	< 0.603	mg/Kg		2/9/2016 12:07
Sodium	< 151	mg/Kg		2/9/2016 12:07
Thallium	< 1.51	mg/Kg		2/10/2016 10:08
Vanadium	**39.7**	mg/Kg		2/9/2016 12:07
Zinc	**74.3**	mg/Kg		2/9/2016 12:07

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-05 20160202		
Lab Sample ID:	160468-05	**Date Sampled:**	2/2/2016
Matrix:	Soil	**Date Received:**	2/3/2016

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 2/5/2016
Data File: 020916b

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 344	ug/Kg		2/8/2016 14:34
Acenaphthylene	< 344	ug/Kg		2/8/2016 14:34
Anthracene	< 344	ug/Kg		2/8/2016 14:34
Benzo (a) anthracene	< 344	ug/Kg		2/8/2016 14:34
Benzo (a) pyrene	< 344	ug/Kg		2/8/2016 14:34
Benzo (b) fluoranthene	< 344	ug/Kg		2/8/2016 14:34
Benzo (g,h,i) perylene	< 344	ug/Kg		2/8/2016 14:34
Benzo (k) fluoranthene	< 344	ug/Kg		2/8/2016 14:34
Chrysene	< 344	ug/Kg		2/8/2016 14:34
Dibenz (a,h) anthracene	< 344	ug/Kg		2/8/2016 14:34
Fluoranthene	**619**	ug/Kg		2/8/2016 14:34
Fluorene	< 344	ug/Kg		2/8/2016 14:34
Indeno (1,2,3-cd) pyrene	< 344	ug/Kg		2/8/2016 14:34
Naphthalene	< 344	ug/Kg		2/8/2016 14:34
Phenanthrene	< 344	ug/Kg		2/8/2016 14:34
Pyrene	**375**	ug/Kg		2/8/2016 14:34

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**56.6**	22 - 96.1		2/8/2016 14:34
Nitrobenzene-d5	**46.2**	11.6 - 83.3		2/8/2016 14:34
Terphenyl-d14	**76.2**	60.4 - 114		2/8/2016 14:34

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 2/8/2016
Data File: B10014.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-05 20160202
Lab Sample ID: 160468-05 **Date Sampled:** 2/2/2016
Matrix: Soil **Date Received:** 2/3/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 6.25	ug/Kg		2/8/2016 18:18
1,1,2,2-Tetrachloroethane	< 6.25	ug/Kg		2/8/2016 18:18
1,1,2-Trichloroethane	< 6.25	ug/Kg		2/8/2016 18:18
1,1-Dichloroethane	< 6.25	ug/Kg		2/8/2016 18:18
1,1-Dichloroethene	< 6.25	ug/Kg		2/8/2016 18:18
1,2,3-Trichlorobenzene	< 15.6	ug/Kg		2/8/2016 18:18
1,2,4-Trichlorobenzene	< 15.6	ug/Kg		2/8/2016 18:18
1,2-Dibromo-3-Chloropropane	< 31.3	ug/Kg		2/8/2016 18:18
1,2-Dibromoethane	< 6.25	ug/Kg		2/8/2016 18:18
1,2-Dichlorobenzene	< 6.25	ug/Kg		2/8/2016 18:18
1,2-Dichloroethane	< 6.25	ug/Kg		2/8/2016 18:18
1,2-Dichloropropane	< 6.25	ug/Kg		2/8/2016 18:18
1,3-Dichlorobenzene	< 6.25	ug/Kg		2/8/2016 18:18
1,4-Dichlorobenzene	< 6.25	ug/Kg		2/8/2016 18:18
1,4-dioxane	< 62.5	ug/Kg		2/8/2016 18:18
2-Butanone	< 31.3	ug/Kg		2/8/2016 18:18
2-Hexanone	< 15.6	ug/Kg		2/8/2016 18:18
4-Methyl-2-pentanone	< 15.6	ug/Kg		2/8/2016 18:18
Acetone	< 31.3	ug/Kg		2/8/2016 18:18
Benzene	< 6.25	ug/Kg		2/8/2016 18:18
Bromochloromethane	< 15.6	ug/Kg		2/8/2016 18:18
Bromodichloromethane	< 6.25	ug/Kg		2/8/2016 18:18
Bromoform	< 15.6	ug/Kg		2/8/2016 18:18
Bromomethane	< 6.25	ug/Kg		2/8/2016 18:18
Carbon disulfide	< 6.25	ug/Kg		2/8/2016 18:18
Carbon Tetrachloride	< 6.25	ug/Kg		2/8/2016 18:18
Chlorobenzene	< 6.25	ug/Kg		2/8/2016 18:18
Chloroethane	< 6.25	ug/Kg		2/8/2016 18:18
Chloroform	< 6.25	ug/Kg		2/8/2016 18:18

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-05 20160202
Lab Sample ID: 160468-05 **Date Sampled:** 2/2/2016
Matrix: Soil **Date Received:** 2/3/2016

Chloromethane	< 6.25	ug/Kg	2/8/2016	18:18
cis-1,2-Dichloroethene	< 6.25	ug/Kg	2/8/2016	18:18
cis-1,3-Dichloropropene	< 6.25	ug/Kg	2/8/2016	18:18
Cyclohexane	< 31.3	ug/Kg	2/8/2016	18:18
Dibromochloromethane	< 6.25	ug/Kg	2/8/2016	18:18
Dichlorodifluoromethane	< 6.25	ug/Kg	2/8/2016	18:18
Ethylbenzene	< 6.25	ug/Kg	2/8/2016	18:18
Freon 113	< 6.25	ug/Kg	2/8/2016	18:18
Isopropylbenzene	< 6.25	ug/Kg	2/8/2016	18:18
m,p-Xylene	< 6.25	ug/Kg	2/8/2016	18:18
Methyl acetate	< 6.25	ug/Kg	2/8/2016	18:18
Methyl tert-butyl Ether	< 6.25	ug/Kg	2/8/2016	18:18
Methylcyclohexane	< 6.25	ug/Kg	2/8/2016	18:18
Methylene chloride	< 15.6	ug/Kg	2/8/2016	18:18
o-Xylene	< 6.25	ug/Kg	2/8/2016	18:18
Styrene	< 15.6	ug/Kg	2/8/2016	18:18
Tetrachloroethene	< 6.25	ug/Kg	2/8/2016	18:18
Toluene	< 6.25	ug/Kg	2/8/2016	18:18
trans-1,2-Dichloroethene	< 6.25	ug/Kg	2/8/2016	18:18
trans-1,3-Dichloropropene	< 6.25	ug/Kg	2/8/2016	18:18
Trichloroethene	< 6.25	ug/Kg	2/8/2016	18:18
Trichlorofluoromethane	< 6.25	ug/Kg	2/8/2016	18:18
Vinyl chloride	< 6.25	ug/Kg	2/8/2016	18:18

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-05 20160202

Lab Sample ID: 160468-05 **Date Sampled:** 2/2/2016

Matrix: Soil **Date Received:** 2/3/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**109**	83 - 126		2/8/2016	18:18
4-Bromofluorobenzene	**90.7**	80.8 - 115		2/8/2016	18:18
Pentafluorobenzene	**93.8**	90.6 - 111		2/8/2016	18:18
Toluene-D8	**98.3**	89.2 - 109		2/8/2016	18:18

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x29487.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-06 20160202		
Lab Sample ID:	160468-06	**Date Sampled:**	2/2/2016
Matrix:	Soil	**Date Received:**	2/3/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0688**	mg/Kg		2/9/2016 12:05

Method Reference(s): EPA 7471B
Preparation Date: 2/6/2016
Data File: Hg160219A

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**12400**	mg/Kg		2/9/2016 12:16
Antimony	< 3.62	mg/Kg		2/9/2016 12:16
Arsenic	< 0.603	mg/Kg		2/10/2016 10:12
Barium	**103**	mg/Kg		2/9/2016 12:16
Beryllium	**0.455**	mg/Kg		2/9/2016 12:16
Cadmium	< 0.302	mg/Kg		2/9/2016 12:16
Calcium	**1280**	mg/Kg		2/9/2016 12:16
Chromium	**21.2**	mg/Kg		2/9/2016 12:16
Cobalt	**13.7**	mg/Kg		2/9/2016 12:16
Copper	**22.0**	mg/Kg		2/9/2016 12:16
Iron	**18900**	mg/Kg		2/9/2016 12:16
Lead	**134**	mg/Kg		2/9/2016 12:16
Magnesium	**4730**	mg/Kg		2/9/2016 12:16
Manganese	**143**	mg/Kg		2/9/2016 12:16
Nickel	**19.8**	mg/Kg		2/9/2016 12:16
Potassium	**4550**	mg/Kg		2/9/2016 12:16
Selenium	< 0.603	mg/Kg		2/9/2016 12:16
Silver	< 0.603	mg/Kg		2/9/2016 12:16
Sodium	< 151	mg/Kg		2/9/2016 12:16
Thallium	**3.23**	mg/Kg		2/10/2016 10:12
Vanadium	**31.5**	mg/Kg		2/9/2016 12:16
Zinc	**60.2**	mg/Kg		2/9/2016 12:16

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-06 20160202		
Lab Sample ID:	160468-06	**Date Sampled:**	2/2/2016
Matrix:	Soil	**Date Received:**	2/3/2016

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 2/5/2016
Data File: 020916b

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 356	ug/Kg		2/8/2016 15:03
Acenaphthylene	< 356	ug/Kg		2/8/2016 15:03
Anthracene	< 356	ug/Kg		2/8/2016 15:03
Benzo (a) anthracene	< 356	ug/Kg		2/8/2016 15:03
Benzo (a) pyrene	< 356	ug/Kg		2/8/2016 15:03
Benzo (b) fluoranthene	< 356	ug/Kg		2/8/2016 15:03
Benzo (g,h,i) perylene	< 356	ug/Kg		2/8/2016 15:03
Benzo (k) fluoranthene	< 356	ug/Kg		2/8/2016 15:03
Chrysene	< 356	ug/Kg		2/8/2016 15:03
Dibenz (a,h) anthracene	< 356	ug/Kg		2/8/2016 15:03
Fluoranthene	< 356	ug/Kg		2/8/2016 15:03
Fluorene	< 356	ug/Kg		2/8/2016 15:03
Indeno (1,2,3-cd) pyrene	< 356	ug/Kg		2/8/2016 15:03
Naphthalene	< 356	ug/Kg		2/8/2016 15:03
Phenanthrene	< 356	ug/Kg		2/8/2016 15:03
Pyrene	< 356	ug/Kg		2/8/2016 15:03

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**45.6**	22 - 96.1		2/8/2016 15:03
Nitrobenzene-d5	**42.0**	11.6 - 83.3		2/8/2016 15:03
Terphenyl-d14	**72.5**	60.4 - 114		2/8/2016 15:03

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 2/8/2016
Data File: B10015.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-06 20160202
Lab Sample ID: 160468-06 **Date Sampled:** 2/2/2016
Matrix: Soil **Date Received:** 2/3/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 8.84	ug/Kg		2/8/2016 18:42
1,1,2,2-Tetrachloroethane	< 8.84	ug/Kg		2/8/2016 18:42
1,1,2-Trichloroethane	< 8.84	ug/Kg		2/8/2016 18:42
1,1-Dichloroethane	< 8.84	ug/Kg		2/8/2016 18:42
1,1-Dichloroethene	< 8.84	ug/Kg		2/8/2016 18:42
1,2,3-Trichlorobenzene	< 22.1	ug/Kg		2/8/2016 18:42
1,2,4-Trichlorobenzene	< 22.1	ug/Kg		2/8/2016 18:42
1,2-Dibromo-3-Chloropropane	< 44.2	ug/Kg		2/8/2016 18:42
1,2-Dibromoethane	< 8.84	ug/Kg		2/8/2016 18:42
1,2-Dichlorobenzene	< 8.84	ug/Kg		2/8/2016 18:42
1,2-Dichloroethane	< 8.84	ug/Kg		2/8/2016 18:42
1,2-Dichloropropane	< 8.84	ug/Kg		2/8/2016 18:42
1,3-Dichlorobenzene	< 8.84	ug/Kg		2/8/2016 18:42
1,4-Dichlorobenzene	< 8.84	ug/Kg		2/8/2016 18:42
1,4-dioxane	< 88.4	ug/Kg		2/8/2016 18:42
2-Butanone	< 44.2	ug/Kg		2/8/2016 18:42
2-Hexanone	< 22.1	ug/Kg		2/8/2016 18:42
4-Methyl-2-pentanone	< 22.1	ug/Kg		2/8/2016 18:42
Acetone	< 44.2	ug/Kg		2/8/2016 18:42
Benzene	< 8.84	ug/Kg		2/8/2016 18:42
Bromochloromethane	< 22.1	ug/Kg		2/8/2016 18:42
Bromodichloromethane	< 8.84	ug/Kg		2/8/2016 18:42
Bromoform	< 22.1	ug/Kg		2/8/2016 18:42
Bromomethane	< 8.84	ug/Kg		2/8/2016 18:42
Carbon disulfide	< 8.84	ug/Kg		2/8/2016 18:42
Carbon Tetrachloride	< 8.84	ug/Kg		2/8/2016 18:42
Chlorobenzene	< 8.84	ug/Kg		2/8/2016 18:42
Chloroethane	< 8.84	ug/Kg		2/8/2016 18:42
Chloroform	< 8.84	ug/Kg		2/8/2016 18:42

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-06 20160202
Lab Sample ID: 160468-06 **Date Sampled:** 2/2/2016
Matrix: Soil **Date Received:** 2/3/2016

Chloromethane	< 8.84	ug/Kg	2/8/2016	18:42
cis-1,2-Dichloroethene	< 8.84	ug/Kg	2/8/2016	18:42
cis-1,3-Dichloropropene	< 8.84	ug/Kg	2/8/2016	18:42
Cyclohexane	< 44.2	ug/Kg	2/8/2016	18:42
Dibromochloromethane	< 8.84	ug/Kg	2/8/2016	18:42
Dichlorodifluoromethane	< 8.84	ug/Kg	2/8/2016	18:42
Ethylbenzene	< 8.84	ug/Kg	2/8/2016	18:42
Freon 113	< 8.84	ug/Kg	2/8/2016	18:42
Isopropylbenzene	< 8.84	ug/Kg	2/8/2016	18:42
m,p-Xylene	< 8.84	ug/Kg	2/8/2016	18:42
Methyl acetate	< 8.84	ug/Kg	2/8/2016	18:42
Methyl tert-butyl Ether	< 8.84	ug/Kg	2/8/2016	18:42
Methylcyclohexane	< 8.84	ug/Kg	2/8/2016	18:42
Methylene chloride	< 22.1	ug/Kg	2/8/2016	18:42
o-Xylene	< 8.84	ug/Kg	2/8/2016	18:42
Styrene	< 22.1	ug/Kg	2/8/2016	18:42
Tetrachloroethene	< 8.84	ug/Kg	2/8/2016	18:42
Toluene	< 8.84	ug/Kg	2/8/2016	18:42
trans-1,2-Dichloroethene	< 8.84	ug/Kg	2/8/2016	18:42
trans-1,3-Dichloropropene	< 8.84	ug/Kg	2/8/2016	18:42
Trichloroethene	< 8.84	ug/Kg	2/8/2016	18:42
Trichlorofluoromethane	< 8.84	ug/Kg	2/8/2016	18:42
Vinyl chloride	< 8.84	ug/Kg	2/8/2016	18:42

