PHASE II
ENVIRONMENTAL SITE ASSESSMENT

of the

156-158 SOLAR STREET PROPERTY
City of Syracuse
Onondaga County, New York

Prepared for:

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TABLE OF CONTENTS

TABLE OF CONTENTS
(Continued)

1.0 INTRODUCTION

Plumley Engineering, P.C. completed a Phase I Environmental Site Assessment (ESA) on the commercial parcel located at 156-158 Solar Street in the City of Syracuse, Onondaga County, New York in September 2016. The Phase I ESA identified various recognized environmental conditions (RECs) and other environmental concerns on the Property, and recommended further investigation. Refer to *Figure 1 – Subsurface Investigation Plan* for the site layout.

1.1 PURPOSE

The purpose of this Phase II ESA was to assess the potential presence of environmental contamination related to current and past uses of the Property identified in the Phase I ESA. The following RECs were revealed:

- Contaminated soil was discovered during the removal of a former onsite gasoline underground storage tank (UST). Although contaminated soil was excavated from the site, the spill incident associated with this tank removal was closed as not meeting cleanup standards. The spill area should be further investigated to determine the amount of contamination remaining and the potential for completing the cleanup.

- This Property has been utilized for industrial purposes for over 100 years. Although the general nature of the known occupants suggests a low risk for environmental releases, environmental and occupant records prior to the 1970's are fragmented. The Property should be investigated for evidence of past releases, particularly if any portions of the building are to be demolished.

1.2 SPECIAL TERMS AND CONDITIONS

The Phase II ESA included completing soil borings and installing temporary wells to evaluate subsurface soils and groundwater. Selected soil and groundwater samples were analyzed for suspected site contaminants. The Phase II ESA was completed in general

conformance with American Society for Testing and Materials (ASTM) Standard E 1903-11, *Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process*.

Services performed by Plumley Engineering in preparation of this report were conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the engineering profession practicing contemporaneously under similar conditions in the locality of the project. Under no circumstances is any warranty, expressed or implied, made in connection with providing these services.

1.3 LIMITATIONS AND EXCEPTIONS OF ASSESSMENT

A Phase I ESA was completed prior to proceeding with the Phase II ESA. The scope of the Phase II ESA was based on available information concerning the Property.

1.4 LIMITING CONDITIONS AND METHODOLOGY USED

The Phase II ESA evaluated subsurface soils and shallow groundwater for potential impacts of common compounds typically associated with petroleum and industrial operations from samples collected from selected locations. This assessment cannot rule out contaminants not included in the analytical program, or localized soil or groundwater impacts.

2.0 BACKGROUND

2.1 SITE DESCRIPTION AND FEATURES

The Property is owned by Syracuse Scale Company, Inc. and consists of one parcel, with tax identification number 118.-06-01.0. The Property is approximately 2.0 acres in size and is currently used for commercial purposes. There is one commercial building located on the Property. Refer to *Figure 1 – Subsurface Investigation Plan* for additional information.

2.2 PHYSICAL SETTING

The elevation of the Property is approximately 375 feet (USGS datum) above sea level. The nearest body of water is Onondaga Creek, located approximately 1,000 feet to the west.

2.3 SITE HISTORY AND LAND USE

The Property has been used for industrial purposes.

2.4 ADJACENT PROPERTY LAND USE

Review of records, historical topographic maps and aerials indicates adjacent properties have been utilized for industrial, commercial and residential purposes.

2.5 SUMMARY OF PREVIOUS ASSESSMENTS

There is no information indicating any prior subsurface assessments have been completed on the Property. A subsurface investigation report for the adjacent property to the south was obtained while planning the Phase II. This investigation[1] identified several volatile organic compounds (VOCs) in subsurface soil samples. The report suggested the impacts were from an offsite source. The results were reported to the New York State Department of Environmental Conservation (DEC) and Spill No. 9707031 was assigned. The DEC closed this spill on May 4, 2004 without requiring further investigation or remediation.

3.0 PHASE II ACTIVITIES

3.1 SCOPE OF WORK

The scope of work for this Phase II ESA included completion of soil borings and installation of temporary monitoring wells to evaluate subsurface soils and groundwater. Seven soil

[1]Limited Subsurface Investigation, Borden Research Center, Franklin Square, by Environmental Products & Services, Inc., January 22, 1998.

borings were completed on October 27, 2016. Temporary wells were installed in all seven borings.

Soil samples were obtained from each of the borings at various depths on the date the borings were completed. Groundwater samples were obtained from each temporary well on November 1, 2016. Selected soil and groundwater samples were submitted to the laboratory for analytical analysis.

3.1.1 Conceptual Site Model and Sampling Plan

The potential site contaminants encountered were those generally associated with industrial site use, and included volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs)s. VOCs are generally soluble in water, and therefore mobile in the environment. SVOCs tend to be less mobile. In general, VOCs tend to be found in soils near potential sources and migrate away from source areas in groundwater. SVOCs tend to be found in soils near potential sources and do not migrate as readily in the groundwater. This Phase II ESA assessed both VOC and SVOC impact to soil and groundwater. Additional testing for metals and polychlorinated biphenyls (PCBs) was also completed on surficial soil samples.

The soil borings for subsurface soil and groundwater sampling were located across the Property and in downgradient locations. Boring B-4 was located in the area suspected to be the site of the former gasoline UST and dispenser. The sample point locations are shown on *Figure 1 – Subsurface Investigation Plan*.

3.1.2 Chemical Testing Plan

Selected surface soil, subsurface soil and groundwater samples were analyzed for VOCs, SVOCs, metals and PCBs.

3.2 FIELD EXPLORATIONS AND METHODS

3.2.1 Soil Borings

Parratt-Wolff, Inc., accompanied by a geologist from Plumley Engineering, completed boring operations using a truck mounted Geoprobe rig. Soil borings were completed to a depth of 20 to 24 feet below ground surface (bgs.)

Soil samples were collected continuously from the ground surface to the bottom of each boring using a 4-foot macro-core. All samples were inspected and logged for soil lithology and field indicators of potential contamination (odors, staining, sheen). Representative samples were containerized in the field and screened with a photoionization detection (PID) meter.

Refer to *Appendix A – Boring Logs* for additional information.

3.2.2 Monitoring Well Installations

One-inch diameter well casings were installed in all seven soil boring locations. Ground-water elevation measurements were taken after water levels stabilized in the wells.

3.3 SAMPLING AND CHEMICAL ANALYSES AND METHODS

3.3.1 Soil

Field indicators of apparent contamination (odors, staining, elevated PID readings) were present in some of the subsurface soil samples collected from the borings. The samples from boring B-4 exhibited a petroleum-like odor with trace staining and had low level PID meter readings ranging from 3 to 8 parts per million (ppm). The samples from borings B-5 and B-6

had petroleum-like odors and sheens at the water table and PID meter readings ranging from 48 to 986 ppm. The samples from borings B-1, B-2, B-3 and B-7 had organic odors from the layer of peat encountered at a depth of approximately 6 to 7 feet bgs across the site and no positive PID meter readings. Refer to *Table 1 – Summary of Soil Data* for additional information.

Soil samples with the highest indicators of apparent contamination and soil samples collected from various depths in the soil borings that did not exhibit positive PID meter readings were selected for laboratory testing. The samples were submitted to SGS Accutest for analysis for VOCs per EPA Method 8260 (CP-51[2] or Full List) and SVOCs per EPA Method 8270 (CP-51 or Base/Neutral Compounds). Other select soil samples were submitted for analysis for metals (8 RCRA) and PCBs. The results were compared to CP-51 Recommended Soil Cleanup Levels (SCLs) and Commercial Use Soil Cleanup Objectives (SCOs).[3]

3.3.2 Groundwater

Groundwater samples were collected from the seven temporary wells (B-1/TW through B-7/TW) using standard sampling methods. All seven well samples were submitted for analysis of VOCs per EPA Method 8260 (CP-51 or Full List). Groundwater samples from B-3/TW, B-5/TW and B-6/TW were also submitted for SVOCs per EPA Method 8270 (CP-51 or Base/Neutral Compounds) and metals (8 RCRA). Samples were filtered in the field using a 0.45 Micron High-Capacity dispos-a-filter™ prior to collecting the metals. The results were compared to State groundwater standards.[4]

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[2]DEC Commissioner Policy, *CP-51 / Soil Cleanup Guidance*, issued October 21, 2010.

[3]New York Codes, Rules and Regulations, Title 6 (6NYCRR), Part 375-6 *Remedial Program Soil Cleanup Objectives*.

[4]DEC Technical and Operational Guidance Series (TOGS) 1.1.1, *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limits*, dated June 1998 and Addenda.

4.0 EVALUATION AND PRESENTATION OF RESULTS

4.1 SUBSURFACE CONDITIONS

4.1.1 Geologic Setting

The soil profile encountered can generally be described as follows:

0 to 8 feet bgs.....Gray moist fine to medium gravel and little to fine sand (fill).

8 to 12 feet bgs.....Brown moist silt, clay and peat.

12 to 20+ feet bgs.....Gray wet fine to coarse gravel and silt, with fine to coarse sand.

Layers of black sand with slag appeared at various depths from 0 to approximately 6 feet bgs.

4.1.2 Hydrogeologic Conditions

The water table was generally encountered at a depth of 5.6 to 11.10 feet bgs. The overall groundwater flow direction, as calculated from water elevations recorded on November 1, 2016, is from east to west across the Property. Refer to *Table 2 – Monitoring Well and Groundwater Elevation Data* for additional information. Groundwater elevation contours are shown on *Figure 1 – Subsurface Investigation Plan.*

4.2 ANALYTICAL DATA

4.2.1 Soil

A few individual VOCs were detected in the soil samples from borings B-3, B-4, B-5 and B-6. All VOCs detected were well below the CP-51 SCLs and Commercial Use SCOs with the exception of two compounds in the sample from boring B-5. Ethylbenzene was reported at 1.01 milligrams per kilogram (mg/kg), marginally exceeding the CP-51 SCL of 1 mg/kg,

and 1,2,4-Trimethylbenzene was reported at 7.46 mg/kg, exceeding the CP-51 SCL of 3.6 mg/kg. Both compounds were below the Commercial Use SCOs of 390 and 190 mg/kg, respectively.

Several SVOCs were detected in the samples collected from B-1, B-4, B-5, B-6 and B-7. All SVOCs detected were below the CP-51 SCLs and Commercial Use SCOs with the exception of one compound in the soil sample from B-7 (0 to 2 feet bgs). Chrysene was detected at a concentration of 1.12 mg/kg, slightly above the CP-51 SCL of 1 mg/kg but much lower than the Commercial Use SCO of 56 mg/kg.

Several metals were detected in the soil samples from borings B-1, B-3, B-5, B-6 and B-7. All detected metals were well below the Commercial Use SCOs with the exception of Barium in the sample from boring B-3, with a reported concentration of 461 mg/kg, exceeding the Commercial Use SCO of 400 mg/kg.

PCBs were not detected in any of the five soil samples analyzed.

Refer to *Table 3 – Summary of Soil Analytical Results* and *Appendix B – Laboratory Reports* for additional information.

4.2.2 Groundwater

Petroleum-like odors and sheens were present in the water purged from borings B-5 and B-6 and a slight sheen was noted in the water sample from B-6. No field indicators of contamination were observed in the other groundwater samples collected.

VOCs were either non-detected or below standards in the groundwater samples from wells B-1/TW, B-2/TW, B-3/TW, B-4/TW and B-7/TW. Several VOCs were detected in the groundwater sample from well B-5/TW at concentrations exceeding State standards.

No SVOCs were detected in the water samples collected from wells B-3/TW and B-6/TW. Four SVOCs were detected in the sample from well B-5/TW. Acenaphthene, bis(2-Chloroethyl)ether, 2-Methylnaphthalene and Naphthalene were reported at concentrations

of 2.1, 5.1, 4.5 and 65.8 micrograms per liter (µg/L), respectively. The State groundwater standards for bis(2-Chloroethyl)ether and Naphthalene are 1 and 10 µg/L, respectively. There is no State groundwater standard for Acenaphthene or 2-Methylnaphthalene, so a guideline concentration of 50 µg/L is used.

Barium was reported at concentrations of 110, 381 and 167 µg/L in the filtered water samples from B-3/TW, B-5/TW and B-6/TW, respectively. These reported concentrations were well below the State groundwater standard of 1,000 µg/L. Lead was also detected in B-5/TW and B-6/TW at concentrations of 129 and 5.3 µg/L, respectively. The State groundwater standard for lead is 25 µg/L.

Refer to *Table 4 – Summary of Groundwater Analytical Results* and *Appendix B – Laboratory Reports* for additional information.

5.0 DISCUSSION OF FINDINGS AND CONCLUSIONS

5.1. SOIL IMPACTS

There is a layer of peat at approximately 8 feet bgs and the site has been filled with various soil materials from the peat layer to the ground surface. No significant soil impacts were identified in the fill (0 to 8 feet bgs) with the exception of Chrysene reported above the CP-51 SCL but below the Restricted Use SCO in B-7 and Barium reported above the Restricted Use SCO in B-3.

Low levels of petroleum-like odors and low PID meter readings were observed in boring B-4 at the suspected location of the former gasoline UST. Chemical testing showed a few VOCs present, but at concentrations below the CP-51 SCLs.

Stronger petroleum-like odors and elevated PID meter readings were observed in deeper soils (12 to 16 feet bgs) in the gravel unit in the area of borings B-5 and B-6. Low level

VOCs and SVOCs were detected in the samples from these borings. Chemical testing showed concentrations were below the CP-51 SCLs, with the exception of two VOCs in B-5. All compounds were well below Commercial Use SCOs.

5.2. GROUNDWATER IMPACTS

Groundwater analytical results indicated elevated levels of several VOCs, including benzene, toluene, ethylbenzene and xylene (BTEX), as well as naphthalene, were present at concentrations exceeding State groundwater standards in the sample from boring B-5/TW. Lead also exceeded State groundwater standards in the sample from B-5/TW. None of the other groundwater samples were impacted.

5.3. RECOGNIZED ENVIRONMENTAL CONDITIONS

The previously identified RECs were associated with the former onsite UST and industrial operations. The findings from the investigation of the former UST area (boring B-4) do not indicate any significant residual impacts. The findings in borings B-5 and B-6 are not consistent with the location of the former UST or other known onsite sources. However, the findings are similar to those of the 1998 subsurface investigation on the adjacent former Borden property associated with Spill No. 9707031. This spill was closed by the DEC without further investigation or remediation, suggesting the impacts in B-5 and B-6 are from an offsite source. The only known potential source is a former manufactured gas plant gas holder tank located upgradient of the Property and the adjacent former Borden property. Gas holders are known sources of BTEX and naphthalene.

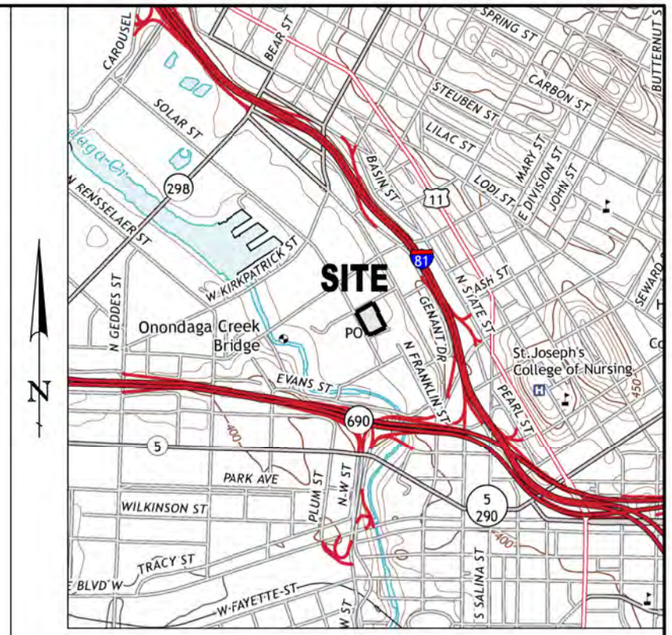
6.0 RECOMMENDATIONS

Based on the findings, no further investigation is recommended and no remediation appears to be warranted. We recommend a copy of this report be submitted to the DEC for their review and concurrence.

FIGURE

Plan View

1" = 60' SCALE: 30 0 30 60 FEET



LOCATION MAP

REF: U.S.G.S. SYRACUSE WEST QUAD., 2013, 7.5 MIN., 1" = 2000' +/-

Key

- Property Line
- B-1/TW — Soil Boring w/ Temporary Well (Completed 10/27/16)
- 89.30 — 11/11/16 Groundwater Contours (0.1 Ft Interval)

Aerial Reference:

NYS GIS Clearinghouse City of Syracuse, Onondaga County, New York, 1-Foot Resolution Natural Color Orthoimagery, 2015.

Note: Site features / conditions may have changed since the date when the orthoimagery was taken.

Property Line Reference:

"Section Map 118, City of Syracuse, Onondaga County, New York"; Dated: Janurary 1, 2016.

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Civil and Environmental Engineering

REVISIONS: DATE: BY:

PROJECT: 156-158 SOLAR STREET PROPERTY PHASE II

DWG. TITLE: SUBSURFACE INVESTIGATION PLAN

CLIENT: DUPLI ENVELOPE AND GRAPHICS CORPORATION

LOCATION: CITY OF SYRACUSE, ONONDAGA COUNTY, NEW YORK

PROJECT No.:	2016122
FILE NAME:	GWC_11-11-16
SCALE:	AS NOTED
DATE:	NOV. 2016
ENG'D BY:	DTH
DRAWN BY:	MGT
CHECKED BY:	DRV

SHEET NO.:

FIGURE 1

TABLES

SOLAR STREET PROPERTY
156-158 Park Street
City of Syracuse, Onondaga County, New York

TABLE 1 - SUMMARY OF SOIL DATA

BORING LOCATION	DEPTH (feet)	PID READING (ppm)	FIELD INDICATORS*
B-1	0 to 4	0	
	4 to 8	0	
	8 to 12	0	
	12 to 16	0	
	16 to 20	0	
B-2	0 to 4	0	
	4 to 8	0	
	8 to 12	0	
	12 to 16	0	
	16 to 20	0	
	20 to 24	0	
B-3	0 to 4	0	
	4 to 8	0	
	8 to 12	0	
	12 to 16	0	
	16 to 20	0	
B-4	0 to 4	6	
	4 to 8	8	petroleum odor, trace staining
	8 to 12	6	petroleum odor
	12 to 16	6	
	16 to 20	3	
B-5	0 to 4	86	petroleum odor
	4 to 8	58	petroleum odor
	8 to 12	320	petroleum odor
	12 to 16	799	strong petroleum odor, sheen
	16 to 20	158	petroleum odor
B-6	0 to 4	69	petroleum odor
	4 to 8	52	petroleum odor
	8 to 12	48	petroleum odor
	12 to 16	986	strong petroleum odor, sheen
	16 to 20	80	petroleum odor
B-7	0 to 4	0	
	4 to 8	0	
	8 to 12	0	
	12 to 16	0	
	16 to 20	0	

Notes:

PID Photoionization detection meter ppm Parts per million
* Odors, staining, sheens, free-product. Blank cells indicate no positve PID meter readings or field indicators observed.

SOLAR STREET PROPERTY
156-158 Park Street
City of Syracuse, Onondaga County, New York

TABLE 2 - MONITORING WELL AND GROUNDWATER ELEVATION DA

Monitoring Well Construction Data[1]	Monitoring Well						
	B-1/TW	B-2/TW	B-3/TW	B-4/TW	B-5/TW	B-6/TW	B-7/TW
Rim Elevation (feet)	101.09	101.53	100.10	100.41	100.94	101.91	101.38
Top of Screen Elevation (feet)	91.09	87.53	90.10	100.41	90.94	91.91	91.38
Bottom of Well Elevation (feet)	81.1	77.5	80.1	80.4	80.9	81.9	81.4
Depth of Well (feet)	20	24	20	20	20	20	20
Well Diameter (inches)	1	1	1	1	1	1	1
Date	**Groundwater Elevation (feet)**						
10/18/2016	91.29	89.37	89.33	94.41	89.52	89.82	89.17
11/11/2016	89.27	89.23	89.17	94.11	89.25	89.33	89.09

Notes:

Elevations are based on arbitrary datum set to 100.00 feet.

SOLAR STREET PROPERTY
156-158 Park Street
City of Syracuse, Onondaga County, New York

TABLE 3 - SUMMARY OF SOIL ANALYTICAL RESULTS

Date Sampled: October 27, 2016

Client Sample ID:	Unit	Commercial Use Soil Cleanup Objective[1]	Recommended Soil Cleanup Level[2]	B-1 (0-2')	B-2 (16'-20')	B-3 (0-2')	B-4 (4'-8')	B-5 (0-2')	B-5 (12'-16')	B-6 (0-2')	B-6 (12'-16')	B-7 (0-2')	B-3 (4'-8')
Lab Sample ID:				**MC48547-1**	**MC48547-2**	**MC48547-3**	**MC48547-4**	**MC48547-5**	**MC48547-6**	**MC48547-7**	**MC48547-8**	**MC48547-9**	**MC48547-10**
GC/MS Volatiles (SW846 8260C)													
Acetone	mg/kg	500	NS	-	ND (0.0095)	-	0.0217[a]	-	ND (1.2)	-	ND (0.56)	-	0.0234[a]
Benzene	mg/kg	44	0.06	-	ND (0.00095)	-	ND (0.00099)	-	ND (0.12)	-	ND (0.056)	-	ND (0.0012)
Bromodichloromethane	mg/kg	NS	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
Bromoform	mg/kg	NS	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
Bromomethane	mg/kg	NS	NS	-	ND (0.0095)	-	ND (0.0099)	-	ND (1.2)	-	ND (0.56)	-	ND (0.012)[b]
2-Butanone (MEK)	mg/kg	500	NS	-	ND (0.0095)	-	ND (0.0099)	-	ND (1.2)	-	ND (0.56)	-	ND (0.012)
n-Butylbenzene	mg/kg	500	12	-	ND (0.0047)	-	0.0309	-	1.07	-	0.862	-	ND (0.0061)
sec-Butylbenzene	mg/kg	500	11	-	ND (0.0047)	-	0.0826	-	0.794	-	0.88	-	ND (0.0061)
tert-Butylbenzene	mg/kg	500	5.9	-	ND (0.0047)	-	0.009	-	ND (0.58)	-	0.386	-	ND (0.0061)
Carbon disulfide	mg/kg	NS	NS	-	ND (0.0047)	-	ND (0.0050)	-	ND (0.58)	-	ND (0.28)	-	ND (0.0061)
Carbon tetrachloride	mg/kg	22	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
Chlorobenzene	mg/kg	500	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
Chloroethane	mg/kg	NS	NS	-	ND (0.0095)	-	ND (0.0099)	-	ND (1.2)	-	ND (0.56)	-	ND (0.012)
Chloroform	mg/kg	350	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
Chloromethane	mg/kg	NS	NS	-	ND (0.0047)	-	ND (0.0050)	-	ND (0.58)	-	ND (0.28)	-	ND (0.0061)
Dibromochloromethane	mg/kg	NS	NS	-	ND (0.0047)	-	ND (0.0050)	-	ND (0.58)	-	ND (0.28)	-	ND (0.0061)
1,1-Dichloroethane	mg/kg	240	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
1,2-Dichloroethane	mg/kg	30	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
1,1-Dichloroethene	mg/kg	500	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
cis-1,2-Dichloroethene	mg/kg	500	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
trans-1,2-Dichloroethene	mg/kg	500	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
1,2-Dichloroethene (total)	mg/kg	NS	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
1,2-Dichloropropane	mg/kg	NS	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
cis-1,3-Dichloropropene	mg/kg	NS	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
trans-1,3-Dichloropropene	mg/kg	NS	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
Ethylbenzene	mg/kg	390	1	-	ND (0.0019)	-	ND (0.0020)	-	**1.01**	-	ND (0.11)	-	ND (0.0025)
2-Hexanone	mg/kg	NS	NS	-	ND (0.0047)	-	ND (0.0050)	-	ND (0.58)	-	ND (0.28)	-	ND (0.0061)
Isopropylbenzene	mg/kg	NS	2.3	-	ND (0.0047)	-	0.0126	-	0.976	-	0.634	-	ND (0.0061)
p-Isopropyltoluene	mg/kg	NS	10	-	ND (0.0047)	-	ND (0.0050)	-	1.28	-	0.46	-	ND (0.0061)
Methyl Tert Butyl Ether	mg/kg	500	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
4-Methyl-2-pentanone (MIBK)	mg/kg	NS	NS	-	ND (0.0047)	-	ND (0.0050)	-	ND (0.58)	-	ND (0.28)	-	ND (0.0061)
GC/MS Volatiles (SW846 8260C)													
Methylene chloride	mg/kg	500	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)

SOLAR STREET PROPERTY
156-158 Park Street
City of Syracuse, Onondaga County, New York