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-06 20160202

Lab Sample ID: 160468-06 **Date Sampled:** 2/2/2016

Matrix: Soil **Date Received:** 2/3/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**110**	83 - 126		2/8/2016	18:42
4-Bromofluorobenzene	**89.1**	80.8 - 115		2/8/2016	18:42
Pentafluorobenzene	**92.8**	90.6 - 111		2/8/2016	18:42
Toluene-D8	**97.6**	89.2 - 109		2/8/2016	18:42

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x29488.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-07 20160202		
Lab Sample ID:	160468-07	**Date Sampled:**	2/2/2016
Matrix:	Soil	**Date Received:**	2/3/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.120**	mg/Kg		2/9/2016 12:08

Method Reference(s): EPA 7471B
Preparation Date: 2/6/2016
Data File: Hg160219A

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**9700**	mg/Kg		2/9/2016 12:20
Antimony	< 3.24	mg/Kg		2/9/2016 12:20
Arsenic	**2.26**	mg/Kg		2/10/2016 10:16
Barium	**168**	mg/Kg		2/9/2016 12:20
Beryllium	**0.422**	mg/Kg		2/9/2016 12:20
Cadmium	**1.62**	mg/Kg		2/9/2016 12:20
Calcium	**23100**	mg/Kg		2/9/2016 12:20
Chromium	**20.2**	mg/Kg		2/9/2016 12:20
Cobalt	**9.43**	mg/Kg		2/9/2016 12:20
Copper	**43.8**	mg/Kg		2/9/2016 12:20
Iron	**16700**	mg/Kg		2/9/2016 12:20
Lead	**341**	mg/Kg		2/9/2016 12:20
Magnesium	**6290**	mg/Kg		2/9/2016 12:20
Manganese	**278**	mg/Kg		2/9/2016 12:20
Nickel	**18.4**	mg/Kg		2/9/2016 12:20
Potassium	**2640**	mg/Kg		2/9/2016 12:20
Selenium	< 0.540	mg/Kg		2/9/2016 12:20
Silver	< 0.540	mg/Kg		2/9/2016 12:20
Sodium	**232**	mg/Kg		2/9/2016 12:20
Thallium	< 1.35	mg/Kg		2/10/2016 10:16
Vanadium	**30.8**	mg/Kg		2/9/2016 12:20
Zinc	**699**	mg/Kg		2/9/2016 12:24

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-07 20160202		
Lab Sample ID:	160468-07	**Date Sampled:**	2/2/2016
Matrix:	Soil	**Date Received:**	2/3/2016

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 2/5/2016
Data File: 020916b

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 327	ug/Kg		2/8/2016 15:32
Acenaphthylene	< 327	ug/Kg		2/8/2016 15:32
Anthracene	< 327	ug/Kg		2/8/2016 15:32
Benzo (a) anthracene	< 327	ug/Kg		2/8/2016 15:32
Benzo (a) pyrene	< 327	ug/Kg		2/8/2016 15:32
Benzo (b) fluoranthene	< 327	ug/Kg		2/8/2016 15:32
Benzo (g,h,i) perylene	< 327	ug/Kg		2/8/2016 15:32
Benzo (k) fluoranthene	< 327	ug/Kg		2/8/2016 15:32
Chrysene	< 327	ug/Kg		2/8/2016 15:32
Dibenz (a,h) anthracene	< 327	ug/Kg		2/8/2016 15:32
Fluoranthene	< 327	ug/Kg		2/8/2016 15:32
Fluorene	< 327	ug/Kg		2/8/2016 15:32
Indeno (1,2,3-cd) pyrene	< 327	ug/Kg		2/8/2016 15:32
Naphthalene	< 327	ug/Kg		2/8/2016 15:32
Phenanthrene	< 327	ug/Kg		2/8/2016 15:32
Pyrene	< 327	ug/Kg		2/8/2016 15:32

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**60.1**	22 - 96.1		2/8/2016 15:32
Nitrobenzene-d5	**51.2**	11.6 - 83.3		2/8/2016 15:32
Terphenyl-d14	**69.7**	60.4 - 114		2/8/2016 15:32

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 2/8/2016
Data File: B10016.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-07 20160202
Lab Sample ID: 160468-07 **Date Sampled:** 2/2/2016
Matrix: Soil **Date Received:** 2/3/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.75	ug/Kg		2/8/2016 19:06
1,1,2,2-Tetrachloroethane	< 7.75	ug/Kg		2/8/2016 19:06
1,1,2-Trichloroethane	< 7.75	ug/Kg		2/8/2016 19:06
1,1-Dichloroethane	< 7.75	ug/Kg		2/8/2016 19:06
1,1-Dichloroethene	< 7.75	ug/Kg		2/8/2016 19:06
1,2,3-Trichlorobenzene	< 19.4	ug/Kg		2/8/2016 19:06
1,2,4-Trichlorobenzene	< 19.4	ug/Kg		2/8/2016 19:06
1,2-Dibromo-3-Chloropropane	< 38.7	ug/Kg		2/8/2016 19:06
1,2-Dibromoethane	< 7.75	ug/Kg		2/8/2016 19:06
1,2-Dichlorobenzene	< 7.75	ug/Kg		2/8/2016 19:06
1,2-Dichloroethane	< 7.75	ug/Kg		2/8/2016 19:06
1,2-Dichloropropane	< 7.75	ug/Kg		2/8/2016 19:06
1,3-Dichlorobenzene	< 7.75	ug/Kg		2/8/2016 19:06
1,4-Dichlorobenzene	< 7.75	ug/Kg		2/8/2016 19:06
1,4-dioxane	< 77.5	ug/Kg		2/8/2016 19:06
2-Butanone	< 38.7	ug/Kg		2/8/2016 19:06
2-Hexanone	< 19.4	ug/Kg		2/8/2016 19:06
4-Methyl-2-pentanone	< 19.4	ug/Kg		2/8/2016 19:06
Acetone	< 38.7	ug/Kg		2/8/2016 19:06
Benzene	< 7.75	ug/Kg		2/8/2016 19:06
Bromochloromethane	< 19.4	ug/Kg		2/8/2016 19:06
Bromodichloromethane	< 7.75	ug/Kg		2/8/2016 19:06
Bromoform	< 19.4	ug/Kg		2/8/2016 19:06
Bromomethane	< 7.75	ug/Kg		2/8/2016 19:06
Carbon disulfide	< 7.75	ug/Kg		2/8/2016 19:06
Carbon Tetrachloride	< 7.75	ug/Kg		2/8/2016 19:06
Chlorobenzene	< 7.75	ug/Kg		2/8/2016 19:06
Chloroethane	< 7.75	ug/Kg		2/8/2016 19:06
Chloroform	< 7.75	ug/Kg		2/8/2016 19:06

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-07 20160202		
Lab Sample ID:	160468-07	**Date Sampled:**	2/2/2016
Matrix:	Soil	**Date Received:**	2/3/2016

Chloromethane	< 7.75	ug/Kg	2/8/2016	19:06
cis-1,2-Dichloroethene	< 7.75	ug/Kg	2/8/2016	19:06
cis-1,3-Dichloropropene	< 7.75	ug/Kg	2/8/2016	19:06
Cyclohexane	< 38.7	ug/Kg	2/8/2016	19:06
Dibromochloromethane	< 7.75	ug/Kg	2/8/2016	19:06
Dichlorodifluoromethane	< 7.75	ug/Kg	2/8/2016	19:06
Ethylbenzene	< 7.75	ug/Kg	2/8/2016	19:06
Freon 113	< 7.75	ug/Kg	2/8/2016	19:06
Isopropylbenzene	< 7.75	ug/Kg	2/8/2016	19:06
m,p-Xylene	**23.7**	ug/Kg	2/8/2016	19:06
Methyl acetate	< 7.75	ug/Kg	2/8/2016	19:06
Methyl tert-butyl Ether	< 7.75	ug/Kg	2/8/2016	19:06
Methylcyclohexane	< 7.75	ug/Kg	2/8/2016	19:06
Methylene chloride	< 19.4	ug/Kg	2/8/2016	19:06
o-Xylene	**11.3**	ug/Kg	2/8/2016	19:06
Styrene	< 19.4	ug/Kg	2/8/2016	19:06
Tetrachloroethene	< 7.75	ug/Kg	2/8/2016	19:06
Toluene	< 7.75	ug/Kg	2/8/2016	19:06
trans-1,2-Dichloroethene	< 7.75	ug/Kg	2/8/2016	19:06
trans-1,3-Dichloropropene	< 7.75	ug/Kg	2/8/2016	19:06
Trichloroethene	< 7.75	ug/Kg	2/8/2016	19:06
Trichlorofluoromethane	< 7.75	ug/Kg	2/8/2016	19:06
Vinyl chloride	< 7.75	ug/Kg	2/8/2016	19:06

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-07 20160202

Lab Sample ID: 160468-07 **Date Sampled:** 2/2/2016

Matrix: Soil **Date Received:** 2/3/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**110**	83 - 126		2/8/2016	19:06
4-Bromofluorobenzene	**92.9**	80.8 - 115		2/8/2016	19:06
Pentafluorobenzene	**90.8**	90.6 - 111		2/8/2016	19:06
Toluene-D8	**97.0**	89.2 - 109		2/8/2016	19:06

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x29489.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-08 20160202		
Lab Sample ID:	160468-08	**Date Sampled:**	2/2/2016
Matrix:	Soil	**Date Received:**	2/3/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0392**	mg/Kg		2/9/2016 12:19

Method Reference(s): EPA 7471B
Preparation Date: 2/6/2016
Data File: Hg160219A

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**17100**	mg/Kg		2/9/2016 12:28
Antimony	< 3.54	mg/Kg		2/9/2016 12:28
Arsenic	< 0.591	mg/Kg		2/10/2016 10:20
Barium	**162**	mg/Kg		2/9/2016 12:28
Beryllium	**0.769**	mg/Kg		2/9/2016 12:28
Cadmium	**0.435**	mg/Kg		2/9/2016 12:28
Calcium	**3720**	mg/Kg		2/9/2016 12:28
Chromium	**32.2**	mg/Kg		2/9/2016 12:28
Cobalt	**20.1**	mg/Kg		2/9/2016 12:28
Copper	**38.2**	mg/Kg		2/9/2016 12:28
Iron	**44500**	mg/Kg		2/9/2016 12:32
Lead	**139**	mg/Kg		2/9/2016 12:28
Magnesium	**7020**	mg/Kg		2/9/2016 12:28
Manganese	**1110**	mg/Kg		2/9/2016 12:32
Nickel	**27.8**	mg/Kg		2/9/2016 12:28
Potassium	**7910**	mg/Kg		2/9/2016 12:28
Selenium	< 0.591	mg/Kg		2/9/2016 12:28
Silver	< 0.591	mg/Kg		2/9/2016 12:28
Sodium	**191**	mg/Kg		2/9/2016 12:28
Thallium	**2.16**	mg/Kg		2/10/2016 10:20
Vanadium	**42.0**	mg/Kg		2/9/2016 12:28
Zinc	**286**	mg/Kg		2/9/2016 12:28

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-08 20160202		
Lab Sample ID:	160468-08	**Date Sampled:**	2/2/2016
Matrix:	Soil	**Date Received:**	2/3/2016

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 2/5/2016
Data File: 020916b

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 349	ug/Kg		2/8/2016 16:01
Acenaphthylene	< 349	ug/Kg		2/8/2016 16:01
Anthracene	< 349	ug/Kg		2/8/2016 16:01
Benzo (a) anthracene	< 349	ug/Kg		2/8/2016 16:01
Benzo (a) pyrene	< 349	ug/Kg		2/8/2016 16:01
Benzo (b) fluoranthene	< 349	ug/Kg		2/8/2016 16:01
Benzo (g,h,i) perylene	< 349	ug/Kg		2/8/2016 16:01
Benzo (k) fluoranthene	< 349	ug/Kg		2/8/2016 16:01
Chrysene	< 349	ug/Kg		2/8/2016 16:01
Dibenz (a,h) anthracene	< 349	ug/Kg		2/8/2016 16:01
Fluoranthene	< 349	ug/Kg		2/8/2016 16:01
Fluorene	< 349	ug/Kg		2/8/2016 16:01
Indeno (1,2,3-cd) pyrene	< 349	ug/Kg		2/8/2016 16:01
Naphthalene	< 349	ug/Kg		2/8/2016 16:01
Phenanthrene	< 349	ug/Kg		2/8/2016 16:01
Pyrene	< 349	ug/Kg		2/8/2016 16:01

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**46.8**	22 - 96.1		2/8/2016 16:01
Nitrobenzene-d5	**43.2**	11.6 - 83.3		2/8/2016 16:01
Terphenyl-d14	**68.5**	60.4 - 114		2/8/2016 16:01