TABLE 3 - SUMMARY OF SOIL ANALYTICAL RESULTS

Date Sampled: October 27, 2016

Client Sample ID:	Unit	Commercial Use Soil Cleanup Objective[1]	Recommended Soil Cleanup Level[2]	B-1 (0-2')	B-2 (16'-20')	B-3 (0-2')	B-4 (4'-8')	B-5 (0-2')	B-5 (12'-16')	B-6 (0-2')	B-6 (12'-16')	B-7 (0-2')	B-3 (4'-8')
Lab Sample ID:				**MC48547-1**	**MC48547-2**	**MC48547-3**	**MC48547-4**	**MC48547-5**	**MC48547-6**	**MC48547-7**	**MC48547-8**	**MC48547-9**	**MC48547-10**
Naphthalene	mg/kg	500	12	-	ND (0.0047)	-	ND (0.0050)	-	3.42	-	0.375	-	ND (0.0061)
n-Propylbenzene	mg/kg	500	3.9	-	ND (0.0047)	-	0.0099	-	1.57	-	1.16	-	ND (0.0061)
Styrene	mg/kg	NS	NS	-	ND (0.0047)	-	ND (0.0050)	-	ND (0.58)	-	ND (0.28)	-	ND (0.0061)
1,1,2,2-Tetrachloroethane	mg/kg	NS	NS	-	ND (0.0047)	-	ND (0.0050)	-	ND (0.58)	-	ND (0.28)	-	ND (0.0061)
Tetrachloroethene	mg/kg	150	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
Toluene	mg/kg	500	0.7	-	ND (0.0047)	-	ND (0.0050)	-	ND (0.58)	-	ND (0.28)	-	ND (0.0061)
1,1,1-Trichloroethane	mg/kg	500	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
1,1,2-Trichloroethane	mg/kg	NS	NS	-	ND (0.0019)	-	0.0287	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
Trichloroethene	mg/kg	200	NS	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
1,2,4-Trimethylbenzene	mg/kg	190	3.6	-	ND (0.0047)	-	ND (0.0050)	-	**7.46**	-	ND (0.28)	-	ND (0.0061)
1,3,5-Trimethylbenzene	mg/kg	190	8.4	-	ND (0.0047)	-	ND (0.0050)	-	ND (0.58)	-	ND (0.28)	-	ND (0.0061)
Vinyl chloride	mg/kg	13	NS	-	ND (0.0095)	-	ND (0.0099)	-	ND (1.2)	-	ND (0.56)	-	ND (0.012)
Xylene (total)	mg/kg	500	0.26	-	ND (0.0019)	-	ND (0.0020)	-	ND (0.23)	-	ND (0.11)	-	ND (0.0025)
GC/MS Semi-volatiles (SW846 8270D)													
Acenaphthene	mg/kg	500	20	ND (0.12)	-	-	ND (0.12)	-	0.233	ND (0.10)	0.194	ND (0.11)	-
Acenaphthylene	mg/kg	500	100	0.219	-	-	ND (0.12)	-	ND (0.10)	ND (0.10)	ND (0.11)	0.145	-
Anthracene	mg/kg	500	100	ND (0.12)	-	-	ND (0.12)	-	0.123	ND (0.10)	0.145	0.29	-
Benzo(a)anthracene	mg/kg	5.6	1	0.352	-	-	ND (0.12)	-	ND (0.10)	0.344	ND (0.11)	0.854	-
Benzo(a)pyrene	mg/kg	1	1	0.332	-	-	ND (0.31)	-	ND (0.26)	0.408	ND (0.27)	0.625	-
Benzo(b)fluoranthene	mg/kg	5.6	1	0.364	-	-	ND (0.12)	-	ND (0.10)	0.322	ND (0.11)	0.71	-
Benzo(g,h,i)perylene	mg/kg	500	100	0.199	-	-	ND (0.12)	-	ND (0.10)	0.25	ND (0.11)	0.377	-
Benzo(k)fluoranthene	mg/kg	56	0.8	0.302	-	-	ND (0.12)	-	ND (0.10)	0.332	ND (0.11)	0.635	-
Chrysene	mg/kg	56	1	0.465	-	-	ND (0.12)	-	ND (0.10)	0.31	ND (0.11)	**1.12**	-
Dibenzo(a,h)anthracene	mg/kg	0.56	0.33	ND (0.12)	-	-	ND (0.12)	-	ND (0.10)	ND (0.10)	ND (0.11)	0.152	-
Fluoranthene	mg/kg	500	100	0.637	-	-	0.176	-	0.138	0.499	0.202	1.76	-
Fluorene	mg/kg	500	30	ND (0.12)	-	-	ND (0.12)	-	0.148	ND (0.10)	ND (0.11)	0.128	-
Indeno(1,2,3-cd)pyrene	mg/kg	5.6	0.5	ND (0.29)	-	-	ND (0.31)	-	ND (0.26)	ND (0.26)	ND (0.27)	0.395	-
Naphthalene	mg/kg	500	12	0.542	-	-	ND (0.12)	-	1.21	ND (0.10)	ND (0.11)	0.387	-
Phenanthrene	mg/kg	500	100	0.8	-	-	0.237	-	0.445	0.145	0.221	1.7	-
Pyrene	mg/kg	500	100	0.662	-	-	0.182	-	0.234	0.504	0.321	1.46	-
GC Semi-volatiles (SW846 8082A)													
Aroclor 1016	mg/kg	1	NS	ND (0.038)	-	ND (0.035)	-	ND (0.040)	-	ND (0.034)	-	ND (0.038)	-
Aroclor 1221	mg/kg	1	NS	ND (0.038)	-	ND (0.035)	-	ND (0.040)	-	ND (0.034)	-	ND (0.038)	-
Aroclor 1232	mg/kg	1	NS	ND (0.038)	-	ND (0.035)	-	ND (0.040)	-	ND (0.034)	-	ND (0.038)	-

SOLAR STREET PROPERTY
156-158 Park Street
City of Syracuse, Onondaga County, New York

TABLE 3 - SUMMARY OF SOIL ANALYTICAL RESULTS

Date Sampled: October 27, 2016

Client Sample ID:	Unit	Commercial Use Soil Cleanup Objective[1]	Recommended Soil Cleanup Level[2]	B-1 (0-2')	B-2 (16'-20')	B-3 (0-2')	B-4 (4'-8')	B-5 (0-2')	B-5 (12'-16')	B-6 (0-2')	B-6 (12'-16')	B-7 (0-2')	B-3 (4'-8')
Lab Sample ID:				**MC48547-1**	**MC48547-2**	**MC48547-3**	**MC48547-4**	**MC48547-5**	**MC48547-6**	**MC48547-7**	**MC48547-8**	**MC48547-9**	**MC48547-10**
Aroclor 1242	mg/kg	1	NS	ND (0.038)	-	ND (0.035)	-	ND (0.040)	-	ND (0.034)	-	ND (0.038)	-
Aroclor 1248	mg/kg	1	NS	ND (0.038)	-	ND (0.035)	-	ND (0.040)	-	ND (0.034)	-	ND (0.038)	-
Aroclor 1254	mg/kg	1	NS	ND (0.038)	-	ND (0.035)	-	ND (0.040)	-	ND (0.034)	-	ND (0.038)	-
Aroclor 1260	mg/kg	1	NS	ND (0.038)	-	ND (0.035)	-	ND (0.040)	-	ND (0.034)	-	ND (0.038)	-
Metals Analysis													
Arsenic	mg/kg	16	NS	5.2	-	9.9	-	8.7	-	3.8	-	15.2	-
Barium	mg/kg	400	NS	60.8	-	**461**	-	298	-	28.8	-	150	-
Cadmium	mg/kg	9.3	NS	<0.36	-	0.75	-	<0.38	-	<0.35	-	<1.9[e]	-
Chromium	mg/kg	NS	NS	14.5	-	11.7	-	9.9	-	8.7	-	25.9	-
Lead	mg/kg	1,000	NS	20.4	-	243	-	77.2	-	20.3	-	210	-
Mercury	mg/kg	2.8	NS	0.24	-	0.32	-	0.088	-	0.67	-	0.7	-
Selenium	mg/kg	1,500	NS	<0.89	-	4.1	-	0.96	-	<0.87	-	<4.7[e]	-
Silver	mg/kg	1,500	NS	<0.45	-	<0.45	-	<0.48	-	<0.44	-	<2.3[e]	-
General Chemistry													
Solids, Percent	%	NS	NS	84.3	89.5	90.3	80.3	82.2	92	93.7	91.2	87.2	73.3

Notes:

Legend: Hit | **Exceed**

[1]New York Codes, Rules and Regulations, Title 6 (6 NYCRR), Part 375-6, *Remedial Program Soil Cleanup Objectives*, dated December 2006.
[2]DEC Commissioner Policy, *CP-51 / Soil Cleanup Guidance*, Tables 2 and 3, issued October 21, 2010.
NS No State Standard
mg/kg milligrams per kilogram, equivalent to parts per million (ppm)
ND Not detected less than
- Not Analyzed
[a]Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.
[b]Continuing Calibration outside of acceptance criteria. Reporting Limit response verified by low-level standard.
[c]Elevated RL due to dilution required for matrix interference.

PARK STREET PROPERTY
2083/2107 Park Street
City of Syracuse, Onondaga County, New York

TABLE 4 - SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Date Sampled: November 1, 2016

Client Sample ID:	Unit	State Standard[1] (µg/L)	B-1/TW	B-2/TW	B-3/TW	B-4/TW	B-5/TW	B-6/TW	B-7/TW
Lab Sample ID:			MC48566-1	MC48566-2	MC48566-3	MC48566-4	MC48566-5	MC48566-6	MC48566-7
GC/MS Volatiles (SW846 8260C)									
Acetone	µg/L	---	ND (10)	28.2	16.8	ND (10)	42.5	ND (10)	ND (10)
Benzene	µg/L	1	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	**129**	ND (0.50)	ND (0.50)
Bromodichloromethane	µg/L	---	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	µg/L	-	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromomethane	µg/L	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
2-Butanone (MEK)	µg/L	---	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Butylbenzene	µg/L	5	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	**8.4**	ND (5.0)	ND (5.0)
sec-Butylbenzene	µg/L	5	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	**10.8**	ND (5.0)	ND (5.0)
tert-Butylbenzene	µg/L	5	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Carbon disulfide	µg/L	60	ND (5.0)	ND (5.0)[a]	ND (5.0)[a]	ND (5.0)[a]	ND (5.0)[a]	ND (5.0)[a]	ND (5.0)[a]
Carbon tetrachloride	µg/L	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chlorobenzene	µg/L	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	µg/L	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Chloroform	µg/L	7	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloromethane	µg/L	5	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Dibromochloromethane	µg/L	---	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	µg/L	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethane	µg/L	0.6	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	µg/L	5	ND (1.0)	ND (1.0)[a]	ND (1.0)[a]	ND (1.0)[a]	ND (1.0)[a]	ND (1.0)[a]	ND (1.0)[a]
cis-1,2-Dichloroethene	µg/L	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
trans-1,2-Dichloroethene	µg/L	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloroethene (total)	µg/L	---	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	µg/L	1	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
cis-1,3-Dichloropropene	µg/L	---	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
trans-1,3-Dichloropropene	µg/L	---	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Ethylbenzene	µg/L	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	**192**	ND (1.0)	ND (1.0)
2-Hexanone	µg/L	---	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Isopropylbenzene	µg/L	5	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	**62.3**	ND (5.0)	ND (5.0)
p-Isopropyltoluene	µg/L	5	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	**14.7**	ND (5.0)	ND (5.0)
Methyl Tert Butyl Ether	µg/L	10	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
4-Methyl-2-pentanone (MIBK)	µg/L	---	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Methylene chloride	µg/L	5	ND (2.0)	ND (2.0)[a]	ND (2.0)[a]	ND (2.0)[a]	ND (2.0)[a]	ND (2.0)[a]	ND (2.0)[a]
Naphthalene	µg/L	10	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	**124**	ND (5.0)	ND (5.0)
n-Propylbenzene	µg/L	5	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	**67.5**	ND (5.0)	ND (5.0)
Styrene	µg/L	5	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,1,2,2-Tetrachloroethane	µg/L	5	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Tetrachloroethene	µg/L	5	ND (1.0)	ND (1.0)[a]	ND (1.0)[a]	ND (1.0)[a]	ND (1.0)[a]	ND (1.0)[a]	ND (1.0)[a]
Toluene	µg/L	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	**23.7**	ND (1.0)	ND (1.0)
1,1,1-Trichloroethane	µg/L	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloroethane	µg/L	1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	µg/L	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2,4-Trimethylbenzene	µg/L	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	**70.5**	ND (1.0)	ND (1.0)
1,3,5-Trimethylbenzene	µg/L	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	2.1	ND (1.0)	ND (1.0)
Vinyl chloride	µg/L	2	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
m,p-Xylene	µg/L	*	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	**19.9**	ND (1.0)	ND (1.0)
o-Xylene	µg/L	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	**6**	ND (1.0)	ND (1.0)
GC/MS Semi-volatiles (SW846 8270D)									
Acenaphthene	µg/L	---	-	-	ND (2.0)	-	2.1	ND (2.0)	-
Acenaphthylene	µg/L	---	-	-	ND (2.0)	-	ND (2.0)	ND (2.0)	-
Anthracene	µg/L	---	-	-	ND (2.0)	-	ND (2.0)	ND (2.0)	-
Benzo(a)anthracene	µg/L	---	-	-	ND (2.0)	-	ND (2.0)	ND (2.0)	-
Benzo(a)pyrene	µg/L	---	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
Benzo(b)fluoranthene	µg/L	---	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
Benzo(g,h,i)perylene	µg/L	---	-	-	ND (2.0)	-	ND (2.0)	ND (2.0)	-
Benzo(k)fluoranthene	µg/L	---	-	-	ND (2.0)	-	ND (2.0)	ND (2.0)	-
4-Bromophenyl phenyl ether	µg/L	---	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
Butyl benzyl phthalate	µg/L	---	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
Benzyl Alcohol	µg/L	---	-	-	ND (10)	-	ND (10)	ND (10)	-

PARK STREET PROPERTY
2083/2107 Park Street
City of Syracuse, Onondaga County, New York

TABLE 4 - SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Date Sampled: November 1, 2016

Client Sample ID:	Unit	State Standard[1] (µg/L)	B-1/TW	B-2/TW	B-3/TW	B-4/TW	B-5/TW	B-6/TW	B-7/TW
Lab Sample ID:			MC48566-1	MC48566-2	MC48566-3	MC48566-4	MC48566-5	MC48566-6	MC48566-7
GC/MS Semi-volatiles (SW846 8270D)									
2-Chloronaphthalene	µg/L	---	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
4-Chloroaniline	µg/L	5	-	-	ND (10)	-	ND (10)	ND (10)	-
Carbazole	µg/L	---	-	-	ND (2.0)	-	ND (2.0)	ND (2.0)	-
Chrysene	µg/L	---	-	-	ND (2.0)	-	ND (2.0)	ND (2.0)	-
bis(2-Chloroethoxy)methane	µg/L	5	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
bis(2-Chloroethyl)ether	µg/L	1	-	-	ND (5.1)	-	**5.1**	ND (5.1)	-
bis(2-Chloroisopropyl)ether	µg/L	5	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
4-Chlorophenyl phenyl ether	µg/L	---	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
1,2-Dichlorobenzene	µg/L	3	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
1,3-Dichlorobenzene	µg/L	3	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
1,4-Dichlorobenzene	µg/L	3	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
2,4-Dinitrotoluene	µg/L	5	-	-	ND (10)	-	ND (10)	ND (10)	-
2,6-Dinitrotoluene	µg/L	5	-	-	ND (10)	-	ND (10)	ND (10)	-
3,3'-Dichlorobenzidine	µg/L	5	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
Dibenzo(a,h)anthracene	µg/L	---	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
Dibenzofuran	µg/L	---	-	-	ND (2.0)	-	ND (2.0)	ND (2.0)	-
Di-n-butyl phthalate	µg/L	50	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
Di-n-octyl phthalate	µg/L	---	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
Diethyl phthalate	µg/L	---	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
Dimethyl phthalate	µg/L	---	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
bis(2-Ethylhexyl)phthalate	µg/L	5	-	-	ND (2.0)	-	ND (2.0)	ND (2.0)	-
Fluoranthene	µg/L	---	-	-	ND (2.0)	-	ND (2.0)	ND (2.0)	-
Fluorene	µg/L	---	-	-	ND (2.0)	-	ND (2.0)	ND (2.0)	-
Hexachlorobenzene	µg/L	0.04	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
Hexachlorobutadiene	µg/L	0.5	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
Hexachlorocyclopentadiene	µg/L	5	-	-	ND (10)	-	ND (10)	ND (10)	-
Hexachloroethane	µg/L	5	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
Indeno(1,2,3-cd)pyrene	µg/L	---	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
Isophorone	µg/L	---	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
2-Methylnaphthalene	µg/L	---	-	-	ND (2.0)	-	4.5	ND (2.0)	-
2-Nitroaniline	µg/L	5	-	-	ND (10)	-	ND (10)	ND (10)	-
3-Nitroaniline	µg/L	5	-	-	ND (10)	-	ND (10)	ND (10)	-
4-Nitroaniline	µg/L	5	-	-	ND (10)	-	ND (10)	ND (10)	-
Naphthalene	µg/L	10	-	-	ND (2.0)	-	**65.8**	ND (2.0)	-
Nitrobenzene	µg/L	0.4	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
N-Nitroso-di-n-propylamine	µg/L	---	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
N-Nitrosodiphenylamine	µg/L	---	-	-	ND (10)	-	ND (10)	ND (10)	-
Phenanthrene	µg/L	---	-	-	ND (2.0)	-	ND (2.0)	ND (2.0)	-
Pyrene	µg/L	---	-	-	ND (2.0)	-	ND (2.0)	ND (2.0)	-
1,2,4-Trichlorobenzene	µg/L	5	-	-	ND (5.1)	-	ND (5.1)	ND (5.1)	-
Metals Analysis									
Arsenic	µg/L	25	-	-	<4.0	-	<4.0	<4.0	-
Barium	µg/L	1,000	-	-	110	-	381	167	-
Cadmium	µg/L	5	-	-	<4.0	-	<4.0	<4.0	-
Chromium	µg/L	50	-	-	<10	-	<10	<10	-
Lead	µg/L	25	-	-	<5.0	-	**129**	5.3	-
Mercury	µg/L	0.7	-	-	<0.20	-	<0.20	<0.20	-
Selenium	µg/L	10	-	-	<10	-	<10	<10	-
Silver	µg/L	50	-	-	<5.0	-	<5.0	<5.0	-

Notes:

Legend: Hit | **Exceed**

[1]DEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations* , dated June 1998 and Addenda.