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 2/8/2016
Data File: B10017.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-08 20160202
Lab Sample ID: 160468-08 **Date Sampled:** 2/2/2016
Matrix: Soil **Date Received:** 2/3/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 8.16	ug/Kg		2/8/2016 19:30
1,1,2,2-Tetrachloroethane	< 8.16	ug/Kg		2/8/2016 19:30
1,1,2-Trichloroethane	< 8.16	ug/Kg		2/8/2016 19:30
1,1-Dichloroethane	< 8.16	ug/Kg		2/8/2016 19:30
1,1-Dichloroethene	< 8.16	ug/Kg		2/8/2016 19:30
1,2,3-Trichlorobenzene	< 20.4	ug/Kg		2/8/2016 19:30
1,2,4-Trichlorobenzene	< 20.4	ug/Kg		2/8/2016 19:30
1,2-Dibromo-3-Chloropropane	< 40.8	ug/Kg		2/8/2016 19:30
1,2-Dibromoethane	< 8.16	ug/Kg		2/8/2016 19:30
1,2-Dichlorobenzene	< 8.16	ug/Kg		2/8/2016 19:30
1,2-Dichloroethane	< 8.16	ug/Kg		2/8/2016 19:30
1,2-Dichloropropane	< 8.16	ug/Kg		2/8/2016 19:30
1,3-Dichlorobenzene	< 8.16	ug/Kg		2/8/2016 19:30
1,4-Dichlorobenzene	< 8.16	ug/Kg		2/8/2016 19:30
1,4-dioxane	< 81.6	ug/Kg		2/8/2016 19:30
2-Butanone	< 40.8	ug/Kg		2/8/2016 19:30
2-Hexanone	< 20.4	ug/Kg		2/8/2016 19:30
4-Methyl-2-pentanone	< 20.4	ug/Kg		2/8/2016 19:30
Acetone	< 40.8	ug/Kg		2/8/2016 19:30
Benzene	< 8.16	ug/Kg		2/8/2016 19:30
Bromochloromethane	< 20.4	ug/Kg		2/8/2016 19:30
Bromodichloromethane	< 8.16	ug/Kg		2/8/2016 19:30
Bromoform	< 20.4	ug/Kg		2/8/2016 19:30
Bromomethane	< 8.16	ug/Kg		2/8/2016 19:30
Carbon disulfide	< 8.16	ug/Kg		2/8/2016 19:30
Carbon Tetrachloride	< 8.16	ug/Kg		2/8/2016 19:30
Chlorobenzene	< 8.16	ug/Kg		2/8/2016 19:30
Chloroethane	< 8.16	ug/Kg		2/8/2016 19:30
Chloroform	< 8.16	ug/Kg		2/8/2016 19:30

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-08 20160202
Lab Sample ID: 160468-08 **Date Sampled:** 2/2/2016
Matrix: Soil **Date Received:** 2/3/2016

Chloromethane	< 8.16	ug/Kg	2/8/2016	19:30
cis-1,2-Dichloroethene	< 8.16	ug/Kg	2/8/2016	19:30
cis-1,3-Dichloropropene	< 8.16	ug/Kg	2/8/2016	19:30
Cyclohexane	< 40.8	ug/Kg	2/8/2016	19:30
Dibromochloromethane	< 8.16	ug/Kg	2/8/2016	19:30
Dichlorodifluoromethane	< 8.16	ug/Kg	2/8/2016	19:30
Ethylbenzene	< 8.16	ug/Kg	2/8/2016	19:30
Freon 113	< 8.16	ug/Kg	2/8/2016	19:30
Isopropylbenzene	< 8.16	ug/Kg	2/8/2016	19:30
m,p-Xylene	< 8.16	ug/Kg	2/8/2016	19:30
Methyl acetate	< 8.16	ug/Kg	2/8/2016	19:30
Methyl tert-butyl Ether	< 8.16	ug/Kg	2/8/2016	19:30
Methylcyclohexane	< 8.16	ug/Kg	2/8/2016	19:30
Methylene chloride	< 20.4	ug/Kg	2/8/2016	19:30
o-Xylene	< 8.16	ug/Kg	2/8/2016	19:30
Styrene	< 20.4	ug/Kg	2/8/2016	19:30
Tetrachloroethene	< 8.16	ug/Kg	2/8/2016	19:30
Toluene	< 8.16	ug/Kg	2/8/2016	19:30
trans-1,2-Dichloroethene	< 8.16	ug/Kg	2/8/2016	19:30
trans-1,3-Dichloropropene	< 8.16	ug/Kg	2/8/2016	19:30
Trichloroethene	< 8.16	ug/Kg	2/8/2016	19:30
Trichlorofluoromethane	< 8.16	ug/Kg	2/8/2016	19:30
Vinyl chloride	< 8.16	ug/Kg	2/8/2016	19:30

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160468

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-08 20160202

Lab Sample ID: 160468-08 **Date Sampled:** 2/2/2016

Matrix: Soil **Date Received:** 2/3/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**108**	83 - 126		2/8/2016	19:30
4-Bromofluorobenzene	**91.1**	80.8 - 115		2/8/2016	19:30
Pentafluorobenzene	**93.9**	90.6 - 111		2/8/2016	19:30
Toluene-D8	**97.8**	89.2 - 109		2/8/2016	19:30

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x29490.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

Analytical Report Appendix

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

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

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.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

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 analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

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

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	LAB PROJECT ID
CLIENT: PVE SHEFFLER	CLIENT:	160468
ADDRESS: 48 SPRINGSIDE AVENUE	ADDRESS:	Quotation #:
CITY: POUGHKEEPSIE STATE: NY ZIP: 12603	CITY: STATE: ZIP:	
PHONE: 845-454-2544	PHONE:	Email:
ATTN: CTARBELL@PVESHEFFLER.COM;	ATTN: ASPADAVECCHIA@PVESHEFFLER.COM CBROWN@PVESHEFFLER.COM	

PROJECT REFERENCE

560999

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	02-02-16	0740		X	SB-01 20160202	SO	1	• TCL VOCs 8260	01
2		0805		X	SB-02 20160202		1	• PAHs 8270	02
3		0835		X	SB-03 20160202		1	• TAL METALS	03
4		0905		X	SB-04 20160202		1		04
5		0955		X	SB-05 20160202		1		05
6		1105		X	SB-06 20160202		1		06
7		1120		X	SB-07 20160202		1		07
8		1155		X	SB-08 20160202		1		08
9									
10									

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	✓	Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	✓
Rush 2 day		Category B			
Rush 1 day					
Other please indicate:		Other please indicate:		Other EDD please indicate:	

Sampled By: [signature] Date/Time: 02-02-2016 1300

Relinquished By: Date/Time:

Received By: Date/Time:

Received @ Lab By: [signature] Date/Time: 2/3/16 11:38

Total Cost:

P.I.F.

3°C iced 2/3/16 10:38

PARADIGM

Chain of Custody Supplement

Client: PVE Sheffler **Completed by:** Glenn Pezzulo

Lab Project ID: 160468 **Date:** 2/3/16

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt: Yes	No	N/A
Container Type	X	V 5035	
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)			X
Comments			
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		X metals
Comments	3°C iced		
Sufficient Sample Quantity	X		
Comments			

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For

PVE Sheffler

For Lab Project ID

160494

Referencing

560999

Prepared

Thursday, February 11, 2016

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

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

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-09 20160203
Lab Sample ID: 160494-01 **Date Sampled:** 2/3/2016
Matrix: Soil **Date Received:** 2/4/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0351**	mg/Kg		2/9/2016 12:25

Method Reference(s): EPA 7471B
Preparation Date: 2/6/2016
Data File: Hg160219A

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**12200**	mg/Kg		2/10/2016 11:42
Antimony	< 3.19	mg/Kg		2/10/2016 11:42
Arsenic	**1.13**	mg/Kg		2/10/2016 11:42
Barium	**99.1**	mg/Kg		2/10/2016 11:42
Beryllium	**0.509**	mg/Kg		2/10/2016 11:42
Cadmium	**0.742**	mg/Kg		2/10/2016 11:42
Calcium	**8600**	mg/Kg		2/10/2016 11:42
Chromium	**25.5**	mg/Kg		2/10/2016 11:42
Cobalt	**12.2**	mg/Kg		2/10/2016 11:42
Copper	**29.8**	mg/Kg		2/10/2016 11:42
Iron	**19900**	mg/Kg		2/10/2016 11:42
Lead	**19.7**	mg/Kg		2/10/2016 11:42
Magnesium	**4460**	mg/Kg		2/10/2016 11:42
Manganese	**479**	mg/Kg		2/10/2016 11:42
Nickel	**20.7**	mg/Kg		2/10/2016 11:42
Potassium	**3340**	mg/Kg		2/10/2016 11:42
Selenium	**0.635**	mg/Kg		2/10/2016 11:42
Silver	< 0.531	mg/Kg		2/10/2016 11:42
Sodium	**354**	mg/Kg		2/10/2016 11:42
Thallium	< 1.33	mg/Kg		2/10/2016 11:42
Vanadium	**36.9**	mg/Kg		2/8/2016 17:52
Zinc	**64.0**	mg/Kg		2/10/2016 11:42

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-09 20160203
Lab Sample ID: 160494-01 **Date Sampled:** 2/3/2016
Matrix: Soil **Date Received:** 2/4/2016

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 2/5/2016
Data File: 021016a

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 323	ug/Kg		2/11/2016 00:15
Acenaphthylene	< 323	ug/Kg		2/11/2016 00:15
Anthracene	< 323	ug/Kg		2/11/2016 00:15
Benzo (a) anthracene	< 323	ug/Kg		2/11/2016 00:15
Benzo (a) pyrene	< 323	ug/Kg		2/11/2016 00:15
Benzo (b) fluoranthene	< 323	ug/Kg		2/11/2016 00:15
Benzo (g,h,i) perylene	< 323	ug/Kg		2/11/2016 00:15
Benzo (k) fluoranthene	< 323	ug/Kg		2/11/2016 00:15
Chrysene	< 323	ug/Kg		2/11/2016 00:15
Dibenz (a,h) anthracene	< 323	ug/Kg		2/11/2016 00:15
Fluoranthene	< 323	ug/Kg		2/11/2016 00:15
Fluorene	< 323	ug/Kg		2/11/2016 00:15
Indeno (1,2,3-cd) pyrene	< 323	ug/Kg		2/11/2016 00:15
Naphthalene	< 323	ug/Kg		2/11/2016 00:15
Phenanthrene	< 323	ug/Kg		2/11/2016 00:15
Pyrene	< 323	ug/Kg		2/11/2016 00:15

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**66.3**	22 - 96.1		2/11/2016 00:15
Nitrobenzene-d5	**57.5**	11.6 - 83.3		2/11/2016 00:15
Terphenyl-d14	**92.0**	60.4 - 114		2/11/2016 00:15

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 2/10/2016
Data File: B10106.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-09 20160203
Lab Sample ID: 160494-01 **Date Sampled:** 2/3/2016
Matrix: Soil **Date Received:** 2/4/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 8.95	ug/Kg		2/8/2016 20:18
1,1,2,2-Tetrachloroethane	< 8.95	ug/Kg		2/8/2016 20:18
1,1,2-Trichloroethane	< 8.95	ug/Kg		2/8/2016 20:18
1,1-Dichloroethane	< 8.95	ug/Kg		2/8/2016 20:18
1,1-Dichloroethene	< 8.95	ug/Kg		2/8/2016 20:18
1,2,3-Trichlorobenzene	< 22.4	ug/Kg		2/8/2016 20:18
1,2,4-Trichlorobenzene	< 22.4	ug/Kg		2/8/2016 20:18
1,2-Dibromo-3-Chloropropane	< 44.7	ug/Kg		2/8/2016 20:18
1,2-Dibromoethane	< 8.95	ug/Kg		2/8/2016 20:18
1,2-Dichlorobenzene	< 8.95	ug/Kg		2/8/2016 20:18
1,2-Dichloroethane	< 8.95	ug/Kg		2/8/2016 20:18
1,2-Dichloropropane	< 8.95	ug/Kg		2/8/2016 20:18
1,3-Dichlorobenzene	< 8.95	ug/Kg		2/8/2016 20:18
1,4-Dichlorobenzene	< 8.95	ug/Kg		2/8/2016 20:18
1,4-dioxane	< 89.5	ug/Kg		2/8/2016 20:18
2-Butanone	**227**	ug/Kg		2/8/2016 20:18
2-Hexanone	< 22.4	ug/Kg		2/8/2016 20:18
4-Methyl-2-pentanone	< 22.4	ug/Kg		2/8/2016 20:18
Acetone	**54.1**	ug/Kg		2/8/2016 20:18
Benzene	< 8.95	ug/Kg		2/8/2016 20:18
Bromochloromethane	< 22.4	ug/Kg		2/8/2016 20:18
Bromodichloromethane	< 8.95	ug/Kg		2/8/2016 20:18
Bromoform	< 22.4	ug/Kg		2/8/2016 20:18
Bromomethane	< 8.95	ug/Kg		2/8/2016 20:18
Carbon disulfide	< 8.95	ug/Kg		2/8/2016 20:18
Carbon Tetrachloride	< 8.95	ug/Kg		2/8/2016 20:18
Chlorobenzene	< 8.95	ug/Kg		2/8/2016 20:18
Chloroethane	< 8.95	ug/Kg		2/8/2016 20:18
Chloroform	< 8.95	ug/Kg		2/8/2016 20:18

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-09 20160203
Lab Sample ID: 160494-01 **Date Sampled:** 2/3/2016
Matrix: Soil **Date Received:** 2/4/2016

Chloromethane	< 8.95	ug/Kg	2/8/2016	20:18
cis-1,2-Dichloroethene	< 8.95	ug/Kg	2/8/2016	20:18
cis-1,3-Dichloropropene	< 8.95	ug/Kg	2/8/2016	20:18
Cyclohexane	< 44.7	ug/Kg	2/8/2016	20:18
Dibromochloromethane	< 8.95	ug/Kg	2/8/2016	20:18
Dichlorodifluoromethane	< 8.95	ug/Kg	2/8/2016	20:18
Ethylbenzene	< 8.95	ug/Kg	2/8/2016	20:18
Freon 113	< 8.95	ug/Kg	2/8/2016	20:18
Isopropylbenzene	< 8.95	ug/Kg	2/8/2016	20:18
m,p-Xylene	< 8.95	ug/Kg	2/8/2016	20:18
Methyl acetate	< 8.95	ug/Kg	2/8/2016	20:18
Methyl tert-butyl Ether	< 8.95	ug/Kg	2/8/2016	20:18
Methylcyclohexane	< 8.95	ug/Kg	2/8/2016	20:18
Methylene chloride	< 22.4	ug/Kg	2/8/2016	20:18
o-Xylene	< 8.95	ug/Kg	2/8/2016	20:18
Styrene	< 22.4	ug/Kg	2/8/2016	20:18
Tetrachloroethene	< 8.95	ug/Kg	2/8/2016	20:18
Toluene	< 8.95	ug/Kg	2/8/2016	20:18
trans-1,2-Dichloroethene	< 8.95	ug/Kg	2/8/2016	20:18
trans-1,3-Dichloropropene	< 8.95	ug/Kg	2/8/2016	20:18
Trichloroethene	< 8.95	ug/Kg	2/8/2016	20:18
Trichlorofluoromethane	< 8.95	ug/Kg	2/8/2016	20:18
Vinyl chloride	< 8.95	ug/Kg	2/8/2016	20:18