[a]Continuing Calibration outside of acceptance criteria. Reporting Limit response verified by low-level standard.

* State standard is 5 µg/L for each xylene isomer.

µg/L micrograms per liter, equivalent to parts per billion (ppb)

--- No promulgated State Standard

ND Not Detected

- Not Analyzed

APPENDICES

APPENDIX A

BORING LOGS

parratt wolff inc

TEST BORING LOG

5879 Fisher Road
East Syracuse, NY 13057

PROJECT **156-158 Solar Street**

LOCATION **Syracuse, New York**

GROUNDWATER DEPTH
WHILE DRILLING **16.0'**

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

HOLE NO. B-1
JOB NUMBER: **16117A**
SURF. EL.
DATE STARTED: **10/27/16**
DATE COMPLETED: **10/27/16**

N - NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER
FALLING 30" - ASTM D-1586 STANDARD PENETRATION TEST

C - NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER
FALLING "/ OR PERCENT CORE RECOVERY

CASING TYPE **GEOPROBE MACROCORE** **SHEET 1 OF 1**

DRILLER'S FIELD LOG

DEPTH	SAMPLE DEPTH	SAMPLE NO.	Rec	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
	0.0'-	**1**		**DIRECT**		**Top soil**	**0.2'**
	4.0'			**PUSH**		**Gray moist SILT and fine SAND, trace medium to coarse sand, trace fine gravel with seams of black sand and fine gravel**	
5.0	**4.0'-**	**2**		**DIRECT**			
	8.0'			**PUSH**			
							8.5'
	8.0'-	**3**		**DIRECT**		**Brown moist SILT and PEAT**	
10.0	**12.0'**			**PUSH**			
	12.0'-	**4**		**DIRECT**			
	16.0'			**PUSH**			**14.5'**
15.0						**Gray moist SILT and CLAY**	
WL ▼							
	16.0'-	**5**		**DIRECT**			
	20.0'			**PUSH**			**18.0'**
						Gray wet fine to coarse GRAVEL	
20.0							
						Bottom of Boring	**20.0'**
						Note: Installed 1" PVC screen 20.0' to 10.0'	
						1" PVC riser to surface.	
25.0							
30.0							
35.0							
40.0							

parratt wolff inc

TEST BORING LOG

5879 Fisher Road
East Syracuse, NY 13057

PROJECT **156-158 Solar Street**

LOCATION **Syracuse, New York**

GROUNDWATER DEPTH
WHILE DRILLING **16.0'**

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

HOLE NO. B-2
JOB NUMBER: **16117A**
SURF. EL.
DATE STARTED: **10/27/16**
DATE COMPLETED: **10/27/16**

N - NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER
FALLING 30" - ASTM D-1586 STANDARD PENETRATION TEST

C - NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER
FALLING "/ OR PERCENT CORE RECOVERY

CASING TYPE **GEOPROBE MACROCORE** **SHEET 1 OF 1**

DRILLER'S FIELD LOG

DEPTH	SAMPLE DEPTH	SAMPLE NO.	Rec	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
	0.0'-	**1**		**DIRECT**		**Top soil**	**0.2'**
	4.0'			**PUSH**		**Gray moist SILT and fine SAND, trace medium to coarse sand, trace fine gravel with seams of black sand and fine gravel**	
5.0	**4.0'-**	**2**		**DIRECT**			
	8.0'			**PUSH**			
							7.0'
						Brown moist fine to coarse Sand with chunks of slag	
	8.0'-	**3**		**DIRECT**			
10.0	**12.0'**			**PUSH**			**10.0'**
						Brown moist SILT and PEAT	
	12.0'-	**4**		**DIRECT**			**13.5'**
	16.0'			**PUSH**		**Gray moist SILT and CLAY**	
15.0							
WL ▼							
	16.0'-	**5**		**DIRECT**			
	20.0'			**PUSH**			
							19.0'
20.0						**Gray wet fine to coarse GRAVEL**	
	20.0'-	**6**		**DIRECT**			
	24.0'			**PUSH**			
25.0						**Bottom of Boring**	**24.0'**
						Note: Installed 1" PVC screen 24.0' to 14.0'	
30.0						**1" PVC riser to surface.**	
35.0							
40.0							

parratt wolff inc

TEST BORING LOG

5879 Fisher Road
East Syracuse, NY 13057

PROJECT **156-158 Solar Street**

LOCATION **Syracuse, New York**

GROUNDWATER DEPTH
WHILE DRILLING **17.0'**

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

HOLE NO. B-3
JOB NUMBER: **16117A**
SURF. EL.
DATE STARTED: **10/27/16**
DATE COMPLETED: **10/27/16**

N - NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER
FALLING 30" - ASTM D-1586 STANDARD PENETRATION TEST

C - NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER
FALLING "/ OR PERCENT CORE RECOVERY

CASING TYPE **GEOPROBE MACROCORE** **SHEET 1 OF 1**

DRILLER'S FIELD LOG

DEPTH	SAMPLE DEPTH	SAMPLE NO.	Rec	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
	0.0'-	**1**		**DIRECT**		**Top soil**	**0.2'**
	4.0'			**PUSH**		**Gray moist SILT and fine SAND, trace medium to coarse sand, trace fine gravel with seams of black sand and fine gravel**	
5.0	**4.0'-**	**2**		**DIRECT**			
	8.0'			**PUSH**			
							8.0'
	8.0'-	**3**		**DIRECT**		**Brown moist SILT and PEAT**	
10.0	**12.0'**			**PUSH**			
							12.0'
	12.0'-	**4**		**DIRECT**		**Gray moist CLAY, some silt**	
	16.0'			**PUSH**			**14.0'**
15.0						**Gray moist fine to medium GRAVEL and SILT, trace fine to coarse sand**	
WL ▼	**16.0'-**	**5**		**DIRECT**			**17.0'**
	20.0'			**PUSH**		**Gray wet fine to coarse GRAVEL and SILT, trace fine to coarse sand**	
20.0							
						Bottom of Boring	**20.0'**
						Note: Installed 1" PVC screen 20.0' to 10.0'	
						1" PVC riser to surface.	
25.0							
30.0							
35.0							
40.0							

parratt wolff inc

TEST BORING LOG

5879 Fisher Road
East Syracuse, NY 13057

PROJECT **156-158 Solar Street**

LOCATION **Syracuse, New York**

GROUNDWATER DEPTH
WHILE DRILLING **16.0'**

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

HOLE NO. B-4
JOB NUMBER: **16117A**
SURF. EL.
DATE STARTED: **10/27/16**
DATE COMPLETED: **10/27/16**

N - NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER
FALLING 30" - ASTM D-1586 STANDARD PENETRATION TEST

C - NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER
FALLING "/ OR PERCENT CORE RECOVERY

CASING TYPE **GEOPROBE MACROCORE** **SHEET 1 OF 1**

DRILLER'S FIELD LOG

DEPTH	SAMPLE DEPTH	SAMPLE NO.	Rec	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
	0.0'-	**1**		**DIRECT**		**Gray moist fine to medium GRAVEL and little fine to coarse sand (fill)**	
	4.0'			**PUSH**			
5.0	**4.0'-**	**2**		**DIRECT**			
	8.0'			**PUSH**			**6.0'**
						Grey moist Silt	
	8.0'-	**3**		**DIRECT**			
10.0	**12.0'**			**PUSH**			**10.0'**
						Brown moist SILT and PEAT	
	12.0'-	**4**		**DIRECT**			
	16.0'			**PUSH**			**14.0'**
15.0						**Gray moist CLAY, some silt**	
WL ▼							
	16.0'-	**5**		**DIRECT**			**17.0'**
	20.0'			**PUSH**		**Gray wet fine to medium GRAVEL and SILT, trace fine to medium sand**	
20.0							
						Bottom of Boring	**20.0'**
						Note: Installed 1" PVC screen 20.0' to surface.	
25.0							
30.0							
35.0							
40.0							

parratt wolff inc

TEST BORING LOG

5879 Fisher Road
East Syracuse, NY 13057

PROJECT **156-158 Solar Street**

LOCATION **Syracuse, New York**

GROUNDWATER DEPTH
WHILE DRILLING **16.0'**

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

HOLE NO. B-5
JOB NUMBER: **16117A**
SURF. EL.
DATE STARTED: **10/27/16**
DATE COMPLETED: **10/27/16**

N - NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER
FALLING 30" - ASTM D-1586 STANDARD PENETRATION TEST

C - NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER
FALLING "/ OR PERCENT CORE RECOVERY

CASING TYPE **GEOPROBE MACROCORE** **SHEET 1 OF 1**

DRILLER'S FIELD LOG

DEPTH	SAMPLE DEPTH	SAMPLE NO.	Rec	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
	0.0'-	**1**		**DIRECT**		**Asphalt**	**0.5'**
	4.0'			**PUSH**		**Gray moist fine to medium SAND and GRAVEL**	
5.0	**4.0'-**	**2**		**DIRECT**			
	8.0'			**PUSH**			
							7.8'
	8.0'-	**3**		**DIRECT**		**Brown moist SILT and PEAT**	
10.0	**12.0'**			**PUSH**			**10.0'**
						Gray moist fine to medium GRAVEL, little silt	
	12.0'-	**4**		**DIRECT**			
	16.0'			**PUSH**			
15.0							
WL ▼							**15.5'**
	16.0'-	**5**		**DIRECT**		**Gray wet fine to medium GRAVEL and SILT, trace fine to coarse sand**	
	20.0'			**PUSH**			
20.0							
						Bottom of Boring	**20.0'**
						Note: Installed 1" PVC screen 20.0' to 10.0'	
						1" PVC riser to surface.	
25.0							
30.0							
35.0							
40.0							

parratt wolff inc

TEST BORING LOG

5879 Fisher Road
East Syracuse, NY 13057

PROJECT **156-158 Solar Street**

LOCATION **Syracuse, New York**

GROUNDWATER DEPTH
WHILE DRILLING **16.0'**

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

HOLE NO. B-6
JOB NUMBER: **16117A**
SURF. EL.
DATE STARTED: **10/27/16**
DATE COMPLETED: **10/27/16**

N - NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER
FALLING 30" - ASTM D-1586 STANDARD PENETRATION TEST

C - NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER
FALLING "/ OR PERCENT CORE RECOVERY

CASING TYPE **GEOPROBE MACROCORE** **SHEET 1 OF 1**

DRILLER'S FIELD LOG

DEPTH	SAMPLE DEPTH	SAMPLE NO.	Rec	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
	0.0'-	**1**		**DIRECT**		**Asphalt**	**0.4'**
	4.0'			**PUSH**		**Gray moist fine to medium GRAVEL and SILT, some fine to medium sand**	
							3.5'
5.0	**4.0'-**	**2**		**DIRECT**		**White moist fine to medium Sand, trace brick fragments**	
	8.0'			**PUSH**			**7.0'**
						Brown moist SILT and PEAT	
	8.0'-	**3**		**DIRECT**			
10.0	**12.0'**			**PUSH**			**11.0'**
						Gray moist fine to medium GRAVEL and SILT, trace fine sand	
	12.0'-	**4**		**DIRECT**			
	16.0'			**PUSH**			**14.0'**
15.0						**Gray wet fine to medium GRAVEL and SILT, trace fine to medium sand**	
WL ▼							
	16.0'-	**5**		**DIRECT**			
	20.0'			**PUSH**			
20.0							
						Bottom of Boring	**20.0'**
						Note: Installed 1" PVC screen 20.0' to 10.0' 1" PVC riser to surface.	
25.0							
30.0							
35.0							
40.0							

parratt wolff inc

TEST BORING LOG

5879 Fisher Road
East Syracuse, NY 13057

PROJECT **156-158 Solar Street**

LOCATION **Syracuse, New York**

GROUNDWATER DEPTH
WHILE DRILLING **16.0'**

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

HOLE NO. B-7
JOB NUMBER: **16117A**
SURF. EL.
DATE STARTED: **10/27/16**
DATE COMPLETED: **10/27/16**

N - NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER
FALLING 30" - ASTM D-1586 STANDARD PENETRATION TEST

C - NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER
FALLING "/ OR PERCENT CORE RECOVERY

CASING TYPE **GEOPROBE MACROCORE** **SHEET 1 OF 1**

DRILLER'S FIELD LOG

DEPTH	SAMPLE DEPTH	SAMPLE NO.	Rec	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
	0.0'-	**1**		**DIRECT**		**Concrete**	**0.3'**
	4.0'			**PUSH**		**Gray moist fine to medium GRAVEL and SILT, little fine sand**	
5.0	**4.0'-**	**2**		**DIRECT**			
	8.0'			**PUSH**			
							8.0'
	8.0'-	**3**		**DIRECT**		**Brown moist SILT and PEAT**	
10.0	**12.0'**			**PUSH**			
							12.0'
	12.0'-	**4**		**DIRECT**		**Gray moist fine to medium GRAVEL and SILT**	
	16.0'			**PUSH**			
15.0							
WL ▼							**16.0'**
	16.0'-	**5**		**DIRECT**		**Gray wet fine to medium GRAVEL and SILT, trace fine to medium sand**	
	20.0'			**PUSH**			
20.0							
						Bottom of Boring	**20.0'**
						Note: Installed 1" PVC screen 20.0' to 10.0'	
						1" PVC riser to surface.	
25.0							
30.0							
35.0							
40.0							

APPENDIX B

LABORATORY REPORTS

e-Hardcopy 2.0
Automated Report

Technical Report for

Plumley Engineering, P.C.