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-09 20160203

Lab Sample ID: 160494-01 **Date Sampled:** 2/3/2016

Matrix: Soil **Date Received:** 2/4/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**112**	83 - 126		2/8/2016	20:18
4-Bromofluorobenzene	**88.7**	80.8 - 115		2/8/2016	20:18
Pentafluorobenzene	**92.6**	90.6 - 111		2/8/2016	20:18
Toluene-D8	**97.5**	89.2 - 109		2/8/2016	20:18

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x29492.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-10 20160203
Lab Sample ID: 160494-02 **Date Sampled:** 2/3/2016
Matrix: Soil **Date Received:** 2/4/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.00897**	mg/Kg		2/9/2016 12:29

Method Reference(s): EPA 7471B
Preparation Date: 2/6/2016
Data File: Hg160219A

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**10300**	mg/Kg		2/10/2016 11:46
Antimony	< 3.10	mg/Kg		2/10/2016 11:46
Arsenic	**0.670**	mg/Kg		2/10/2016 11:46
Barium	**72.0**	mg/Kg		2/10/2016 11:46
Beryllium	**0.457**	mg/Kg		2/10/2016 11:46
Cadmium	< 0.258	mg/Kg		2/10/2016 11:46
Calcium	**1980**	mg/Kg		2/10/2016 11:46
Chromium	**33.0**	mg/Kg		2/10/2016 11:46
Cobalt	**13.1**	mg/Kg		2/10/2016 11:46
Copper	**31.1**	mg/Kg		2/10/2016 11:46
Iron	**21700**	mg/Kg		2/10/2016 11:46
Lead	**7.66**	mg/Kg		2/10/2016 11:46
Magnesium	**3660**	mg/Kg		2/10/2016 11:46
Manganese	**462**	mg/Kg		2/10/2016 11:46
Nickel	**21.3**	mg/Kg		2/10/2016 11:46
Potassium	**2520**	mg/Kg		2/10/2016 11:46
Selenium	< 0.517	mg/Kg		2/10/2016 11:46
Silver	< 0.517	mg/Kg		2/10/2016 11:46
Sodium	**155**	mg/Kg		2/10/2016 11:46
Thallium	< 1.29	mg/Kg		2/10/2016 11:46
Vanadium	**43.0**	mg/Kg		2/8/2016 17:56
Zinc	**50.0**	mg/Kg		2/10/2016 11:46

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-10 20160203
Lab Sample ID: 160494-02 **Date Sampled:** 2/3/2016
Matrix: Soil **Date Received:** 2/4/2016

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 2/5/2016
Data File: 021016a

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 314	ug/Kg		2/11/2016 00:43
Acenaphthylene	< 314	ug/Kg		2/11/2016 00:43
Anthracene	< 314	ug/Kg		2/11/2016 00:43
Benzo (a) anthracene	< 314	ug/Kg		2/11/2016 00:43
Benzo (a) pyrene	< 314	ug/Kg		2/11/2016 00:43
Benzo (b) fluoranthene	< 314	ug/Kg		2/11/2016 00:43
Benzo (g,h,i) perylene	< 314	ug/Kg		2/11/2016 00:43
Benzo (k) fluoranthene	< 314	ug/Kg		2/11/2016 00:43
Chrysene	< 314	ug/Kg		2/11/2016 00:43
Dibenz (a,h) anthracene	< 314	ug/Kg		2/11/2016 00:43
Fluoranthene	< 314	ug/Kg		2/11/2016 00:43
Fluorene	< 314	ug/Kg		2/11/2016 00:43
Indeno (1,2,3-cd) pyrene	< 314	ug/Kg		2/11/2016 00:43
Naphthalene	< 314	ug/Kg		2/11/2016 00:43
Phenanthrene	< 314	ug/Kg		2/11/2016 00:43
Pyrene	< 314	ug/Kg		2/11/2016 00:43

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**63.3**	22 - 96.1		2/11/2016 00:43
Nitrobenzene-d5	**58.7**	11.6 - 83.3		2/11/2016 00:43
Terphenyl-d14	**90.6**	60.4 - 114		2/11/2016 00:43

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 2/10/2016
Data File: B10107.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-10 20160203
Lab Sample ID: 160494-02 **Date Sampled:** 2/3/2016
Matrix: Soil **Date Received:** 2/4/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.99	ug/Kg		2/8/2016 20:42
1,1,2,2-Tetrachloroethane	< 7.99	ug/Kg		2/8/2016 20:42
1,1,2-Trichloroethane	< 7.99	ug/Kg		2/8/2016 20:42
1,1-Dichloroethane	< 7.99	ug/Kg		2/8/2016 20:42
1,1-Dichloroethene	< 7.99	ug/Kg		2/8/2016 20:42
1,2,3-Trichlorobenzene	< 20.0	ug/Kg		2/8/2016 20:42
1,2,4-Trichlorobenzene	< 20.0	ug/Kg		2/8/2016 20:42
1,2-Dibromo-3-Chloropropane	< 39.9	ug/Kg		2/8/2016 20:42
1,2-Dibromoethane	< 7.99	ug/Kg		2/8/2016 20:42
1,2-Dichlorobenzene	< 7.99	ug/Kg		2/8/2016 20:42
1,2-Dichloroethane	< 7.99	ug/Kg		2/8/2016 20:42
1,2-Dichloropropane	< 7.99	ug/Kg		2/8/2016 20:42
1,3-Dichlorobenzene	< 7.99	ug/Kg		2/8/2016 20:42
1,4-Dichlorobenzene	< 7.99	ug/Kg		2/8/2016 20:42
1,4-dioxane	< 79.9	ug/Kg		2/8/2016 20:42
2-Butanone	< 39.9	ug/Kg		2/8/2016 20:42
2-Hexanone	< 20.0	ug/Kg		2/8/2016 20:42
4-Methyl-2-pentanone	< 20.0	ug/Kg		2/8/2016 20:42
Acetone	< 39.9	ug/Kg		2/8/2016 20:42
Benzene	< 7.99	ug/Kg		2/8/2016 20:42
Bromochloromethane	< 20.0	ug/Kg		2/8/2016 20:42
Bromodichloromethane	< 7.99	ug/Kg		2/8/2016 20:42
Bromoform	< 20.0	ug/Kg		2/8/2016 20:42
Bromomethane	< 7.99	ug/Kg		2/8/2016 20:42
Carbon disulfide	< 7.99	ug/Kg		2/8/2016 20:42
Carbon Tetrachloride	< 7.99	ug/Kg		2/8/2016 20:42
Chlorobenzene	< 7.99	ug/Kg		2/8/2016 20:42
Chloroethane	< 7.99	ug/Kg		2/8/2016 20:42
Chloroform	< 7.99	ug/Kg		2/8/2016 20:42

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-10 20160203		
Lab Sample ID:	160494-02	**Date Sampled:**	2/3/2016
Matrix:	Soil	**Date Received:**	2/4/2016

Chloromethane	< 7.99	ug/Kg	2/8/2016 20:42
cis-1,2-Dichloroethene	< 7.99	ug/Kg	2/8/2016 20:42
cis-1,3-Dichloropropene	< 7.99	ug/Kg	2/8/2016 20:42
Cyclohexane	< 39.9	ug/Kg	2/8/2016 20:42
Dibromochloromethane	< 7.99	ug/Kg	2/8/2016 20:42
Dichlorodifluoromethane	< 7.99	ug/Kg	2/8/2016 20:42
Ethylbenzene	< 7.99	ug/Kg	2/8/2016 20:42
Freon 113	< 7.99	ug/Kg	2/8/2016 20:42
Isopropylbenzene	< 7.99	ug/Kg	2/8/2016 20:42
m,p-Xylene	< 7.99	ug/Kg	2/8/2016 20:42
Methyl acetate	< 7.99	ug/Kg	2/8/2016 20:42
Methyl tert-butyl Ether	< 7.99	ug/Kg	2/8/2016 20:42
Methylcyclohexane	< 7.99	ug/Kg	2/8/2016 20:42
Methylene chloride	< 20.0	ug/Kg	2/8/2016 20:42
o-Xylene	< 7.99	ug/Kg	2/8/2016 20:42
Styrene	< 20.0	ug/Kg	2/8/2016 20:42
Tetrachloroethene	< 7.99	ug/Kg	2/8/2016 20:42
Toluene	< 7.99	ug/Kg	2/8/2016 20:42
trans-1,2-Dichloroethene	< 7.99	ug/Kg	2/8/2016 20:42
trans-1,3-Dichloropropene	< 7.99	ug/Kg	2/8/2016 20:42
Trichloroethene	< 7.99	ug/Kg	2/8/2016 20:42
Trichlorofluoromethane	< 7.99	ug/Kg	2/8/2016 20:42
Vinyl chloride	< 7.99	ug/Kg	2/8/2016 20:42

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-10 20160203

Lab Sample ID: 160494-02 **Date Sampled:** 2/3/2016

Matrix: Soil **Date Received:** 2/4/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**112**	83 - 126		2/8/2016 20:42
4-Bromofluorobenzene	**91.9**	80.8 - 115		2/8/2016 20:42
Pentafluorobenzene	**92.9**	90.6 - 111		2/8/2016 20:42
Toluene-D8	**97.3**	89.2 - 109		2/8/2016 20:42

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x29493.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-11 20160203
Lab Sample ID: 160494-03 **Date Sampled:** 2/3/2016
Matrix: Soil **Date Received:** 2/4/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0346**	mg/Kg		2/9/2016 12:32

Method Reference(s): EPA 7471B
Preparation Date: 2/6/2016
Data File: Hg160219A

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**11700**	mg/Kg		2/10/2016 11:50
Antimony	< 3.09	mg/Kg		2/10/2016 11:50
Arsenic	**0.642**	mg/Kg		2/10/2016 11:50
Barium	**83.4**	mg/Kg		2/10/2016 11:50
Beryllium	**0.513**	mg/Kg		2/10/2016 11:50
Cadmium	< 0.258	mg/Kg		2/10/2016 11:50
Calcium	**2150**	mg/Kg		2/10/2016 11:50
Chromium	**24.4**	mg/Kg		2/10/2016 11:50
Cobalt	**11.4**	mg/Kg		2/10/2016 11:50
Copper	**29.1**	mg/Kg		2/10/2016 11:50
Iron	**19300**	mg/Kg		2/10/2016 11:50
Lead	**11.2**	mg/Kg		2/10/2016 11:50
Magnesium	**3360**	mg/Kg		2/10/2016 11:50
Manganese	**401**	mg/Kg		2/10/2016 11:50
Nickel	**20.5**	mg/Kg		2/10/2016 11:50
Potassium	**2710**	mg/Kg		2/10/2016 11:50
Selenium	< 0.516	mg/Kg		2/10/2016 11:50
Silver	< 0.516	mg/Kg		2/10/2016 11:50
Sodium	**153**	mg/Kg		2/10/2016 11:50
Thallium	< 1.29	mg/Kg		2/10/2016 11:50
Vanadium	**35.1**	mg/Kg		2/8/2016 18:01
Zinc	**50.2**	mg/Kg		2/10/2016 11:50

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-11 20160203		
Lab Sample ID:	160494-03	**Date Sampled:**	2/3/2016
Matrix:	Soil	**Date Received:**	2/4/2016

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 2/5/2016
Data File: 021016a

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 317	ug/Kg		2/11/2016 01:12
Acenaphthylene	< 317	ug/Kg		2/11/2016 01:12
Anthracene	< 317	ug/Kg		2/11/2016 01:12
Benzo (a) anthracene	< 317	ug/Kg		2/11/2016 01:12
Benzo (a) pyrene	< 317	ug/Kg		2/11/2016 01:12
Benzo (b) fluoranthene	< 317	ug/Kg		2/11/2016 01:12
Benzo (g,h,i) perylene	< 317	ug/Kg		2/11/2016 01:12
Benzo (k) fluoranthene	< 317	ug/Kg		2/11/2016 01:12
Chrysene	< 317	ug/Kg		2/11/2016 01:12
Dibenz (a,h) anthracene	< 317	ug/Kg		2/11/2016 01:12
Fluoranthene	< 317	ug/Kg		2/11/2016 01:12
Fluorene	< 317	ug/Kg		2/11/2016 01:12
Indeno (1,2,3-cd) pyrene	< 317	ug/Kg		2/11/2016 01:12
Naphthalene	< 317	ug/Kg		2/11/2016 01:12
Phenanthrene	< 317	ug/Kg		2/11/2016 01:12
Pyrene	< 317	ug/Kg		2/11/2016 01:12

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**58.8**	22 - 96.1		2/11/2016 01:12
Nitrobenzene-d5	**54.5**	11.6 - 83.3		2/11/2016 01:12
Terphenyl-d14	**81.4**	60.4 - 114		2/11/2016 01:12

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 2/10/2016
Data File: B10108.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-11 20160203
Lab Sample ID: 160494-03 **Date Sampled:** 2/3/2016
Matrix: Soil **Date Received:** 2/4/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 6.29	ug/Kg		2/5/2016 22:47
1,1,2,2-Tetrachloroethane	< 6.29	ug/Kg		2/5/2016 22:47
1,1,2-Trichloroethane	< 6.29	ug/Kg		2/5/2016 22:47
1,1-Dichloroethane	< 6.29	ug/Kg		2/5/2016 22:47
1,1-Dichloroethene	< 6.29	ug/Kg		2/5/2016 22:47
1,2,3-Trichlorobenzene	< 15.7	ug/Kg		2/5/2016 22:47
1,2,4-Trichlorobenzene	< 15.7	ug/Kg		2/5/2016 22:47
1,2-Dibromo-3-Chloropropane	< 31.5	ug/Kg		2/5/2016 22:47
1,2-Dibromoethane	< 6.29	ug/Kg		2/5/2016 22:47
1,2-Dichlorobenzene	< 6.29	ug/Kg		2/5/2016 22:47
1,2-Dichloroethane	< 6.29	ug/Kg		2/5/2016 22:47
1,2-Dichloropropane	< 6.29	ug/Kg		2/5/2016 22:47
1,3-Dichlorobenzene	< 6.29	ug/Kg		2/5/2016 22:47
1,4-Dichlorobenzene	< 6.29	ug/Kg		2/5/2016 22:47
1,4-dioxane	< 62.9	ug/Kg		2/5/2016 22:47
2-Butanone	< 31.5	ug/Kg		2/5/2016 22:47
2-Hexanone	< 15.7	ug/Kg		2/5/2016 22:47
4-Methyl-2-pentanone	< 15.7	ug/Kg		2/5/2016 22:47
Acetone	**106**	ug/Kg		2/5/2016 22:47
Benzene	< 6.29	ug/Kg		2/5/2016 22:47
Bromochloromethane	< 15.7	ug/Kg		2/5/2016 22:47
Bromodichloromethane	< 6.29	ug/Kg		2/5/2016 22:47
Bromoform	< 15.7	ug/Kg		2/5/2016 22:47
Bromomethane	< 6.29	ug/Kg		2/5/2016 22:47
Carbon disulfide	< 6.29	ug/Kg		2/5/2016 22:47
Carbon Tetrachloride	< 6.29	ug/Kg		2/5/2016 22:47
Chlorobenzene	< 6.29	ug/Kg		2/5/2016 22:47
Chloroethane	< 6.29	ug/Kg		2/5/2016 22:47
Chloroform	< 6.29	ug/Kg		2/5/2016 22:47

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-11 20160203
Lab Sample ID: 160494-03 **Date Sampled:** 2/3/2016
Matrix: Soil **Date Received:** 2/4/2016

Chloromethane	< 6.29	ug/Kg	2/5/2016	22:47
cis-1,2-Dichloroethene	< 6.29	ug/Kg	2/5/2016	22:47
cis-1,3-Dichloropropene	< 6.29	ug/Kg	2/5/2016	22:47
Cyclohexane	< 31.5	ug/Kg	2/5/2016	22:47
Dibromochloromethane	< 6.29	ug/Kg	2/5/2016	22:47
Dichlorodifluoromethane	< 6.29	ug/Kg	2/5/2016	22:47
Ethylbenzene	< 6.29	ug/Kg	2/5/2016	22:47
Freon 113	< 6.29	ug/Kg	2/5/2016	22:47
Isopropylbenzene	< 6.29	ug/Kg	2/5/2016	22:47
m,p-Xylene	< 6.29	ug/Kg	2/5/2016	22:47
Methyl acetate	< 6.29	ug/Kg	2/5/2016	22:47
Methyl tert-butyl Ether	< 6.29	ug/Kg	2/5/2016	22:47
Methylcyclohexane	< 6.29	ug/Kg	2/5/2016	22:47
Methylene chloride	< 15.7	ug/Kg	2/5/2016	22:47
o-Xylene	< 6.29	ug/Kg	2/5/2016	22:47
Styrene	< 15.7	ug/Kg	2/5/2016	22:47
Tetrachloroethene	< 6.29	ug/Kg	2/5/2016	22:47
Toluene	< 6.29	ug/Kg	2/5/2016	22:47
trans-1,2-Dichloroethene	< 6.29	ug/Kg	2/5/2016	22:47
trans-1,3-Dichloropropene	< 6.29	ug/Kg	2/5/2016	22:47
Trichloroethene	< 6.29	ug/Kg	2/5/2016	22:47
Trichlorofluoromethane	< 6.29	ug/Kg	2/5/2016	22:47
Vinyl chloride	< 6.29	ug/Kg	2/5/2016	22:47

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-11 20160203

Lab Sample ID: 160494-03 **Date Sampled:** 2/3/2016

Matrix: Soil **Date Received:** 2/4/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**108**	83 - 126		2/5/2016	22:47
4-Bromofluorobenzene	**90.8**	80.8 - 115		2/5/2016	22:47
Pentafluorobenzene	**94.9**	90.6 - 111		2/5/2016	22:47
Toluene-D8	**97.3**	89.2 - 109		2/5/2016	22:47

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x29467.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-12 20160203		
Lab Sample ID:	160494-04	**Date Sampled:**	2/3/2016
Matrix:	Soil	**Date Received:**	2/4/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.172**	mg/Kg		2/9/2016 12:35

Method Reference(s): EPA 7471B
Preparation Date: 2/6/2016
Data File: Hg160219A

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**11300**	mg/Kg		2/10/2016 11:55
Antimony	< 3.25	mg/Kg		2/10/2016 11:55
Arsenic	**1.28**	mg/Kg		2/10/2016 11:55
Barium	**109**	mg/Kg		2/10/2016 11:55
Beryllium	**0.548**	mg/Kg		2/10/2016 11:55
Cadmium	< 0.270	mg/Kg		2/10/2016 11:55
Calcium	**12100**	mg/Kg		2/10/2016 11:55
Chromium	**25.4**	mg/Kg		2/10/2016 11:55
Cobalt	**11.4**	mg/Kg		2/10/2016 11:55
Copper	**26.5**	mg/Kg		2/10/2016 11:55
Iron	**19700**	mg/Kg		2/10/2016 11:55
Lead	**106**	mg/Kg		2/10/2016 11:55
Magnesium	**3940**	mg/Kg		2/10/2016 11:55
Manganese	**322**	mg/Kg		2/10/2016 11:55
Nickel	**17.7**	mg/Kg		2/10/2016 11:55
Potassium	**3090**	mg/Kg		2/10/2016 11:55
Selenium	< 0.541	mg/Kg		2/10/2016 11:55
Silver	< 0.541	mg/Kg		2/10/2016 11:55
Sodium	**158**	mg/Kg		2/10/2016 11:55
Thallium	< 1.35	mg/Kg		2/10/2016 11:55
Vanadium	**30.7**	mg/Kg		2/8/2016 18:05
Zinc	**90.3**	mg/Kg		2/10/2016 11:55

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-12 20160203
Lab Sample ID: 160494-04 **Date Sampled:** 2/3/2016
Matrix: Soil **Date Received:** 2/4/2016

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 2/5/2016
Data File: 021016a

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 312	ug/Kg		2/11/2016 01:40
Acenaphthylene	< 312	ug/Kg		2/11/2016 01:40
Anthracene	< 312	ug/Kg		2/11/2016 01:40
Benzo (a) anthracene	< 312	ug/Kg		2/11/2016 01:40
Benzo (a) pyrene	< 312	ug/Kg		2/11/2016 01:40
Benzo (b) fluoranthene	< 312	ug/Kg		2/11/2016 01:40
Benzo (g,h,i) perylene	< 312	ug/Kg		2/11/2016 01:40
Benzo (k) fluoranthene	< 312	ug/Kg		2/11/2016 01:40
Chrysene	< 312	ug/Kg		2/11/2016 01:40
Dibenz (a,h) anthracene	< 312	ug/Kg		2/11/2016 01:40
Fluoranthene	< 312	ug/Kg		2/11/2016 01:40
Fluorene	< 312	ug/Kg		2/11/2016 01:40
Indeno (1,2,3-cd) pyrene	< 312	ug/Kg		2/11/2016 01:40
Naphthalene	< 312	ug/Kg		2/11/2016 01:40
Phenanthrene	< 312	ug/Kg		2/11/2016 01:40
Pyrene	< 312	ug/Kg		2/11/2016 01:40

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**61.7**	22 - 96.1		2/11/2016 01:40
Nitrobenzene-d5	**56.7**	11.6 - 83.3		2/11/2016 01:40
Terphenyl-d14	**88.9**	60.4 - 114		2/11/2016 01:40

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 2/10/2016
Data File: B10109.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-12 20160203
Lab Sample ID: 160494-04 **Date Sampled:** 2/3/2016
Matrix: Soil **Date Received:** 2/4/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.03	ug/Kg		2/8/2016 21:06
1,1,2,2-Tetrachloroethane	< 7.03	ug/Kg		2/8/2016 21:06
1,1,2-Trichloroethane	< 7.03	ug/Kg		2/8/2016 21:06
1,1-Dichloroethane	< 7.03	ug/Kg		2/8/2016 21:06
1,1-Dichloroethene	< 7.03	ug/Kg		2/8/2016 21:06
1,2,3-Trichlorobenzene	< 17.6	ug/Kg		2/8/2016 21:06
1,2,4-Trichlorobenzene	< 17.6	ug/Kg		2/8/2016 21:06
1,2-Dibromo-3-Chloropropane	< 35.1	ug/Kg		2/8/2016 21:06
1,2-Dibromoethane	< 7.03	ug/Kg		2/8/2016 21:06
1,2-Dichlorobenzene	< 7.03	ug/Kg		2/8/2016 21:06
1,2-Dichloroethane	< 7.03	ug/Kg		2/8/2016 21:06
1,2-Dichloropropane	< 7.03	ug/Kg		2/8/2016 21:06
1,3-Dichlorobenzene	< 7.03	ug/Kg		2/8/2016 21:06
1,4-Dichlorobenzene	< 7.03	ug/Kg		2/8/2016 21:06
1,4-dioxane	< 70.3	ug/Kg		2/8/2016 21:06
2-Butanone	< 35.1	ug/Kg		2/8/2016 21:06
2-Hexanone	< 17.6	ug/Kg		2/8/2016 21:06
4-Methyl-2-pentanone	< 17.6	ug/Kg		2/8/2016 21:06
Acetone	< 35.1	ug/Kg		2/8/2016 21:06
Benzene	< 7.03	ug/Kg		2/8/2016 21:06
Bromochloromethane	< 17.6	ug/Kg		2/8/2016 21:06
Bromodichloromethane	< 7.03	ug/Kg		2/8/2016 21:06
Bromoform	< 17.6	ug/Kg		2/8/2016 21:06
Bromomethane	< 7.03	ug/Kg		2/8/2016 21:06
Carbon disulfide	< 7.03	ug/Kg		2/8/2016 21:06
Carbon Tetrachloride	< 7.03	ug/Kg		2/8/2016 21:06
Chlorobenzene	< 7.03	ug/Kg		2/8/2016 21:06
Chloroethane	< 7.03	ug/Kg		2/8/2016 21:06
Chloroform	< 7.03	ug/Kg		2/8/2016 21:06

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-12 20160203
Lab Sample ID: 160494-04 **Date Sampled:** 2/3/2016
Matrix: Soil **Date Received:** 2/4/2016

Chloromethane	< 7.03	ug/Kg	2/8/2016	21:06
cis-1,2-Dichloroethene	< 7.03	ug/Kg	2/8/2016	21:06
cis-1,3-Dichloropropene	< 7.03	ug/Kg	2/8/2016	21:06
Cyclohexane	< 35.1	ug/Kg	2/8/2016	21:06
Dibromochloromethane	< 7.03	ug/Kg	2/8/2016	21:06
Dichlorodifluoromethane	< 7.03	ug/Kg	2/8/2016	21:06
Ethylbenzene	< 7.03	ug/Kg	2/8/2016	21:06
Freon 113	< 7.03	ug/Kg	2/8/2016	21:06
Isopropylbenzene	< 7.03	ug/Kg	2/8/2016	21:06
m,p-Xylene	< 7.03	ug/Kg	2/8/2016	21:06
Methyl acetate	< 7.03	ug/Kg	2/8/2016	21:06
Methyl tert-butyl Ether	< 7.03	ug/Kg	2/8/2016	21:06
Methylcyclohexane	< 7.03	ug/Kg	2/8/2016	21:06
Methylene chloride	< 17.6	ug/Kg	2/8/2016	21:06
o-Xylene	< 7.03	ug/Kg	2/8/2016	21:06
Styrene	< 17.6	ug/Kg	2/8/2016	21:06
Tetrachloroethene	< 7.03	ug/Kg	2/8/2016	21:06
Toluene	< 7.03	ug/Kg	2/8/2016	21:06
trans-1,2-Dichloroethene	< 7.03	ug/Kg	2/8/2016	21:06
trans-1,3-Dichloropropene	< 7.03	ug/Kg	2/8/2016	21:06
Trichloroethene	< 7.03	ug/Kg	2/8/2016	21:06
Trichlorofluoromethane	< 7.03	ug/Kg	2/8/2016	21:06
Vinyl chloride	< 7.03	ug/Kg	2/8/2016	21:06

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-12 20160203

Lab Sample ID: 160494-04 **Date Sampled:** 2/3/2016

Matrix: Soil **Date Received:** 2/4/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**113**	83 - 126		2/8/2016	21:06
4-Bromofluorobenzene	**87.6**	80.8 - 115		2/8/2016	21:06
Pentafluorobenzene	**91.8**	90.6 - 111		2/8/2016	21:06
Toluene-D8	**96.7**	89.2 - 109		2/8/2016	21:06

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x29494.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-13 20160203		
Lab Sample ID:	160494-05	**Date Sampled:**	2/3/2016
Matrix:	Soil	**Date Received:**	2/4/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0303**	mg/Kg		2/9/2016 12:39

Method Reference(s): EPA 7471B
Preparation Date: 2/6/2016
Data File: Hg160219A

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**20100**	mg/Kg		2/10/2016 11:59
Antimony	< 3.31	mg/Kg		2/10/2016 11:59
Arsenic	< 0.551	mg/Kg		2/10/2016 11:59
Barium	**100**	mg/Kg		2/10/2016 11:59
Beryllium	**0.586**	mg/Kg		2/10/2016 11:59
Cadmium	< 0.276	mg/Kg		2/10/2016 11:59
Calcium	**1810**	mg/Kg		2/10/2016 11:59
Chromium	**35.4**	mg/Kg		2/10/2016 11:59
Cobalt	**16.3**	mg/Kg		2/10/2016 11:59
Copper	**28.3**	mg/Kg		2/10/2016 11:59
Iron	**27000**	mg/Kg		2/10/2016 11:59
Lead	**9.63**	mg/Kg		2/10/2016 11:59
Magnesium	**6510**	mg/Kg		2/10/2016 11:59
Manganese	**190**	mg/Kg		2/10/2016 11:59
Nickel	**31.0**	mg/Kg		2/10/2016 11:59
Potassium	**2860**	mg/Kg		2/10/2016 11:59
Selenium	< 0.551	mg/Kg		2/10/2016 11:59
Silver	< 0.551	mg/Kg		2/10/2016 11:59
Sodium	**150**	mg/Kg		2/10/2016 11:59
Thallium	**4.01**	mg/Kg		2/10/2016 11:59
Vanadium	**49.4**	mg/Kg		2/8/2016 18:10
Zinc	**59.7**	mg/Kg		2/10/2016 11:59

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-13 20160203
Lab Sample ID: 160494-05 **Date Sampled:** 2/3/2016
Matrix: Soil **Date Received:** 2/4/2016

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 2/5/2016
Data File: 021016a

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 327	ug/Kg		2/11/2016 02:09
Acenaphthylene	< 327	ug/Kg		2/11/2016 02:09
Anthracene	< 327	ug/Kg		2/11/2016 02:09
Benzo (a) anthracene	< 327	ug/Kg		2/11/2016 02:09
Benzo (a) pyrene	< 327	ug/Kg		2/11/2016 02:09
Benzo (b) fluoranthene	< 327	ug/Kg		2/11/2016 02:09
Benzo (g,h,i) perylene	< 327	ug/Kg		2/11/2016 02:09
Benzo (k) fluoranthene	< 327	ug/Kg		2/11/2016 02:09
Chrysene	< 327	ug/Kg		2/11/2016 02:09
Dibenz (a,h) anthracene	< 327	ug/Kg		2/11/2016 02:09
Fluoranthene	< 327	ug/Kg		2/11/2016 02:09
Fluorene	< 327	ug/Kg		2/11/2016 02:09
Indeno (1,2,3-cd) pyrene	< 327	ug/Kg		2/11/2016 02:09
Naphthalene	< 327	ug/Kg		2/11/2016 02:09
Phenanthrene	< 327	ug/Kg		2/11/2016 02:09
Pyrene	< 327	ug/Kg		2/11/2016 02:09