Solar Street, 156-158 Solar Street, Syracuse, NY

2016122.001

SGS Accutest Job Number: MC48547

Sampling Date: 10/27/16

Report to:

Plumley Engineering, P.C.
8232 Loop Road
Baldwinsville, NY 13027
dhudson@plumleyeng.com

ATTN: Derk Hudson

Total number of pages in report: **39**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Robert Soll 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO (MA00136) MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

Table of Contents

Sample Summary

Plumley Engineering, P.C.

Job No: MC48547

Solar Street, 156-158 Solar Street, Syracuse, NY
Project No: 2016122.001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC48547-1	10/27/16	09:05	DTH	11/01/16	SO	Soil	B-1(0-2)
MC48547-2	10/27/16	10:10	DTH	11/01/16	SO	Soil	B-2(16-20)
MC48547-3	10/27/16	10:35	DTH	11/01/16	SO	Soil	B-3(0-2)
MC48547-4	10/27/16	12:05	DTH	11/01/16	SO	Soil	B-4(4-8)
MC48547-5	10/27/16	13:35	DTH	11/01/16	SO	Soil	B-5(0-2)
MC48547-6	10/27/16	13:45	DTH	11/01/16	SO	Soil	B-5(12-16)
MC48547-7	10/27/16	14:15	DTH	11/01/16	SO	Soil	B-6(0-2)
MC48547-8	10/27/16	14:25	DTH	11/01/16	SO	Soil	B-6(12-16)
MC48547-9	10/27/16	15:00	DTH	11/01/16	SO	Soil	B-7(0-2)
MC48547-10	10/27/16	10:40	DTH	11/01/16	SO	Soil	B-3(4-8)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: MC48547
Account: Plumley Engineering, P.C.
Project: Solar Street, 156-158 Solar Street, Syracuse, NY
Collected: 10/27/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC48547-1	**B-1(0-2)**					
Acenaphthylene		0.219	0.12		mg/kg	SW846 8270D
Benzo(a)anthracene		0.352	0.12		mg/kg	SW846 8270D
Benzo(a)pyrene		0.332	0.29		mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.364	0.12		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.199	0.12		mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.302	0.12		mg/kg	SW846 8270D
Chrysene		0.465	0.12		mg/kg	SW846 8270D
Fluoranthene		0.637	0.12		mg/kg	SW846 8270D
Naphthalene		0.542	0.12		mg/kg	SW846 8270D
Phenanthrene		0.800	0.12		mg/kg	SW846 8270D
Pyrene		0.662	0.12		mg/kg	SW846 8270D
Arsenic		5.2	0.89		mg/kg	SW846 6010C
Barium		60.8	4.5		mg/kg	SW846 6010C
Chromium		14.5	0.89		mg/kg	SW846 6010C
Lead		20.4	0.89		mg/kg	SW846 6010C
Mercury		0.24	0.035		mg/kg	SW846 7471B
MC48547-2	**B-2(16-20)**					
No hits reported in this sample.						
MC48547-3	**B-3(0-2)**					
Arsenic		9.9	0.89		mg/kg	SW846 6010C
Barium		461	4.5		mg/kg	SW846 6010C
Cadmium		0.75	0.36		mg/kg	SW846 6010C
Chromium		11.7	0.89		mg/kg	SW846 6010C
Lead		243	0.89		mg/kg	SW846 6010C
Mercury		0.32	0.034		mg/kg	SW846 7471B
Selenium		4.1	0.89		mg/kg	SW846 6010C
MC48547-4	**B-4(4-8)**					
Acetone [a]		0.0217	0.0099		mg/kg	SW846 8260C
n-Butylbenzene [b]		0.0309	0.0054		mg/kg	SW846 8260C
sec-Butylbenzene [b]		0.0826	0.0050		mg/kg	SW846 8260C
tert-Butylbenzene [b]		0.0090	0.0050		mg/kg	SW846 8260C
Isopropylbenzene [b]		0.0126	0.0050		mg/kg	SW846 8260C
n-Propylbenzene [b]		0.0099	0.0054		mg/kg	SW846 8260C
1,1,2-Trichloroethane [b]		0.0287	0.0020		mg/kg	SW846 8260C
Fluoranthene		0.176	0.12		mg/kg	SW846 8270D
Phenanthrene		0.237	0.12		mg/kg	SW846 8270D
Pyrene		0.182	0.12		mg/kg	SW846 8270D

Summary of Hits

Job Number: MC48547
Account: Plumley Engineering, P.C.
Project: Solar Street, 156-158 Solar Street, Syracuse, NY
Collected: 10/27/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC48547-5	**B-5(0-2)**					
Arsenic		8.7	0.96		mg/kg	SW846 6010C
Barium		298	4.8		mg/kg	SW846 6010C
Chromium		9.9	0.96		mg/kg	SW846 6010C
Lead		77.2	0.96		mg/kg	SW846 6010C
Mercury		0.088	0.037		mg/kg	SW846 7471B
Selenium		0.96	0.96		mg/kg	SW846 6010C
MC48547-6	**B-5(12-16)**					
n-Butylbenzene [b]		1.07	0.58		mg/kg	SW846 8260C
sec-Butylbenzene [b]		0.794	0.58		mg/kg	SW846 8260C
Ethylbenzene [b]		1.01	0.23		mg/kg	SW846 8260C
Isopropylbenzene [b]		0.976	0.58		mg/kg	SW846 8260C
p-Isopropyltoluene [b]		1.28	0.58		mg/kg	SW846 8260C
Naphthalene [b]		3.42	0.58		mg/kg	SW846 8260C
n-Propylbenzene [b]		1.57	0.58		mg/kg	SW846 8260C
1,2,4-Trimethylbenzene [b]		7.46	0.58		mg/kg	SW846 8260C
Acenaphthene		0.233	0.10		mg/kg	SW846 8270D
Anthracene		0.123	0.10		mg/kg	SW846 8270D
Fluoranthene		0.138	0.10		mg/kg	SW846 8270D
Fluorene		0.148	0.10		mg/kg	SW846 8270D
Naphthalene		1.21	0.10		mg/kg	SW846 8270D
Phenanthrene		0.445	0.10		mg/kg	SW846 8270D
Pyrene		0.234	0.10		mg/kg	SW846 8270D
MC48547-7	**B-6(0-2)**					
Benzo(a)anthracene		0.344	0.10		mg/kg	SW846 8270D
Benzo(a)pyrene		0.408	0.26		mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.322	0.10		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.250	0.10		mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.332	0.10		mg/kg	SW846 8270D
Chrysene		0.310	0.10		mg/kg	SW846 8270D
Fluoranthene		0.499	0.10		mg/kg	SW846 8270D
Phenanthrene		0.145	0.10		mg/kg	SW846 8270D
Pyrene		0.504	0.10		mg/kg	SW846 8270D
Arsenic		3.8	0.87		mg/kg	SW846 6010C
Barium		28.8	4.4		mg/kg	SW846 6010C
Chromium		8.7	0.87		mg/kg	SW846 6010C
Lead		20.3	0.87		mg/kg	SW846 6010C
Mercury		0.67	0.033		mg/kg	SW846 7471B

Summary of Hits

Job Number: MC48547
Account: Plumley Engineering, P.C.
Project: Solar Street, 156-158 Solar Street, Syracuse, NY
Collected: 10/27/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC48547-8	**B-6(12-16)**					
n-Butylbenzene [b]		0.862	0.28		mg/kg	SW846 8260C
sec-Butylbenzene [b]		0.880	0.28		mg/kg	SW846 8260C
tert-Butylbenzene [b]		0.386	0.28		mg/kg	SW846 8260C
Isopropylbenzene [b]		0.634	0.28		mg/kg	SW846 8260C
p-Isopropyltoluene [b]		0.460	0.28		mg/kg	SW846 8260C
Naphthalene [b]		0.375	0.28		mg/kg	SW846 8260C
n-Propylbenzene [b]		1.16	0.28		mg/kg	SW846 8260C
Acenaphthene		0.194	0.11		mg/kg	SW846 8270D
Anthracene		0.145	0.11		mg/kg	SW846 8270D
Fluoranthene		0.202	0.11		mg/kg	SW846 8270D
Phenanthrene		0.221	0.11		mg/kg	SW846 8270D
Pyrene		0.321	0.11		mg/kg	SW846 8270D
MC48547-9	**B-7(0-2)**					
Acenaphthylene		0.145	0.11		mg/kg	SW846 8270D
Anthracene		0.290	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		0.854	0.11		mg/kg	SW846 8270D
Benzo(a)pyrene		0.625	0.28		mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.710	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.377	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.635	0.11		mg/kg	SW846 8270D
Chrysene		1.12	0.11		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.152	0.11		mg/kg	SW846 8270D
Fluoranthene		1.76	0.11		mg/kg	SW846 8270D
Fluorene		0.128	0.11		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.395	0.28		mg/kg	SW846 8270D
Naphthalene		0.387	0.11		mg/kg	SW846 8270D
Phenanthrene		1.70	0.11		mg/kg	SW846 8270D
Pyrene		1.46	0.11		mg/kg	SW846 8270D
Arsenic		15.2	0.93		mg/kg	SW846 6010C
Barium		150	4.7		mg/kg	SW846 6010C
Chromium		25.9	0.93		mg/kg	SW846 6010C
Lead		210	0.93		mg/kg	SW846 6010C
Mercury		0.70	0.036		mg/kg	SW846 7471B
MC48547-10	**B-3(4-8)**					
Acetone [a]		0.0234	0.012		mg/kg	SW846 8260C

(a) Analytical results based on analysis of intact sample. Sample results may be biased low due to sample not being preserved according to 5035-L/5035A-L specifications. Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.

Summary of Hits

Job Number: MC48547
Account: Plumley Engineering, P.C.
Project: Solar Street, 156-158 Solar Street, Syracuse, NY
Collected: 10/27/16

Lab Sample ID	Client Sample ID	Result/				
Analyte		Qual	RL	MDL	Units	Method

(b) Analytical results based on analysis of intact sample. Sample results may be biased low due to sample not being preserved according to 5035-L/5035A-L specifications.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	B-1(0-2)		
Lab Sample ID:	MC48547-1	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	84.3
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W30790.D	1	11/07/16	MR	11/01/16	OP49057	MSW1248
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.12	mg/kg	
208-96-8	Acenaphthylene	0.219	0.12	mg/kg	
120-12-7	Anthracene	ND	0.12	mg/kg	
56-55-3	Benzo(a)anthracene	0.352	0.12	mg/kg	
50-32-8	Benzo(a)pyrene	0.332	0.29	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.364	0.12	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.199	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.302	0.12	mg/kg	
218-01-9	Chrysene	0.465	0.12	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.12	mg/kg	
206-44-0	Fluoranthene	0.637	0.12	mg/kg	
86-73-7	Fluorene	ND	0.12	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.29	mg/kg	
91-20-3	Naphthalene	0.542	0.12	mg/kg	
85-01-8	Phenanthrene	0.800	0.12	mg/kg	
129-00-0	Pyrene	0.662	0.12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		27-115%
321-60-8	2-Fluorobiphenyl	85%		34-118%
1718-51-0	Terphenyl-d14	98%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-1(0-2)		
Lab Sample ID:	MC48547-1	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	84.3
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK62834.D	1	11/04/16	TA	11/02/16	OP49055	GBK1979
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.038	mg/kg	
11104-28-2	Aroclor 1221	ND	0.038	mg/kg	
11141-16-5	Aroclor 1232	ND	0.038	mg/kg	
53469-21-9	Aroclor 1242	ND	0.038	mg/kg	
12672-29-6	Aroclor 1248	ND	0.038	mg/kg	
11097-69-1	Aroclor 1254	ND	0.038	mg/kg	
11096-82-5	Aroclor 1260	ND	0.038	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		25-145%
877-09-8	Tetrachloro-m-xylene	81%		25-145%
2051-24-3	Decachlorobiphenyl	99%		25-179%
2051-24-3	Decachlorobiphenyl	96%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-1(0-2)		
Lab Sample ID:	MC48547-1	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
		Percent Solids:	84.3
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	5.2	0.89	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Barium	60.8	4.5	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Cadmium	< 0.36	0.36	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Chromium	14.5	0.89	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Lead	20.4	0.89	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.24	0.035	mg/kg	1	11/04/16	11/07/16	EAL	SW846 7471B [2]	SW846 7471B [4]
Selenium	< 0.89	0.89	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Silver	< 0.45	0.45	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA19589
(2) Instrument QC Batch: MA19598
(3) Prep QC Batch: MP26974
(4) Prep QC Batch: MP26984