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**56.7**	22 - 96.1		2/11/2016 02:09
Nitrobenzene-d5	**52.0**	11.6 - 83.3		2/11/2016 02:09
Terphenyl-d14	**84.2**	60.4 - 114		2/11/2016 02:09

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 2/10/2016
Data File: B10110.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-13 20160203
Lab Sample ID: 160494-05 **Date Sampled:** 2/3/2016
Matrix: Soil **Date Received:** 2/4/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.26	ug/Kg		2/8/2016 21:30
1,1,2,2-Tetrachloroethane	< 7.26	ug/Kg		2/8/2016 21:30
1,1,2-Trichloroethane	< 7.26	ug/Kg		2/8/2016 21:30
1,1-Dichloroethane	< 7.26	ug/Kg		2/8/2016 21:30
1,1-Dichloroethene	< 7.26	ug/Kg		2/8/2016 21:30
1,2,3-Trichlorobenzene	< 18.1	ug/Kg		2/8/2016 21:30
1,2,4-Trichlorobenzene	< 18.1	ug/Kg		2/8/2016 21:30
1,2-Dibromo-3-Chloropropane	< 36.3	ug/Kg		2/8/2016 21:30
1,2-Dibromoethane	< 7.26	ug/Kg		2/8/2016 21:30
1,2-Dichlorobenzene	< 7.26	ug/Kg		2/8/2016 21:30
1,2-Dichloroethane	< 7.26	ug/Kg		2/8/2016 21:30
1,2-Dichloropropane	< 7.26	ug/Kg		2/8/2016 21:30
1,3-Dichlorobenzene	< 7.26	ug/Kg		2/8/2016 21:30
1,4-Dichlorobenzene	< 7.26	ug/Kg		2/8/2016 21:30
1,4-dioxane	< 72.6	ug/Kg		2/8/2016 21:30
2-Butanone	< 36.3	ug/Kg		2/8/2016 21:30
2-Hexanone	< 18.1	ug/Kg		2/8/2016 21:30
4-Methyl-2-pentanone	< 18.1	ug/Kg		2/8/2016 21:30
Acetone	< 36.3	ug/Kg		2/8/2016 21:30
Benzene	< 7.26	ug/Kg		2/8/2016 21:30
Bromochloromethane	< 18.1	ug/Kg		2/8/2016 21:30
Bromodichloromethane	< 7.26	ug/Kg		2/8/2016 21:30
Bromoform	< 18.1	ug/Kg		2/8/2016 21:30
Bromomethane	< 7.26	ug/Kg		2/8/2016 21:30
Carbon disulfide	< 7.26	ug/Kg		2/8/2016 21:30
Carbon Tetrachloride	< 7.26	ug/Kg		2/8/2016 21:30
Chlorobenzene	< 7.26	ug/Kg		2/8/2016 21:30
Chloroethane	< 7.26	ug/Kg		2/8/2016 21:30
Chloroform	< 7.26	ug/Kg		2/8/2016 21:30

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-13 20160203		
Lab Sample ID:	160494-05	**Date Sampled:**	2/3/2016
Matrix:	Soil	**Date Received:**	2/4/2016

Chloromethane	< 7.26	ug/Kg	2/8/2016 21:30
cis-1,2-Dichloroethene	< 7.26	ug/Kg	2/8/2016 21:30
cis-1,3-Dichloropropene	< 7.26	ug/Kg	2/8/2016 21:30
Cyclohexane	< 36.3	ug/Kg	2/8/2016 21:30
Dibromochloromethane	< 7.26	ug/Kg	2/8/2016 21:30
Dichlorodifluoromethane	< 7.26	ug/Kg	2/8/2016 21:30
Ethylbenzene	< 7.26	ug/Kg	2/8/2016 21:30
Freon 113	< 7.26	ug/Kg	2/8/2016 21:30
Isopropylbenzene	< 7.26	ug/Kg	2/8/2016 21:30
m,p-Xylene	< 7.26	ug/Kg	2/8/2016 21:30
Methyl acetate	< 7.26	ug/Kg	2/8/2016 21:30
Methyl tert-butyl Ether	< 7.26	ug/Kg	2/8/2016 21:30
Methylcyclohexane	< 7.26	ug/Kg	2/8/2016 21:30
Methylene chloride	< 18.1	ug/Kg	2/8/2016 21:30
o-Xylene	< 7.26	ug/Kg	2/8/2016 21:30
Styrene	< 18.1	ug/Kg	2/8/2016 21:30
Tetrachloroethene	< 7.26	ug/Kg	2/8/2016 21:30
Toluene	< 7.26	ug/Kg	2/8/2016 21:30
trans-1,2-Dichloroethene	< 7.26	ug/Kg	2/8/2016 21:30
trans-1,3-Dichloropropene	< 7.26	ug/Kg	2/8/2016 21:30
Trichloroethene	< 7.26	ug/Kg	2/8/2016 21:30
Trichlorofluoromethane	< 7.26	ug/Kg	2/8/2016 21:30
Vinyl chloride	< 7.26	ug/Kg	2/8/2016 21:30

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-13 20160203

Lab Sample ID: 160494-05 **Date Sampled:** 2/3/2016

Matrix: Soil **Date Received:** 2/4/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**111**	83 - 126		2/8/2016	21:30
4-Bromofluorobenzene	**91.0**	80.8 - 115		2/8/2016	21:30
Pentafluorobenzene	**91.7**	90.6 - 111		2/8/2016	21:30
Toluene-D8	**98.2**	89.2 - 109		2/8/2016	21:30

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x29495.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-11 3-4' 20160203		
Lab Sample ID:	160494-06	**Date Sampled:**	2/3/2016
Matrix:	Soil	**Date Received:**	2/4/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**3.21**	mg/Kg		2/9/2016 12:46

Method Reference(s): EPA 7471B
Preparation Date: 2/6/2016
Data File: Hg160219A

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**8580**	mg/Kg		2/10/2016 12:03
Antimony	< 3.21	mg/Kg	M	2/10/2016 12:03
Arsenic	**10.1**	mg/Kg		2/10/2016 12:03
Barium	**1110**	mg/Kg	DM	2/10/2016 12:03
Beryllium	< 0.268	mg/Kg		2/10/2016 12:03
Cadmium	**0.787**	mg/Kg	D	2/10/2016 12:03
Calcium	**25900**	mg/Kg	D	2/8/2016 18:14
Chromium	**21.6**	mg/Kg		2/10/2016 12:03
Cobalt	**8.33**	mg/Kg		2/10/2016 12:03
Copper	**70.5**	mg/Kg		2/10/2016 12:03
Iron	**24200**	mg/Kg		2/10/2016 12:03
Lead	**1170**	mg/Kg	DM	2/10/2016 12:03
Magnesium	**5190**	mg/Kg	D	2/10/2016 12:03
Manganese	**287**	mg/Kg		2/10/2016 12:03
Nickel	**15.3**	mg/Kg		2/10/2016 12:03
Potassium	**2180**	mg/Kg	M	2/10/2016 12:03
Selenium	**2.11**	mg/Kg	D	2/10/2016 12:03
Silver	< 0.535	mg/Kg		2/10/2016 12:03
Sodium	**510**	mg/Kg	D	2/10/2016 12:03
Thallium	**1.64**	mg/Kg	D	2/10/2016 12:03
Vanadium	**31.3**	mg/Kg		2/8/2016 18:14
Zinc	**484**	mg/Kg	DM	2/10/2016 12:03

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-11 3-4' 20160203
Lab Sample ID: 160494-06 **Date Sampled:** 2/3/2016
Matrix: Soil **Date Received:** 2/4/2016

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 2/5/2016
Data File: 021016a

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 1580	ug/Kg		2/11/2016 02:38
Acenaphthylene	< 1580	ug/Kg		2/11/2016 02:38
Anthracene	**2470**	ug/Kg		2/11/2016 02:38
Benzo (a) anthracene	**7290**	ug/Kg		2/11/2016 02:38
Benzo (a) pyrene	**5740**	ug/Kg		2/11/2016 02:38
Benzo (b) fluoranthene	**4640**	ug/Kg		2/11/2016 02:38
Benzo (g,h,i) perylene	**3480**	ug/Kg		2/11/2016 02:38
Benzo (k) fluoranthene	**3290**	ug/Kg		2/11/2016 02:38
Chrysene	**7890**	ug/Kg		2/11/2016 02:38
Dibenz (a,h) anthracene	< 1580	ug/Kg		2/11/2016 02:38
Fluoranthene	**12300**	ug/Kg		2/11/2016 02:38
Fluorene	< 1580	ug/Kg		2/11/2016 02:38
Indeno (1,2,3-cd) pyrene	**4740**	ug/Kg		2/11/2016 02:38
Naphthalene	**1750**	ug/Kg		2/11/2016 02:38
Phenanthrene	**15200**	ug/Kg		2/11/2016 02:38
Pyrene	**15100**	ug/Kg		2/11/2016 02:38

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**87.1**	22 - 96.1		2/11/2016 02:38
Nitrobenzene-d5	**69.0**	11.6 - 83.3		2/11/2016 02:38
Terphenyl-d14	**101**	60.4 - 114		2/11/2016 02:38

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 2/10/2016
Data File: B10111.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-11 3-4' 20160203
Lab Sample ID: 160494-06 **Date Sampled:** 2/3/2016
Matrix: Soil **Date Received:** 2/4/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 8.13	ug/Kg		2/8/2016 21:54
1,1,2,2-Tetrachloroethane	< 8.13	ug/Kg		2/8/2016 21:54
1,1,2-Trichloroethane	< 8.13	ug/Kg		2/8/2016 21:54
1,1-Dichloroethane	< 8.13	ug/Kg		2/8/2016 21:54
1,1-Dichloroethene	< 8.13	ug/Kg		2/8/2016 21:54
1,2,3-Trichlorobenzene	< 20.3	ug/Kg		2/8/2016 21:54
1,2,4-Trichlorobenzene	< 20.3	ug/Kg		2/8/2016 21:54
1,2-Dibromo-3-Chloropropane	< 40.6	ug/Kg		2/8/2016 21:54
1,2-Dibromoethane	< 8.13	ug/Kg		2/8/2016 21:54
1,2-Dichlorobenzene	< 8.13	ug/Kg		2/8/2016 21:54
1,2-Dichloroethane	< 8.13	ug/Kg		2/8/2016 21:54
1,2-Dichloropropane	< 8.13	ug/Kg		2/8/2016 21:54
1,3-Dichlorobenzene	< 8.13	ug/Kg		2/8/2016 21:54
1,4-Dichlorobenzene	< 8.13	ug/Kg		2/8/2016 21:54
1,4-dioxane	< 81.3	ug/Kg		2/8/2016 21:54
2-Butanone	< 40.6	ug/Kg		2/8/2016 21:54
2-Hexanone	< 20.3	ug/Kg		2/8/2016 21:54
4-Methyl-2-pentanone	< 20.3	ug/Kg		2/8/2016 21:54
Acetone	< 40.6	ug/Kg		2/8/2016 21:54
Benzene	< 8.13	ug/Kg		2/8/2016 21:54
Bromochloromethane	< 20.3	ug/Kg		2/8/2016 21:54
Bromodichloromethane	< 8.13	ug/Kg		2/8/2016 21:54
Bromoform	< 20.3	ug/Kg		2/8/2016 21:54
Bromomethane	< 8.13	ug/Kg		2/8/2016 21:54
Carbon disulfide	< 8.13	ug/Kg		2/8/2016 21:54
Carbon Tetrachloride	< 8.13	ug/Kg		2/8/2016 21:54
Chlorobenzene	< 8.13	ug/Kg		2/8/2016 21:54
Chloroethane	< 8.13	ug/Kg		2/8/2016 21:54
Chloroform	< 8.13	ug/Kg		2/8/2016 21:54

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier:	SB-11 3-4' 20160203		
Lab Sample ID:	160494-06	**Date Sampled:**	2/3/2016
Matrix:	Soil	**Date Received:**	2/4/2016

Chloromethane	< 8.13	ug/Kg	2/8/2016 21:54
cis-1,2-Dichloroethene	< 8.13	ug/Kg	2/8/2016 21:54
cis-1,3-Dichloropropene	< 8.13	ug/Kg	2/8/2016 21:54
Cyclohexane	< 40.6	ug/Kg	2/8/2016 21:54
Dibromochloromethane	< 8.13	ug/Kg	2/8/2016 21:54
Dichlorodifluoromethane	< 8.13	ug/Kg	2/8/2016 21:54
Ethylbenzene	< 8.13	ug/Kg	2/8/2016 21:54
Freon 113	< 8.13	ug/Kg	2/8/2016 21:54
Isopropylbenzene	< 8.13	ug/Kg	2/8/2016 21:54
m,p-Xylene	< 8.13	ug/Kg	2/8/2016 21:54
Methyl acetate	< 8.13	ug/Kg	2/8/2016 21:54
Methyl tert-butyl Ether	< 8.13	ug/Kg	2/8/2016 21:54
Methylcyclohexane	< 8.13	ug/Kg	2/8/2016 21:54
Methylene chloride	< 20.3	ug/Kg	2/8/2016 21:54
o-Xylene	< 8.13	ug/Kg	2/8/2016 21:54
Styrene	< 20.3	ug/Kg	2/8/2016 21:54
Tetrachloroethene	**134**	ug/Kg	2/8/2016 21:54
Toluene	< 8.13	ug/Kg	2/8/2016 21:54
trans-1,2-Dichloroethene	< 8.13	ug/Kg	2/8/2016 21:54
trans-1,3-Dichloropropene	< 8.13	ug/Kg	2/8/2016 21:54
Trichloroethene	< 8.13	ug/Kg	2/8/2016 21:54
Trichlorofluoromethane	< 8.13	ug/Kg	2/8/2016 21:54
Vinyl chloride	< 8.13	ug/Kg	2/8/2016 21:54

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 160494

Client: **PVE Sheffler**

Project Reference: 560999

Sample Identifier: SB-11 3-4' 20160203

Lab Sample ID: 160494-06 **Date Sampled:** 2/3/2016

Matrix: Soil **Date Received:** 2/4/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**119**	83 - 126		2/8/2016	21:54
4-Bromofluorobenzene	**84.3**	80.8 - 115		2/8/2016	21:54
Pentafluorobenzene	**90.1**	90.6 - 111	*	2/8/2016	21:54
Toluene-D8	**93.9**	89.2 - 109		2/8/2016	21:54