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B-2(16-20)		
Lab Sample ID:	MC48547-2	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8260C	**Percent Solids:**	89.5
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	M81736.D	1	11/07/16	KP	n/a	n/a	MSM2930
Run #2							

	Initial Weight	Final Volume
Run #1	5.88 g	5.0 ml
Run #2		

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.0095	mg/kg	
71-43-2	Benzene	ND	0.00095	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0019	mg/kg	
75-25-2	Bromoform	ND	0.0019	mg/kg	
74-83-9	Bromomethane [b]	ND	0.0095	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0095	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0047	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0047	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0047	mg/kg	
75-15-0	Carbon disulfide	ND	0.0047	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0019	mg/kg	
108-90-7	Chlorobenzene	ND	0.0019	mg/kg	
75-00-3	Chloroethane	ND	0.0095	mg/kg	
67-66-3	Chloroform	ND	0.0019	mg/kg	
74-87-3	Chloromethane	ND	0.0047	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0047	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0019	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0019	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0019	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0019	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0019	mg/kg	
540-59-0	1,2-Dichloroethene (total)	ND	0.0019	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0019	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0019	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0019	mg/kg	
100-41-4	Ethylbenzene	ND	0.0019	mg/kg	
591-78-6	2-Hexanone	ND	0.0047	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0047	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0047	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0019	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0047	mg/kg	
75-09-2	Methylene chloride	ND	0.0019	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-2(16-20)		
Lab Sample ID:	MC48547-2	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8260C	**Percent Solids:**	89.5
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
91-20-3	Naphthalene	ND	0.0047	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0047	mg/kg	
100-42-5	Styrene	ND	0.0047	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0047	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0019	mg/kg	
108-88-3	Toluene	ND	0.0047	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0019	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0019	mg/kg	
79-01-6	Trichloroethene	ND	0.0019	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0047	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0047	mg/kg	
75-01-4	Vinyl chloride	ND	0.0095	mg/kg	
	m,p-Xylene	ND	0.0019	mg/kg	
95-47-6	o-Xylene	ND	0.0019	mg/kg	
1330-20-7	Xylene (total)	ND	0.0019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		65-141%
2037-26-5	Toluene-D8	100%		65-129%
460-00-4	4-Bromofluorobenzene	114%		63-137%

(a) Analytical results based on analysis of intact sample. Sample results may be biased low due to sample not being preserved according to 5035-L/5035A-L specifications.
(b) Continuing Calibration outside of acceptance criteria. Reporting Limit response verified by low-level standard.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-3(0-2)		
Lab Sample ID:	MC48547-3	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	90.3
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK62835.D	1	11/04/16	TA	11/02/16	OP49055	GBK1979
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.035	mg/kg	
11104-28-2	Aroclor 1221	ND	0.035	mg/kg	
11141-16-5	Aroclor 1232	ND	0.035	mg/kg	
53469-21-9	Aroclor 1242	ND	0.035	mg/kg	
12672-29-6	Aroclor 1248	ND	0.035	mg/kg	
11097-69-1	Aroclor 1254	ND	0.035	mg/kg	
11096-82-5	Aroclor 1260	ND	0.035	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		25-145%
877-09-8	Tetrachloro-m-xylene	79%		25-145%
2051-24-3	Decachlorobiphenyl	102%		25-179%
2051-24-3	Decachlorobiphenyl	98%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-3(0-2)		
Lab Sample ID:	MC48547-3	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
		Percent Solids:	90.3
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	9.9	0.89	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Barium	461	4.5	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.75	0.36	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Chromium	11.7	0.89	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Lead	243	0.89	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.32	0.034	mg/kg	1	11/04/16	11/07/16	EAL	SW846 7471B [2]	SW846 7471B [4]
Selenium	4.1	0.89	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Silver	< 0.45	0.45	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA19589
(2) Instrument QC Batch: MA19598
(3) Prep QC Batch: MP26974
(4) Prep QC Batch: MP26984

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B-4(4-8)		
Lab Sample ID:	MC48547-4	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8260C	**Percent Solids:**	80.3
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	M81738.D	1	11/07/16	KP	n/a	n/a	MSM2930
Run #2 [a]	M81757.D	1	11/08/16	KP	n/a	n/a	MSM2931

	Initial Weight	Final Volume
Run #1	6.28 g	5.0 ml
Run #2	5.72 g	5.0 ml

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone [b]	0.0217	0.0099	mg/kg	
71-43-2	Benzene	ND	0.00099	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0020	mg/kg	
75-25-2	Bromoform	ND	0.0020	mg/kg	
74-83-9	Bromomethane [c]	ND	0.0099	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0099	mg/kg	
104-51-8	n-Butylbenzene	0.0309 [d]	0.0054	mg/kg	
135-98-8	sec-Butylbenzene	0.0826	0.0050	mg/kg	
98-06-6	tert-Butylbenzene	0.0090	0.0050	mg/kg	
75-15-0	Carbon disulfide	ND	0.0050	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0020	mg/kg	
108-90-7	Chlorobenzene	ND	0.0020	mg/kg	
75-00-3	Chloroethane	ND	0.0099	mg/kg	
67-66-3	Chloroform	ND	0.0020	mg/kg	
74-87-3	Chloromethane	ND	0.0050	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0050	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0020	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0020	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0020	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0020	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0020	mg/kg	
540-59-0	1,2-Dichloroethene (total)	ND	0.0020	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0020	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0020	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0020	mg/kg	
100-41-4	Ethylbenzene	ND	0.0020	mg/kg	
591-78-6	2-Hexanone	ND	0.0050	mg/kg	
98-82-8	Isopropylbenzene	0.0126	0.0050	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0050	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0020	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0050	mg/kg	
75-09-2	Methylene chloride	ND	0.0020	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-4(4-8)		
Lab Sample ID:	MC48547-4	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8260C	**Percent Solids:**	80.3
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
91-20-3	Naphthalene	ND	0.0050	mg/kg	
103-65-1	n-Propylbenzene	0.0099 [d]	0.0054	mg/kg	
100-42-5	Styrene	ND	0.0050	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0020	mg/kg	
108-88-3	Toluene	ND	0.0050	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0020	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0287	0.0020	mg/kg	
79-01-6	Trichloroethene	ND	0.0020	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0050	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0050	mg/kg	
75-01-4	Vinyl chloride	ND	0.0099	mg/kg	
	m,p-Xylene	ND	0.0020	mg/kg	
95-47-6	o-Xylene	ND	0.0020	mg/kg	
1330-20-7	Xylene (total)	ND	0.0020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	97%	65-141%
2037-26-5	Toluene-D8	116%	111%	65-129%
460-00-4	4-Bromofluorobenzene	113%	107%	63-137%

(a) Analytical results based on analysis of intact sample. Sample results may be biased low due to sample not being preserved according to 5035-L/5035A-L specifications.
(b) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.
(c) Continuing Calibration outside of acceptance criteria. Reporting Limit response verified by low-level standard.
(d) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-4(4-8)		
Lab Sample ID:	MC48547-4	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	80.3
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W30791.D	1	11/07/16	MR	11/01/16	OP49057	MSW1248
Run #2							

	Initial Weight	Final Volume
Run #1	20.1 g	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.12	mg/kg	
208-96-8	Acenaphthylene	ND	0.12	mg/kg	
120-12-7	Anthracene	ND	0.12	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.12	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.31	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.12	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.12	mg/kg	
218-01-9	Chrysene	ND	0.12	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.12	mg/kg	
206-44-0	Fluoranthene	0.176	0.12	mg/kg	
86-73-7	Fluorene	ND	0.12	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.31	mg/kg	
91-20-3	Naphthalene	ND	0.12	mg/kg	
85-01-8	Phenanthrene	0.237	0.12	mg/kg	
129-00-0	Pyrene	0.182	0.12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		27-115%
321-60-8	2-Fluorobiphenyl	84%		34-118%
1718-51-0	Terphenyl-d14	105%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-5(0-2)		
Lab Sample ID:	MC48547-5	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	82.2
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK62836.D	1	11/04/16	TA	11/02/16	OP49055	GBK1979
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.040	mg/kg	
11104-28-2	Aroclor 1221	ND	0.040	mg/kg	
11141-16-5	Aroclor 1232	ND	0.040	mg/kg	
53469-21-9	Aroclor 1242	ND	0.040	mg/kg	
12672-29-6	Aroclor 1248	ND	0.040	mg/kg	
11097-69-1	Aroclor 1254	ND	0.040	mg/kg	
11096-82-5	Aroclor 1260	ND	0.040	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		25-145%
877-09-8	Tetrachloro-m-xylene	80%		25-145%
2051-24-3	Decachlorobiphenyl	94%		25-179%
2051-24-3	Decachlorobiphenyl	84%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-5(0-2)		
Lab Sample ID:	MC48547-5	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
		Percent Solids:	82.2
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	8.7	0.96	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Barium	298	4.8	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Cadmium	< 0.38	0.38	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Chromium	9.9	0.96	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Lead	77.2	0.96	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.088	0.037	mg/kg	1	11/04/16	11/07/16	EAL	SW846 7471B [2]	SW846 7471B [4]
Selenium	0.96	0.96	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Silver	< 0.48	0.48	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA19589
(2) Instrument QC Batch: MA19598
(3) Prep QC Batch: MP26974
(4) Prep QC Batch: MP26984

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B-5(12-16)		
Lab Sample ID:	MC48547-6	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8260C	**Percent Solids:**	92.0
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	L101266.D	1	11/07/16	TB	n/a	n/a	MSL4376
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.1 g	10.0 ml	50.0 ul
Run #2			

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	1.2	mg/kg	
71-43-2	Benzene	ND	0.12	mg/kg	
75-27-4	Bromodichloromethane	ND	0.23	mg/kg	
75-25-2	Bromoform	ND	0.23	mg/kg	
74-83-9	Bromomethane	ND	1.2	mg/kg	
78-93-3	2-Butanone (MEK)	ND	1.2	mg/kg	
104-51-8	n-Butylbenzene	1.07	0.58	mg/kg	
135-98-8	sec-Butylbenzene	0.794	0.58	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.58	mg/kg	
75-15-0	Carbon disulfide	ND	0.58	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.23	mg/kg	
108-90-7	Chlorobenzene	ND	0.23	mg/kg	
75-00-3	Chloroethane	ND	1.2	mg/kg	
67-66-3	Chloroform	ND	0.23	mg/kg	
74-87-3	Chloromethane	ND	0.58	mg/kg	
124-48-1	Dibromochloromethane	ND	0.58	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.23	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.23	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.23	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.23	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.23	mg/kg	
540-59-0	1,2-Dichloroethene (total)	ND	0.23	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.23	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.23	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.23	mg/kg	
100-41-4	Ethylbenzene	1.01	0.23	mg/kg	
591-78-6	2-Hexanone	ND	0.58	mg/kg	
98-82-8	Isopropylbenzene	0.976	0.58	mg/kg	
99-87-6	p-Isopropyltoluene	1.28	0.58	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.23	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.58	mg/kg	
75-09-2	Methylene chloride	ND	0.23	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-5(12-16)		
Lab Sample ID:	MC48547-6	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8260C	**Percent Solids:**	92.0
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
91-20-3	Naphthalene	3.42	0.58	mg/kg	
103-65-1	n-Propylbenzene	1.57	0.58	mg/kg	
100-42-5	Styrene	ND	0.58	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.58	mg/kg	
127-18-4	Tetrachloroethene	ND	0.23	mg/kg	
108-88-3	Toluene	ND	0.58	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.23	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.23	mg/kg	
79-01-6	Trichloroethene	ND	0.23	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	7.46	0.58	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.58	mg/kg	
75-01-4	Vinyl chloride	ND	1.2	mg/kg	
	m,p-Xylene	ND	0.23	mg/kg	
95-47-6	o-Xylene	ND	0.23	mg/kg	
1330-20-7	Xylene (total)	ND	0.23	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		65-141%
2037-26-5	Toluene-D8	112%		65-129%
460-00-4	4-Bromofluorobenzene	101%		63-137%

(a) Analytical results based on analysis of intact sample. Sample results may be biased low due to sample not being preserved according to 5035-L/5035A-L specifications.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-5(12-16)		
Lab Sample ID:	MC48547-6	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	92.0
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W30792.D	1	11/07/16	MR	11/01/16	OP49057	MSW1248
Run #2							

	Initial Weight	Final Volume
Run #1	20.9 g	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	0.233	0.10	mg/kg	
208-96-8	Acenaphthylene	ND	0.10	mg/kg	
120-12-7	Anthracene	0.123	0.10	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.10	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.26	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.10	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.10	mg/kg	
218-01-9	Chrysene	ND	0.10	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	mg/kg	
206-44-0	Fluoranthene	0.138	0.10	mg/kg	
86-73-7	Fluorene	0.148	0.10	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.26	mg/kg	
91-20-3	Naphthalene	1.21	0.10	mg/kg	
85-01-8	Phenanthrene	0.445	0.10	mg/kg	
129-00-0	Pyrene	0.234	0.10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		27-115%
321-60-8	2-Fluorobiphenyl	94%		34-118%
1718-51-0	Terphenyl-d14	113%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-6(0-2)		
Lab Sample ID:	MC48547-7	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	93.7
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W30795.D	1	11/07/16	MR	11/01/16	OP49057	MSW1249
Run #2							

	Initial Weight	Final Volume
Run #1	20.8 g	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.10	mg/kg	
208-96-8	Acenaphthylene	ND	0.10	mg/kg	
120-12-7	Anthracene	ND	0.10	mg/kg	
56-55-3	Benzo(a)anthracene	0.344	0.10	mg/kg	
50-32-8	Benzo(a)pyrene	0.408	0.26	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.322	0.10	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.250	0.10	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.332	0.10	mg/kg	
218-01-9	Chrysene	0.310	0.10	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	mg/kg	
206-44-0	Fluoranthene	0.499	0.10	mg/kg	
86-73-7	Fluorene	ND	0.10	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.26	mg/kg	
91-20-3	Naphthalene	ND	0.10	mg/kg	
85-01-8	Phenanthrene	0.145	0.10	mg/kg	
129-00-0	Pyrene	0.504	0.10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		27-115%
321-60-8	2-Fluorobiphenyl	90%		34-118%
1718-51-0	Terphenyl-d14	105%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-6(0-2)		
Lab Sample ID:	MC48547-7	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	93.7
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK62837.D	1	11/05/16	TA	11/02/16	OP49055	GBK1979
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.034	mg/kg	
11104-28-2	Aroclor 1221	ND	0.034	mg/kg	
11141-16-5	Aroclor 1232	ND	0.034	mg/kg	
53469-21-9	Aroclor 1242	ND	0.034	mg/kg	
12672-29-6	Aroclor 1248	ND	0.034	mg/kg	
11097-69-1	Aroclor 1254	ND	0.034	mg/kg	
11096-82-5	Aroclor 1260	ND	0.034	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		25-145%
877-09-8	Tetrachloro-m-xylene	91%		25-145%
2051-24-3	Decachlorobiphenyl	98%		25-179%
2051-24-3	Decachlorobiphenyl	94%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-6(0-2)		
Lab Sample ID:	MC48547-7	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
		Percent Solids:	93.7
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.8	0.87	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Barium	28.8	4.4	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Cadmium	< 0.35	0.35	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Chromium	8.7	0.87	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Lead	20.3	0.87	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.67	0.033	mg/kg	1	11/04/16	11/07/16	EAL	SW846 7471B [2]	SW846 7471B [4]
Selenium	< 0.87	0.87	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]
Silver	< 0.44	0.44	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA19589
(2) Instrument QC Batch: MA19598
(3) Prep QC Batch: MP26974
(4) Prep QC Batch: MP26984

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B-6(12-16)		
Lab Sample ID:	MC48547-8	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8260C	**Percent Solids:**	91.2
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	L101267.D	1	11/07/16	TB	n/a	n/a	MSL4376
Run #2 [b]	L101282.D	1	11/08/16	TB	n/a	n/a	MSL4377

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.7 g	10.0 ml	100 ul
Run #2	10.7 g	10.0 ml	25.0 ul

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.56	mg/kg	
71-43-2	Benzene	ND	0.056	mg/kg	
75-27-4	Bromodichloromethane	ND	0.11	mg/kg	
75-25-2	Bromoform	ND	0.11	mg/kg	
74-83-9	Bromomethane	ND	0.56	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.56	mg/kg	
104-51-8	n-Butylbenzene	0.862	0.28	mg/kg	
135-98-8	sec-Butylbenzene	0.880	0.28	mg/kg	
98-06-6	tert-Butylbenzene	0.386	0.28	mg/kg	
75-15-0	Carbon disulfide	ND	0.28	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.11	mg/kg	
108-90-7	Chlorobenzene	ND	0.11	mg/kg	
75-00-3	Chloroethane	ND	0.56	mg/kg	
67-66-3	Chloroform	ND	0.11	mg/kg	
74-87-3	Chloromethane	ND	0.28	mg/kg	
124-48-1	Dibromochloromethane	ND	0.28	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.11	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.11	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.11	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.11	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.11	mg/kg	
540-59-0	1,2-Dichloroethene (total)	ND	0.11	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.11	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.11	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.11	mg/kg	
100-41-4	Ethylbenzene	ND	0.11	mg/kg	
591-78-6	2-Hexanone	ND	0.28	mg/kg	
98-82-8	Isopropylbenzene	0.634	0.28	mg/kg	
99-87-6	p-Isopropyltoluene	0.460	0.28	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.11	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.28	mg/kg	
75-09-2	Methylene chloride	ND	0.11	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-6(12-16)		
Lab Sample ID:	MC48547-8	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8260C	**Percent Solids:**	91.2
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
91-20-3	Naphthalene	0.375	0.28	mg/kg	
103-65-1	n-Propylbenzene	1.16	0.28	mg/kg	
100-42-5	Styrene	ND	0.28	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.28	mg/kg	
127-18-4	Tetrachloroethene	ND	0.11	mg/kg	
108-88-3	Toluene	ND	0.28	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.11	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.11	mg/kg	
79-01-6	Trichloroethene	ND	0.11	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.28	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.28	mg/kg	
75-01-4	Vinyl chloride	ND	0.56	mg/kg	
	m,p-Xylene	ND	0.11	mg/kg	
95-47-6	o-Xylene	ND	0.11	mg/kg	
1330-20-7	Xylene (total)	ND	0.11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%	106%	65-141%
2037-26-5	Toluene-D8	129%	112%	65-129%
460-00-4	4-Bromofluorobenzene	114%	101%	63-137%

(a) Analytical results based on analysis of intact sample. Sample results may be biased low due to sample not being preserved according to 5035-L/5035A-L specifications.
(b) Confirmation run for internal standard areas.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-6(12-16)		
Lab Sample ID:	MC48547-8	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	91.2
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W30796.D	1	11/07/16	MR	11/01/16	OP49057	MSW1249
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	0.194	0.11	mg/kg	
208-96-8	Acenaphthylene	ND	0.11	mg/kg	
120-12-7	Anthracene	0.145	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.27	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.11	mg/kg	
218-01-9	Chrysene	ND	0.11	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	mg/kg	
206-44-0	Fluoranthene	0.202	0.11	mg/kg	
86-73-7	Fluorene	ND	0.11	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.27	mg/kg	
91-20-3	Naphthalene	ND	0.11	mg/kg	
85-01-8	Phenanthrene	0.221	0.11	mg/kg	
129-00-0	Pyrene	0.321	0.11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		27-115%
321-60-8	2-Fluorobiphenyl	87%		34-118%
1718-51-0	Terphenyl-d14	103%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-7(0-2)		
Lab Sample ID:	MC48547-9	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8270D SW846 3546	**Percent Solids:**	87.2
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W30797.D	1	11/07/16	MR	11/01/16	OP49057	MSW1249
Run #2							

	Initial Weight	Final Volume
Run #1	20.9 g	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	mg/kg	
208-96-8	Acenaphthylene	0.145	0.11	mg/kg	
120-12-7	Anthracene	0.290	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	0.854	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	0.625	0.28	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.710	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.377	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.635	0.11	mg/kg	
218-01-9	Chrysene	1.12	0.11	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.152	0.11	mg/kg	
206-44-0	Fluoranthene	1.76	0.11	mg/kg	
86-73-7	Fluorene	0.128	0.11	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.395	0.28	mg/kg	
91-20-3	Naphthalene	0.387	0.11	mg/kg	
85-01-8	Phenanthrene	1.70	0.11	mg/kg	
129-00-0	Pyrene	1.46	0.11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		27-115%
321-60-8	2-Fluorobiphenyl	84%		34-118%
1718-51-0	Terphenyl-d14	91%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-7(0-2)		
Lab Sample ID:	MC48547-9	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8082A SW846 3546	**Percent Solids:**	87.2
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK62838.D	1	11/05/16	TA	11/02/16	OP49055	GBK1979
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.038	mg/kg	
11104-28-2	Aroclor 1221	ND	0.038	mg/kg	
11141-16-5	Aroclor 1232	ND	0.038	mg/kg	
53469-21-9	Aroclor 1242	ND	0.038	mg/kg	
12672-29-6	Aroclor 1248	ND	0.038	mg/kg	
11097-69-1	Aroclor 1254	ND	0.038	mg/kg	
11096-82-5	Aroclor 1260	ND	0.038	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		25-145%
877-09-8	Tetrachloro-m-xylene	72%		25-145%
2051-24-3	Decachlorobiphenyl	92%		25-179%
2051-24-3	Decachlorobiphenyl	85%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-7(0-2)		
Lab Sample ID:	MC48547-9	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
		Percent Solids:	87.2
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	15.2	0.93	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [4]
Barium	150	4.7	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [4]
Cadmium [a]	< 1.9	1.9	mg/kg	5	11/02/16	11/07/16	EAL	SW846 6010C [3]	SW846 3050B [4]
Chromium	25.9	0.93	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [4]
Lead	210	0.93	mg/kg	1	11/02/16	11/03/16	EAL	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.70	0.036	mg/kg	1	11/04/16	11/07/16	EAL	SW846 7471B [2]	SW846 7471B [5]
Selenium [a]	< 4.7	4.7	mg/kg	5	11/02/16	11/07/16	EAL	SW846 6010C [3]	SW846 3050B [4]
Silver [a]	< 2.3	2.3	mg/kg	5	11/02/16	11/07/16	EAL	SW846 6010C [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA19589
(2) Instrument QC Batch: MA19598
(3) Instrument QC Batch: MA19601
(4) Prep QC Batch: MP26974
(5) Prep QC Batch: MP26984

(a) Elevated RL due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B-3(4-8)		
Lab Sample ID:	MC48547-10	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8260C	**Percent Solids:**	73.3
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	M81737.D	1	11/07/16	KP	n/a	n/a	MSM2930
Run #2							

	Initial Weight	Final Volume
Run #1	5.56 g	5.0 ml
Run #2		

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone [b]	0.0234	0.012	mg/kg	
71-43-2	Benzene	ND	0.0012	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0025	mg/kg	
75-25-2	Bromoform	ND	0.0025	mg/kg	
74-83-9	Bromomethane [c]	ND	0.012	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.012	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0061	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0061	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0061	mg/kg	
75-15-0	Carbon disulfide	ND	0.0061	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0025	mg/kg	
108-90-7	Chlorobenzene	ND	0.0025	mg/kg	
75-00-3	Chloroethane	ND	0.012	mg/kg	
67-66-3	Chloroform	ND	0.0025	mg/kg	
74-87-3	Chloromethane	ND	0.0061	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0061	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0025	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0025	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0025	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0025	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0025	mg/kg	
540-59-0	1,2-Dichloroethene (total)	ND	0.0025	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0025	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0025	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0025	mg/kg	
100-41-4	Ethylbenzene	ND	0.0025	mg/kg	
591-78-6	2-Hexanone	ND	0.0061	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0061	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0061	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0025	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0061	mg/kg	
75-09-2	Methylene chloride	ND	0.0025	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-3(4-8)		
Lab Sample ID:	MC48547-10	**Date Sampled:**	10/27/16
Matrix:	SO - Soil	**Date Received:**	11/01/16
Method:	SW846 8260C	**Percent Solids:**	73.3
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
91-20-3	Naphthalene	ND	0.0061	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0061	mg/kg	
100-42-5	Styrene	ND	0.0061	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0061	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0025	mg/kg	
108-88-3	Toluene	ND	0.0061	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0025	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0025	mg/kg	
79-01-6	Trichloroethene	ND	0.0025	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0061	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0061	mg/kg	
75-01-4	Vinyl chloride	ND	0.012	mg/kg	
	m,p-Xylene	ND	0.0025	mg/kg	
95-47-6	o-Xylene	ND	0.0025	mg/kg	
1330-20-7	Xylene (total)	ND	0.0025	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		65-141%
2037-26-5	Toluene-D8	99%		65-129%
460-00-4	4-Bromofluorobenzene	112%		63-137%

(a) Analytical results based on analysis of intact sample. Sample results may be biased low due to sample not being preserved according to 5035-L/5035A-L specifications.
(b) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.
(c) Continuing Calibration outside of acceptance criteria. Reporting Limit response verified by low-level standard.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS ACCUTEST

CHAIN OF CUSTODY

SGS Accutest of New England
50 D'Angelo Drive/495 Technology Center West, Building One, Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 1

FED-EX Tracking #:
Bottle Order Control #:
SGS Accutest Quote #:
SGS Accutest Job #: MC48547

Client / Reporting Information
Company Name: Plumley Engineering, PC
Street Address: 8232 Loop Road
City / State / Zip: Baldwinsville, NY 13027
Project Contact: Derk Hudson
E-mail: dhudson@plumleyeng.com
Phone #: 315-638-8587
Fax #:
Sampler(s) Name(s): DTH
Phone #:

Project Information
Project Name: Solar Street Property
Street: 156-158 Solar St
City: Syracuse
Project#: 2016122.001
Client PO#:
Project Manager: Derk Hudson

Billing Information (If different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention: PO#

Requested Analysis (see TEST CODE sheet): 8260 TCL + CP-51 | 8270 CP-51 | Metals RCRA | PCBs 8082A

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	8260 TCL + CP-51	8270 CP-51	Metals RCRA	PCBs 8082A	LAB USE ONLY
1	B-1 (0-2)		10/27/16	9:05am	DTH	SO	1					1						X	X	X	
2	B-2 (16-20)		↓	10:10													X				
3	B-3 (0-2)			10:35															X	X	
4	B-4 (4-8)			12:05													X	X			
5	B-5 (0-2)			1:35															X	X	
6	B-5 (12-16)			1:45													X	X			
7	B-6 (0-2)			2:15														X	X	X	14B
8	B-6 (12-16)			2:25													X	X			10CS
9	B-7 (0-2)			3:00														X	X	X	2D4
10	B-3 (4-8)		↓	10:40													X				

INITIAL ASSESSMENT ___
LABEL VERIFICATION ___

Turnaround Time (Business days)
- [ ] Std. 10 Business Days
- [x] Std. 5 Business Days (By Contract only)
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM): / Date:

Data Deliverable Information
- [x] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format ______
- [ ] Other ______

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

REVISED 11/3/16

SGS ACCUTEST SYRACUSE SC

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	10/31/16	1	2		2
Relinquished by Sampler: 3 FEDX	Date Time: 11-1-16 930	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	☐ Intact ☐ Not intact; Preserved where applicable ☐	On Ice ☐; Cooler Temp. 2.7°C

CHAIN OF CUSTODY

PAGE 1 OF 1

SGS ACCUTEST

SGS Accutest of New England
50 D'Angelo Drive/495 Technology Center West, Building One, Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: MC48547

Client / Reporting Information

Company Name: Plumley Engineering, PC
Street Address: 8232 Loop Road
City State Zip: Baldwinsville, NY 13027
Project Contact E-mail: Derk Hudson dhudson@plumleyeng.com
Phone # Fax #: 315-638-8587
Sampler(s) Name(s) Phone #: DTH

Project Information

Project Name:
Street:
City:
Project#:
Client PO#:
Project Manager:

Billing Information (If different from Report to)

Company Name:
Street Address:
City State Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

8260 TCL + CP-51 | 8270 CP-51 | Metals RCRA | PCBs 8082A

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	LAB USE ONLY
1	B-1 (0-2)		10/27/16	9:05am	DTH	SO	1					1					
2	B-2 (16-20)			10:10													
3	B-3 (0-2)			10:35													
4	B-4 (4-8)			12:05													
5	B-5 (0-2)			1:35													
6	B-5 (12-16)			1:45													
7	B-6 (0-2)			2:15													14B
8	B-6 (12-16)			2:25													10C5
9	B-7 (0-2)			3:00													2D4
10	B-3 (4-8)		↓	10:40	↓												

INITIAL ASSESSMENT

FINAL VERIFICATION

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [X] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

ACCUTEST SYRACUSE,SC

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		10/31/16 930	1	2		2
3	Relinquished by Sampler: FEDX	Date Time: 11-1-16	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Intact / Not Intact	Preserved where applicable / On Ice / Cooler Temp. 2.7c

SGS Accutest Sample Receipt Summary

Job Number: MC48547 **Client:** PLUMLEY **Project:** NY

Date / Time Received: 10/31/2016 9:30:00 AM **Delivery Method:** FedEx **Airbill #'s:** 7776 0106 4380

Cooler Temps (Initial/Adjusted): #1: (2.7/2.7);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IRGUN1		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	
2. Trip Blank listed on COC:	☐	☑	
3. Samples preserved properly:	☐	☑	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample rec'd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume rec'd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

8260 volume was not collected according to 5035 specifications. Volume was submitted as intact soil and not prepped with 48 hrs of collection. Samples were aliquoted into 1-MeOH and 2-DI vials by SGS staff.