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x29496.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

Analytical Report Appendix

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

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

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.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

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 analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

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

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
CLIENT: AS ~~PVE~~ S. PVE SHEFFLER LLC	CLIENT:	LAB PROJECT ID: 160494
ADDRESS: 48 SPRINGSIDE AVE.	ADDRESS:	Quotation #:
CITY: POUGHKEEPSIE STATE: NY ZIP: 12603	CITY: STATE: ZIP:	
PHONE: 845-454-2544	PHONE:	Email:
ATTN: CTARBELL@PVESHEFFLER.COM ; ASPADAVECCHIA@PVESHEFFLER.COM	ATTN:	

PROJECT REFERENCE

560999

Matrix Codes:

AQ - Aqueous Liquid; **NQ** - Non-Aqueous Liquid; **WA** - Water; **WG** - Groundwater; **DW** - Drinking Water; **WW** - Wastewater; **SO** - Soil; **SL** - Sludge; **SD** - Solid; **PT** - Paint; **WP** - Wipe; **CK** - Caulk; **OL** - Oil; **AR** - Air

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	02-03-16	0800		X	SB-09 20160203 (AS)	SO	1	• TCL VOCs 8260	01
2		0825		X	SB-10 20160203		1	• PAHs 8270	02
3		0905		X	SB-11' 20160203		1	• TARGET ANALYTE LIST OF METALS	03
4		0935		X	SB-12 20160203		1		04
5	AS	1010		X	SB-13 20160203	AS	1	AS	05
6		0910		X	SB-11 3-4' 20160203		1		06
7									
8									
9									
10									

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	✓	Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	✓
Rush 2 day		Category B			
Rush 1 day					
Other please indicate:		Other please indicate:		Other EDD please indicate:	

Sampled By — Date/Time: 02-03-2016 / 1325

Relinquished By — Date/Time:

Received By — Date/Time:

Received @ Lab By: DP — Date/Time: 2/4/16 12:28

Total Cost:

P.I.F.

5°C iced 2/4/16 10:45

Chain of Custody Supplement

Client: PVE Sheffler **Completed by:** Glenn Pezzullo

Lab Project ID: 160494 **Date:** 2/4/16

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt: Yes	No	N/A
Container Type	X	X 5035	
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)			X
Comments			
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		X Metals
Comments	5°C iced		
Sufficient Sample Quantity	X		
Comments			

Technical Report

prepared for:

PVE Sheffler
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Conor Tarbell

Report Date: 02/08/2016
Client Project ID: 560999
York Project (SDG) No.: 16B0057

Report Date: 02/08/2016
Client Project ID: 560999
York Project (SDG) No.: 16B0057

PVE Sheffler
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Conor Tarbell

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 02, 2016 and listed below. The project was identified as your project: **560999**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
16B0057-01	SV-1 20160201	Soil Vapor	02/01/2016	02/02/2016
16B0057-02	SV-2 20160201	Soil Vapor	02/01/2016	02/02/2016
16B0057-03	SV-3 20160201	Soil Vapor	02/01/2016	02/02/2016
16B0057-04	SV-4 20160201	Soil Vapor	02/01/2016	02/02/2016
16B0057-05	SV-5 20160201	Soil Vapor	02/01/2016	02/02/2016

General Notes for York Project (SDG) No.: 16B0057

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 02/08/2016

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SV-1 20160201 **York Sample ID:** 16B0057-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	14	14	20.16	EPA TO-15 Certifications:	02/03/2016 07:56	02/03/2016 23:51	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	11	11	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	14	14	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	15	15	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	11	11	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	8.2	8.2	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	8.0	8.0	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	15	15	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	9.9	9.9	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	15	15	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	12	12	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	8.2	8.2	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	9.3	9.3	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	14	14	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	9.9	9.9	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	26	26	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	12	12	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	9.3	9.3	20.16	EPA TO-15 Certifications:	02/03/2016 07:56	02/03/2016 23:51	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	12	12	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	15	15	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
78-93-3	2-Butanone	ND		ug/m³	5.9	5.9	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS

Sample Information

Client Sample ID: SV-1 20160201 **York Sample ID:** 16B0057-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m³	17	17	20.16	EPA TO-15 Certifications:	02/03/2016 07:56	02/03/2016 23:51	LDS
107-05-1	3-Chloropropene	ND		ug/m³	32	32	20.16	EPA TO-15 Certifications: NELAC-NY10854	02/03/2016 07:56	02/03/2016 23:51	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	8.3	8.3	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
67-64-1	**Acetone**	**20**		ug/m³	9.6	9.6	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
107-13-1	Acrylonitrile	ND		ug/m³	4.4	4.4	20.16	EPA TO-15 Certifications: NELAC-NY10854	02/03/2016 07:56	02/03/2016 23:51	LDS
71-43-2	Benzene	ND		ug/m³	6.4	6.4	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
100-44-7	Benzyl chloride	ND		ug/m³	10	10	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	13	13	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
75-25-2	Bromoform	ND		ug/m³	21	21	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
74-83-9	Bromomethane	ND		ug/m³	7.8	7.8	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
75-15-0	Carbon disulfide	ND		ug/m³	6.3	6.3	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	3.2	3.2	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
108-90-7	Chlorobenzene	ND		ug/m³	9.3	9.3	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
75-00-3	Chloroethane	ND		ug/m³	5.3	5.3	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
67-66-3	Chloroform	ND		ug/m³	9.8	9.8	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
74-87-3	Chloromethane	ND		ug/m³	4.2	4.2	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	8.0	8.0	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	9.1	9.1	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
110-82-7	Cyclohexane	ND		ug/m³	6.9	6.9	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	16	16	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m³	10	10	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	15	15	20.16	EPA TO-15 Certifications:	02/03/2016 07:56	02/03/2016 23:51	LDS

Sample Information

Client Sample ID: SV-1 20160201 **York Sample ID:** 16B0057-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/m³	8.8	8.8	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/m³	22	22	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			
67-63-0	Isopropanol	ND		ug/m³	9.9	9.9	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			
80-62-6	Methyl Methacrylate	ND		ug/m³	8.3	8.3	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	7.3	7.3	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/m³	14	14	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			
142-82-5	n-Heptane	ND		ug/m³	8.3	8.3	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			
110-54-3	n-Hexane	ND		ug/m³	7.1	7.1	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			
95-47-6	o-Xylene	ND		ug/m³	8.8	8.8	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			
179601-23-1	p- & m- Xylenes	ND		ug/m³	18	18	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			
622-96-8	* p-Ethyltoluene	ND		ug/m³	9.9	9.9	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications:			
115-07-1	*** Propylene**	**81**		ug/m³	3.5	3.5	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications:			
100-42-5	Styrene	ND		ug/m³	8.6	8.6	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			
127-18-4	**Tetrachloroethylene**	**1200**		ug/m³	3.4	3.4	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			
109-99-9	* Tetrahydrofuran	ND		ug/m³	12	12	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications:			
108-88-3	Toluene	ND		ug/m³	7.6	7.6	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	8.0	8.0	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	9.1	9.1	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			
79-01-6	**Trichloroethylene**	**390**		ug/m³	2.7	2.7	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	11	11	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			
108-05-4	Vinyl acetate	ND		ug/m³	7.1	7.1	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			
593-60-2	Vinyl bromide	ND		ug/m³	8.8	8.8	20.16	EPA TO-15	02/03/2016 07:56	02/03/2016 23:51	LDS
								Certifications: NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: SV-1 20160201 **York Sample ID:** 16B0057-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	5.2	5.2	20.16	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/03/2016 23:51	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*91.9 %*	*72-118*

Sample Information

Client Sample ID: SV-2 20160201 **York Sample ID:** 16B0057-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	12	12	16.86	EPA TO-15 Certifications:	02/03/2016 07:56	02/04/2016 00:41	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	9.2	9.2	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	12	12	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	13	13	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	9.2	9.2	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	6.8	6.8	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	6.7	6.7	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	13	13	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	8.3	8.3	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	13	13	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	10	10	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	6.8	6.8	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	7.8	7.8	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS

Sample Information

Client Sample ID: SV-2 20160201 **York Sample ID:** 16B0057-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	12	12	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	8.3	8.3	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	22	22	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	10	10	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	7.8	7.8	16.86	EPA TO-15 Certifications:	02/03/2016 07:56	02/04/2016 00:41	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	10	10	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	12	12	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
78-93-3	**2-Butanone**	**380**		ug/m³	5.0	5.0	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	14	14	16.86	EPA TO-15 Certifications:	02/03/2016 07:56	02/04/2016 00:41	LDS
107-05-1	3-Chloropropene	ND		ug/m³	26	26	16.86	EPA TO-15 Certifications: NELAC-NY10854	02/03/2016 07:56	02/04/2016 00:41	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	6.9	6.9	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
67-64-1	**Acetone**	**120**		ug/m³	8.0	8.0	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
107-13-1	Acrylonitrile	ND		ug/m³	3.7	3.7	16.86	EPA TO-15 Certifications: NELAC-NY10854	02/03/2016 07:56	02/04/2016 00:41	LDS
71-43-2	**Benzene**	**6.5**		ug/m³	5.4	5.4	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
100-44-7	Benzyl chloride	ND		ug/m³	8.7	8.7	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	10	10	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
75-25-2	Bromoform	ND		ug/m³	17	17	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
74-83-9	Bromomethane	ND		ug/m³	6.5	6.5	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
75-15-0	Carbon disulfide	ND		ug/m³	5.3	5.3	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	2.7	2.7	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
108-90-7	Chlorobenzene	ND		ug/m³	7.8	7.8	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
75-00-3	Chloroethane	ND		ug/m³	4.4	4.4	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS

Sample Information

Client Sample ID: SV-2 20160201 **York Sample ID:** 16B0057-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/m³	8.2	8.2	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
74-87-3	Chloromethane	ND		ug/m³	3.5	3.5	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	6.7	6.7	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	7.7	7.7	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
110-82-7	**Cyclohexane**	**17**		ug/m³	5.8	5.8	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	14	14	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m³	8.3	8.3	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	12	12	16.86	EPA TO-15 Certifications:	02/03/2016 07:56	02/04/2016 00:41	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	7.3	7.3	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	18	18	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
67-63-0	Isopropanol	ND		ug/m³	8.3	8.3	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	6.9	6.9	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.1	6.1	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
75-09-2	Methylene chloride	ND		ug/m³	12	12	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
142-82-5	**n-Heptane**	**35**		ug/m³	6.9	6.9	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
110-54-3	**n-Hexane**	**11**		ug/m³	5.9	5.9	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
95-47-6	**o-Xylene**	**7.3**		ug/m³	7.3	7.3	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
179601-23-1	**p- & m- Xylenes**	**18**		ug/m³	15	15	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	8.3	8.3	16.86	EPA TO-15 Certifications:	02/03/2016 07:56	02/04/2016 00:41	LDS
115-07-1	* Propylene	ND		ug/m³	2.9	2.9	16.86	EPA TO-15 Certifications:	02/03/2016 07:56	02/04/2016 00:41	LDS
100-42-5	Styrene	ND		ug/m³	7.2	7.2	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
127-18-4	**Tetrachloroethylene**	**250**		ug/m³	2.9	2.9	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS

Sample Information

Client Sample ID: SV-2 20160201 **York Sample ID:** 16B0057-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
109-99-9	* Tetrahydrofuran	ND		ug/m³	9.9	9.9	16.86	EPA TO-15 Certifications:	02/03/2016 07:56	02/04/2016 00:41	LDS
108-88-3	**Toluene**	**41**		ug/m³	6.4	6.4	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	6.7	6.7	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	7.7	7.7	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
79-01-6	Trichloroethylene	ND		ug/m³	2.3	2.3	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	9.5	9.5	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
108-05-4	Vinyl acetate	ND		ug/m³	5.9	5.9	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
593-60-2	Vinyl bromide	ND		ug/m³	7.4	7.4	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	4.3	4.3	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 00:41	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.0 %*	*72-118*

Sample Information

Client Sample ID: SV-3 20160201 **York Sample ID:** 16B0057-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	12	12	18	EPA TO-15 Certifications:	02/03/2016 07:56	02/04/2016 01:30	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	9.8	9.8	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	12	12	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	14	14	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	9.8	9.8	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS

Sample Information

Client Sample ID: SV-3 20160201 **York Sample ID:** 16B0057-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/m³	7.3	7.3	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	7.1	7.1	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	13	13	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
95-63-6	**1,2,4-Trimethylbenzene**	**510**		ug/m³	8.8	8.8	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	14	14	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	11	11	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	7.3	7.3	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	8.3	8.3	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	13	13	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
108-67-8	**1,3,5-Trimethylbenzene**	**530**		ug/m³	8.8	8.8	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	23	23	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	11	11	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	8.3	8.3	18	EPA TO-15 Certifications:	02/03/2016 07:56	02/04/2016 01:30	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	11	11	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	13	13	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
78-93-3	**2-Butanone**	**130**		ug/m³	5.3	5.3	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	15	15	18	EPA TO-15 Certifications:	02/03/2016 07:56	02/04/2016 01:30	LDS
107-05-1	3-Chloropropene	ND		ug/m³	28	28	18	EPA TO-15 Certifications: NELAC-NY10854	02/03/2016 07:56	02/04/2016 01:30	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	7.4	7.4	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
67-64-1	**Acetone**	**130**		ug/m³	8.6	8.6	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS
107-13-1	Acrylonitrile	ND		ug/m³	3.9	3.9	18	EPA TO-15 Certifications: NELAC-NY10854	02/03/2016 07:56	02/04/2016 01:30	LDS
71-43-2	**Benzene**	**8.1**		ug/m³	5.8	5.8	18	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 01:30	LDS

Sample Information

Client Sample ID: SV-3 20160201 **York Sample ID:** 16B0057-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-44-7	Benzyl chloride	ND		ug/m³	9.3	9.3	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/m³	11	11	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/m³	19	19	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/m³	7.0	7.0	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-15-0	Carbon disulfide	ND		ug/m³	5.6	5.6	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/m³	2.8	2.8	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/m³	8.3	8.3	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/m³	4.7	4.7	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/m³	8.8	8.8	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/m³	3.7	3.7	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	7.1	7.1	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	8.2	8.2	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
110-82-7	**Cyclohexane**	**110**		ug/m³	6.2	6.2	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/m³	14	14	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/m³	8.9	8.9	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
141-78-6	* Ethyl acetate	ND		ug/m³	13	13	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications:			
100-41-4	**Ethyl Benzene**	**51**		ug/m³	7.8	7.8	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/m³	19	19	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
67-63-0	Isopropanol	ND		ug/m³	8.8	8.8	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
80-62-6	Methyl Methacrylate	ND		ug/m³	7.4	7.4	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.5	6.5	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/m³	13	13	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: **SV-3 20160201** **York Sample ID:** **16B0057-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
142-82-5	**n-Heptane**	**83**		ug/m³	7.4	7.4	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
110-54-3	**n-Hexane**	**9.5**		ug/m³	6.3	6.3	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
95-47-6	**o-Xylene**	**310**		ug/m³	7.8	7.8	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
179601-23-1	**p- & m- Xylenes**	**320**		ug/m³	16	16	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
622-96-8	*** p-Ethyltoluene**	**430**		ug/m³	8.8	8.8	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications:			
115-07-1	* Propylene	ND		ug/m³	3.1	3.1	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications:			
100-42-5	Styrene	ND		ug/m³	7.7	7.7	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
127-18-4	**Tetrachloroethylene**	**3600**		ug/m³	3.1	3.1	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
109-99-9	* Tetrahydrofuran	ND		ug/m³	11	11	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications:			
108-88-3	**Toluene**	**66**		ug/m³	6.8	6.8	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	7.1	7.1	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	8.2	8.2	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
79-01-6	**Trichloroethylene**	**34**		ug/m³	2.4	2.4	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	10	10	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
108-05-4	Vinyl acetate	ND		ug/m³	6.3	6.3	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
593-60-2	Vinyl bromide	ND		ug/m³	7.9	7.9	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-01-4	Vinyl Chloride	ND		ug/m³	4.6	4.6	18	EPA TO-15	02/03/2016 07:56	02/04/2016 01:30	LDS
								Certifications: NELAC-NY10854,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*	*72-118*

Sample Information

Client Sample ID: **SV-4 20160201** **York Sample ID:** **16B0057-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Sample Information

Client Sample ID: SV-4 20160201 **York Sample ID:** 16B0057-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.2	1.2	1.686	EPA TO-15 Certifications:	02/04/2016 08:45	02/04/2016 15:20	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.92	0.92	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.2	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.3	1.3	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.92	0.92	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.68	0.68	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.67	0.67	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.3	1.3	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
95-63-6	**1,2,4-Trimethylbenzene**	**1.3**		ug/m³	0.83	0.83	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.3	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.0	1.0	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.68	0.68	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.78	0.78	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.2	1.2	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.83	0.83	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	2.2	2.2	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.0	1.0	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.78	0.78	1.686	EPA TO-15 Certifications:	02/04/2016 08:45	02/04/2016 15:20	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.0	1.0	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	1.2	1.2	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
78-93-3	**2-Butanone**	**2.6**		ug/m³	0.50	0.50	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	1.4	1.4	1.686	EPA TO-15 Certifications:	02/04/2016 08:45	02/04/2016 15:20	LDS

Sample Information

Client Sample ID: SV-4 20160201 **York Sample ID:** 16B0057-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	2.6	2.6	1.686	EPA TO-15 Certifications: NELAC-NY10854	02/04/2016 08:45	02/04/2016 15:20	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.69	0.69	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
67-64-1	**Acetone**	**24**		ug/m³	0.80	0.80	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
107-13-1	Acrylonitrile	ND		ug/m³	0.37	0.37	1.686	EPA TO-15 Certifications: NELAC-NY10854	02/04/2016 08:45	02/04/2016 15:20	LDS
71-43-2	Benzene	ND		ug/m³	0.54	0.54	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
100-44-7	Benzyl chloride	ND		ug/m³	0.87	0.87	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	1.0	1.0	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
75-25-2	Bromoform	ND		ug/m³	1.7	1.7	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
74-83-9	Bromomethane	ND		ug/m³	0.65	0.65	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
75-15-0	**Carbon disulfide**	**1.5**		ug/m³	0.53	0.53	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	0.27	0.27	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
108-90-7	Chlorobenzene	ND		ug/m³	0.78	0.78	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
75-00-3	Chloroethane	ND		ug/m³	0.44	0.44	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
67-66-3	**Chloroform**	**2.5**		ug/m³	0.82	0.82	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
74-87-3	Chloromethane	ND		ug/m³	0.35	0.35	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.67	0.67	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.77	0.77	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
110-82-7	**Cyclohexane**	**1.5**		ug/m³	0.58	0.58	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.4	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
75-71-8	**Dichlorodifluoromethane**	**2.8**		ug/m³	0.83	0.83	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	1.2	1.2	1.686	EPA TO-15 Certifications:	02/04/2016 08:45	02/04/2016 15:20	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	0.73	0.73	1.686	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/04/2016 08:45	02/04/2016 15:20	LDS

Sample Information

Client Sample ID: SV-4 20160201 **York Sample ID:** 16B0057-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.8	1.8	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
67-63-0	Isopropanol	ND		ug/m³	0.83	0.83	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.69	0.69	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**1.3**		ug/m³	0.61	0.61	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/m³	1.2	1.2	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
142-82-5	**n-Heptane**	**4.9**		ug/m³	0.69	0.69	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
110-54-3	**n-Hexane**	**5.3**		ug/m³	0.59	0.59	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
95-47-6	**o-Xylene**	**1.2**		ug/m³	0.73	0.73	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
179601-23-1	**p- & m- Xylenes**	**2.6**		ug/m³	1.5	1.5	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
622-96-8	*** p-Ethyltoluene**	**0.99**		ug/m³	0.83	0.83	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.29	0.29	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications:			
100-42-5	Styrene	ND		ug/m³	0.72	0.72	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
127-18-4	Tetrachloroethylene	ND		ug/m³	0.29	0.29	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.99	0.99	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications:			
108-88-3	**Toluene**	**2.5**		ug/m³	0.64	0.64	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.67	0.67	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.77	0.77	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
79-01-6	Trichloroethylene	ND		ug/m³	0.23	0.23	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.6**		ug/m³	0.95	0.95	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
108-05-4	Vinyl acetate	ND		ug/m³	0.59	0.59	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
593-60-2	Vinyl bromide	ND		ug/m³	0.74	0.74	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-01-4	Vinyl Chloride	ND		ug/m³	0.43	0.43	1.686	EPA TO-15	02/04/2016 08:45	02/04/2016 15:20	LDS
								Certifications: NELAC-NY10854,NJDEP			

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: SV-4 20160201 **York Sample ID:** 16B0057-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	*Surrogate: p-Bromofluorobenzene*	*91.9 %*			*72-118*						

Sample Information

Client Sample ID: SV-5 20160201 **York Sample ID:** 16B0057-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	12	12	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	9.2	9.2	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:	NELAC-NY10854,NJDEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	12	12	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:	NELAC-NY10854,NJDEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	13	13	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:	NELAC-NY10854,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	9.2	9.2	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:	NELAC-NY10854,NJDEP		
75-34-3	1,1-Dichloroethane	ND		ug/m³	6.8	6.8	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:	NELAC-NY10854,NJDEP		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	6.7	6.7	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:	NELAC-NY10854,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	13	13	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:	NELAC-NY10854,NJDEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	8.3	8.3	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:	NELAC-NY10854,NJDEP		
106-93-4	1,2-Dibromoethane	ND		ug/m³	13	13	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:	NELAC-NY10854,NJDEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	10	10	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:	NELAC-NY10854,NJDEP		
107-06-2	1,2-Dichloroethane	ND		ug/m³	6.8	6.8	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:	NELAC-NY10854,NJDEP		
78-87-5	1,2-Dichloropropane	ND		ug/m³	7.8	7.8	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:	NELAC-NY10854,NJDEP		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	12	12	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:	NELAC-NY10854,NJDEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	8.3	8.3	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:	NELAC-NY10854,NJDEP		

Sample Information

Client Sample ID: SV-5 20160201 **York Sample ID:** 16B0057-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-99-0	1,3-Butadiene	ND		ug/m³	22	22	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 03:08	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	10	10	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 03:08	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	7.8	7.8	16.86	EPA TO-15 Certifications:	02/03/2016 07:56	02/04/2016 03:08	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	10	10	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 03:08	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	12	12	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 03:08	LDS
78-93-3	**2-Butanone**	**8.5**		ug/m³	5.0	5.0	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 03:08	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	14	14	16.86	EPA TO-15 Certifications:	02/03/2016 07:56	02/04/2016 03:08	LDS
107-05-1	3-Chloropropene	ND		ug/m³	26	26	16.86	EPA TO-15 Certifications: NELAC-NY10854	02/03/2016 07:56	02/04/2016 03:08	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	6.9	6.9	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 03:08	LDS
67-64-1	**Acetone**	**160**		ug/m³	8.0	8.0	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 03:08	LDS
107-13-1	Acrylonitrile	ND		ug/m³	3.7	3.7	16.86	EPA TO-15 Certifications: NELAC-NY10854	02/03/2016 07:56	02/04/2016 03:08	LDS
71-43-2	Benzene	ND		ug/m³	5.4	5.4	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 03:08	LDS
100-44-7	Benzyl chloride	ND		ug/m³	8.7	8.7	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 03:08	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	10	10	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 03:08	LDS
75-25-2	Bromoform	ND		ug/m³	17	17	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 03:08	LDS
74-83-9	Bromomethane	ND		ug/m³	6.5	6.5	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 03:08	LDS
75-15-0	Carbon disulfide	ND		ug/m³	5.3	5.3	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 03:08	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	2.7	2.7	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 03:08	LDS
108-90-7	Chlorobenzene	ND		ug/m³	7.8	7.8	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 03:08	LDS
75-00-3	Chloroethane	ND		ug/m³	4.4	4.4	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 03:08	LDS
67-66-3	Chloroform	ND		ug/m³	8.2	8.2	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 03:08	LDS
74-87-3	Chloromethane	ND		ug/m³	3.5	3.5	16.86	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/03/2016 07:56	02/04/2016 03:08	LDS

Sample Information

Client Sample ID: SV-5 20160201 **York Sample ID:** 16B0057-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	6.7	6.7	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	7.7	7.7	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
110-82-7	Cyclohexane	ND		ug/m³	5.8	5.8	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/m³	14	14	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/m³	8.3	8.3	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
141-78-6	* Ethyl acetate	ND		ug/m³	12	12	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	7.3	7.3	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/m³	18	18	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
67-63-0	Isopropanol	ND		ug/m³	8.3	8.3	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
80-62-6	Methyl Methacrylate	ND		ug/m³	6.9	6.9	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.1	6.1	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/m³	12	12	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
142-82-5	n-Heptane	ND		ug/m³	6.9	6.9	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
110-54-3	n-Hexane	ND		ug/m³	5.9	5.9	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
95-47-6	o-Xylene	ND		ug/m³	7.3	7.3	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
179601-23-1	p- & m- Xylenes	ND		ug/m³	15	15	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
622-96-8	* p-Ethyltoluene	ND		ug/m³	8.3	8.3	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:			
115-07-1	* Propylene	ND		ug/m³	2.9	2.9	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:			
100-42-5	Styrene	ND		ug/m³	7.2	7.2	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
127-18-4	Tetrachloroethylene	ND		ug/m³	2.9	2.9	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
109-99-9	* Tetrahydrofuran	ND		ug/m³	9.9	9.9	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications:			
108-88-3	Toluene	ND		ug/m³	6.4	6.4	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: SV-5 20160201 **York Sample ID:** 16B0057-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0057	560999	Soil Vapor	February 1, 2016 3:00 pm	02/02/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	6.7	6.7	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	7.7	7.7	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
79-01-6	Trichloroethylene	ND		ug/m³	2.3	2.3	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	9.5	9.5	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
108-05-4	Vinyl acetate	ND		ug/m³	5.9	5.9	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
593-60-2	Vinyl bromide	ND		ug/m³	7.4	7.4	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-01-4	Vinyl Chloride	ND		ug/m³	4.3	4.3	16.86	EPA TO-15	02/03/2016 07:56	02/04/2016 03:08	LDS
								Certifications: NELAC-NY10854,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.6 %*	*72-118*

Notes and Definitions

QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
CCV-A	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to dectected analytes only.

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record - AIR

YORK ANALYTICAL LABORATORIES INC

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 16B0057

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: NVES	Company: " "	Company: " "	560999	RUSH - Same Day ☐	Summary Report ✓
Address: 48 Springside Ave Poughkeepsie	Address:	Address:	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary
Phone No.	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package
Contact Person: Anthony J Conor	Attention:	Attention:		RUSH - Three Day ☐	NY ASP A Package
E-Mail Address: ctwbell@gmail.com	E-Mail Address:	E-Mail Address:	Samples from: CT___ NY✓ NJ___	RUSH - Four Day ☐	NY ASP B/CLP Pkg
				Standard(5-7 Days) ✓	NJDEP Reduced
					Electronic Deliverables:
					EDD (Specify Type) NYSDEC
					Standard Excel
					Regulatory Comparison Excel

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Conor Twbell
Name (printed)

Air Matrix Codes

AI - INDOOR Ambient Air
AO- OUTDOOR Amb. Air
AE- Vapor Extraction Well/ Process Gas/Effluent
AS- SOIL Vapor/Sub-Slab

Additional Notes:

Please enter the following Field Data

Detection Limits Required

≤ 1 ug/m³ ✓
NYSDEC VI Limits
(VI =vapor instrusion)
NJDEP low level
Routine Survey
Other

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Canister ID	Flow Cont.ID	ANALYSES REQUESTED	Sampling Media
SV-1 20160201	2/1/16	AS	29.5	1	S29	7364	TO-15	6 Liter canister ✓ Tedlar Bag
SV-2 20160201			30+	6	S33	Y48		6 Liter canister ✓ Tedlar Bag
SV-3 20160201			29	4	S32	7422		6 Liter canister ✓ Tedlar Bag
SV-4 20160201			30+	10"	S30	Y-19		6 Liter canister ✓ Tedlar Bag
SV-5 20160201			30+	3.5	S28	Y43		6 Liter canister ✓ Tedlar Bag
								6 Liter canister Tedlar Bag
								6 Liter canister Tedlar Bag
								6 Liter canister Tedlar Bag
								6 Liter canister Tedlar Bag
								6 Liter canister Tedlar Bag
								6 Liter canister Tedlar Bag

Comments

Samples Relinquished By — 02-01-16 1515 Date/Time

Samples Relinquished By — Date/Time

Samples Received By — 2-2-16 11:45 Date/Time

Samples Received in LAB by P Grace 2-2-16 1541 Date/Time