Sample Receipt Summary - Problem Resolution

Job Number: MC48547

CSR: Rob Soll **Response Date:** 11/1/2016

Response: Proceed per email on file.

e-Hardcopy 2.0
Automated Report

Technical Report for

Plumley Engineering, P.C.

Solar Street, 156-158 Solar Street, Syracuse, NY

2016122

SGS Accutest Job Number: MC48566

Sampling Date: 11/01/16

Report to:

Plumley Engineering, P.C.
8232 Loop Road
Baldwinsville, NY 13027
dhudson@plumleyeng.com

ATTN: Derk Hudson

Total number of pages in report: 32

NELAP ACCREDITED TNI LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Robert Soll 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO (MA00136) MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

Sections: 1 2 3 4

Table of Contents

Sample Summary

Plumley Engineering, P.C.

Job No: MC48566

Solar Street, 156-158 Solar Street, Syracuse, NY
Project No: 2016122

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC48566-1	11/01/16	11:20	SLA	11/02/16	AQ	Ground Water	B-1/TW
MC48566-2	11/01/16	11:30	SLA	11/02/16	AQ	Ground Water	B-2/TW
MC48566-3	11/01/16	11:10	SLA	11/02/16	AQ	Ground Water	B-3/TW
MC48566-4	11/01/16	13:50	SLA	11/02/16	AQ	Ground Water	B-4/TW
MC48566-5	11/01/16	14:30	SLA	11/02/16	AQ	Ground Water	B-5/TW
MC48566-6	11/01/16	15:10	SLA	11/02/16	AQ	Ground Water	B-6/TW
MC48566-7	11/01/16	12:45	SLA	11/02/16	AQ	Ground Water	B-7/TW

Summary of Hits

Job Number: MC48566
Account: Plumley Engineering, P.C.
Project: Solar Street, 156-158 Solar Street, Syracuse, NY
Collected: 11/01/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC48566-1	**B-1/TW**					
No hits reported in this sample.						
MC48566-2	**B-2/TW**					
Acetone		28.2	10		ug/l	SW846 8260C
MC48566-3	**B-3/TW**					
Acetone		16.8	10		ug/l	SW846 8260C
Barium		110	50		ug/l	SW846 6010C
MC48566-4	**B-4/TW**					
No hits reported in this sample.						
MC48566-5	**B-5/TW**					
Acetone		42.5	10		ug/l	SW846 8260C
Benzene		129	0.50		ug/l	SW846 8260C
n-Butylbenzene		8.4	5.0		ug/l	SW846 8260C
sec-Butylbenzene		10.8	5.0		ug/l	SW846 8260C
Ethylbenzene		192	2.0		ug/l	SW846 8260C
Isopropylbenzene		62.3	5.0		ug/l	SW846 8260C
p-Isopropyltoluene		14.7	5.0		ug/l	SW846 8260C
Naphthalene		124	5.0		ug/l	SW846 8260C
n-Propylbenzene		67.5	5.0		ug/l	SW846 8260C
Toluene		23.7	1.0		ug/l	SW846 8260C
1,2,4-Trimethylbenzene		70.5	1.0		ug/l	SW846 8260C
1,3,5-Trimethylbenzene		2.1	1.0		ug/l	SW846 8260C
m,p-Xylene		19.9	1.0		ug/l	SW846 8260C
o-Xylene		6.0	1.0		ug/l	SW846 8260C
Xylene (total)		25.9	1.0		ug/l	SW846 8260C
Acenaphthene		2.1	2.0		ug/l	SW846 8270D
bis(2-Chloroethyl)ether		5.1	5.1		ug/l	SW846 8270D
2-Methylnaphthalene		4.5	2.0		ug/l	SW846 8270D
Naphthalene		65.8	2.0		ug/l	SW846 8270D
Barium		381	50		ug/l	SW846 6010C
Lead		129	5.0		ug/l	SW846 6010C
MC48566-6	**B-6/TW**					
Barium		167	50		ug/l	SW846 6010C
Lead		5.3	5.0		ug/l	SW846 6010C

Summary of Hits

Job Number: MC48566
Account: Plumley Engineering, P.C.
Project: Solar Street, 156-158 Solar Street, Syracuse, NY
Collected: 11/01/16

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

MC48566-7 **B-7/TW**

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	B-1/TW		
Lab Sample ID:	MC48566-1	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101776.D	1	11/07/16	AD	n/a	n/a	MSK3170
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	10	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-1/TW		
Lab Sample ID:	MC48566-1	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		76-129%
2037-26-5	Toluene-D8	99%		83-114%
460-00-4	4-Bromofluorobenzene	97%		75-124%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-2/TW		
Lab Sample ID:	MC48566-2	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101725.D	1	11/06/16	AD	n/a	n/a	MSK3166
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	28.2	10	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide [a]	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene [a]	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride [a]	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-2/TW		
Lab Sample ID:	MC48566-2	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	
127-18-4	Tetrachloroethene [a]	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		76-129%
2037-26-5	Toluene-D8	99%		83-114%
460-00-4	4-Bromofluorobenzene	100%		75-124%

(a) Continuing Calibration outside of acceptance criteria. Reporting Limit response verified by low-level standard.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-3/TW		
Lab Sample ID:	MC48566-3	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101726.D	1	11/06/16	AD	n/a	n/a	MSK3166
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	16.8	10	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide [a]	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene [a]	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride [a]	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-3/TW		
Lab Sample ID:	MC48566-3	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	
127-18-4	Tetrachloroethene [a]	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		76-129%
2037-26-5	Toluene-D8	99%		83-114%
460-00-4	4-Bromofluorobenzene	99%		75-124%

(a) Continuing Calibration outside of acceptance criteria. Reporting Limit response verified by low-level standard.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-3/TW		
Lab Sample ID:	MC48566-3	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W30846.D	1	11/08/16	MR	11/04/16	OP49078	MSW1251
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN TCL List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.1	ug/l	
100-51-6	Benzyl Alcohol	ND	10	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	ug/l	
106-47-8	4-Chloroaniline	ND	10	ug/l	
86-74-8	Carbazole	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.1	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.1	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.1	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.1	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	ug/l	
132-64-9	Dibenzofuran	ND	2.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.1	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.1	ug/l	
84-66-2	Diethyl phthalate	ND	5.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-3/TW		
Lab Sample ID:	MC48566-3	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

BN TCL List

CAS No.	Compound	Result	RL	Units	Q
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.1	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.1	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	ug/l	
67-72-1	Hexachloroethane	ND	5.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	ug/l	
78-59-1	Isophorone	ND	5.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	ug/l	
99-09-2	3-Nitroaniline	ND	10	ug/l	
100-01-6	4-Nitroaniline	ND	10	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
98-95-3	Nitrobenzene	ND	5.1	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.1	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	10	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		25-117%
321-60-8	2-Fluorobiphenyl	71%		24-112%
1718-51-0	Terphenyl-d14	90%		48-133%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-3/TW		
Lab Sample ID:	MC48566-3	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
		Percent Solids:	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 4.0	4.0	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]
Barium	110	50	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]
Cadmium	< 4.0	4.0	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]
Lead	< 5.0	5.0	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	11/03/16	11/04/16	EAL	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 10	10	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]
Silver	< 5.0	5.0	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA19593
(2) Instrument QC Batch: MA19594
(3) Prep QC Batch: MP26978
(4) Prep QC Batch: MP26980

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B-4/TW		
Lab Sample ID:	MC48566-4	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101727.D	1	11/06/16	AD	n/a	n/a	MSK3166
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	10	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide [a]	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene [a]	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride [a]	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-4/TW		
Lab Sample ID:	MC48566-4	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	
127-18-4	Tetrachloroethene [a]	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-129%
2037-26-5	Toluene-D8	98%		83-114%
460-00-4	4-Bromofluorobenzene	98%		75-124%

(a) Continuing Calibration outside of acceptance criteria. Reporting Limit response verified by low-level standard.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-5/TW		
Lab Sample ID:	MC48566-5	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101728.D	1	11/06/16	AD	n/a	n/a	MSK3166
Run #2	K101765.D	2	11/07/16	AD	n/a	n/a	MSK3169

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	42.5	10	ug/l	
71-43-2	Benzene	129	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	ug/l	
104-51-8	n-Butylbenzene	8.4	5.0	ug/l	
135-98-8	sec-Butylbenzene	10.8	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide [a]	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene [a]	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	192 [b]	2.0	ug/l	
591-78-6	2-Hexanone	ND	10	ug/l	
98-82-8	Isopropylbenzene	62.3	5.0	ug/l	
99-87-6	p-Isopropyltoluene	14.7	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride [a]	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-5/TW		
Lab Sample ID:	MC48566-5	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
91-20-3	Naphthalene	124	5.0	ug/l	
103-65-1	n-Propylbenzene	67.5	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	
127-18-4	Tetrachloroethene [a]	ND	1.0	ug/l	
108-88-3	Toluene	23.7	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	70.5	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	2.1	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
	m,p-Xylene	19.9	1.0	ug/l	
95-47-6	o-Xylene	6.0	1.0	ug/l	
1330-20-7	Xylene (total)	25.9	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	98%	76-129%
2037-26-5	Toluene-D8	115% [c]	107%	83-114%
460-00-4	4-Bromofluorobenzene	101%	96%	75-124%

(a) Continuing Calibration outside of acceptance criteria. Reporting Limit response verified by low-level standard.
(b) Result is from Run# 2
(c) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-5/TW		
Lab Sample ID:	MC48566-5	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W30847.D	1	11/08/16	MR	11/04/16	OP49078	MSW1251
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN TCL List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	2.1	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.1	ug/l	
100-51-6	Benzyl Alcohol	ND	10	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	ug/l	
106-47-8	4-Chloroaniline	ND	10	ug/l	
86-74-8	Carbazole	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.1	ug/l	
111-44-4	bis(2-Chloroethyl)ether	5.1	5.1	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.1	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.1	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	ug/l	
132-64-9	Dibenzofuran	ND	2.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.1	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.1	ug/l	
84-66-2	Diethyl phthalate	ND	5.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-5/TW		
Lab Sample ID:	MC48566-5	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

BN TCL List

CAS No.	Compound	Result	RL	Units	Q
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.1	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.1	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	ug/l	
67-72-1	Hexachloroethane	ND	5.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	ug/l	
78-59-1	Isophorone	ND	5.1	ug/l	
91-57-6	2-Methylnaphthalene	4.5	2.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	ug/l	
99-09-2	3-Nitroaniline	ND	10	ug/l	
100-01-6	4-Nitroaniline	ND	10	ug/l	
91-20-3	Naphthalene	65.8	2.0	ug/l	
98-95-3	Nitrobenzene	ND	5.1	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.1	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	10	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		25-117%
321-60-8	2-Fluorobiphenyl	58%		24-112%
1718-51-0	Terphenyl-d14	90%		48-133%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-5/TW		
Lab Sample ID:	MC48566-5	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
		Percent Solids:	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 4.0	4.0	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]
Barium	381	50	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]
Cadmium	< 4.0	4.0	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]
Lead	129	5.0	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	11/03/16	11/04/16	EAL	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 10	10	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]
Silver	< 5.0	5.0	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA19593
(2) Instrument QC Batch: MA19594
(3) Prep QC Batch: MP26978
(4) Prep QC Batch: MP26980

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B-6/TW		
Lab Sample ID:	MC48566-6	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101729.D	1	11/06/16	AD	n/a	n/a	MSK3166
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	10	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide [a]	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene [a]	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride [a]	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-6/TW		
Lab Sample ID:	MC48566-6	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	
127-18-4	Tetrachloroethene [a]	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		76-129%
2037-26-5	Toluene-D8	100%		83-114%
460-00-4	4-Bromofluorobenzene	99%		75-124%

(a) Continuing Calibration outside of acceptance criteria. Reporting Limit response verified by low-level standard.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-6/TW		
Lab Sample ID:	MC48566-6	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W30848.D	1	11/08/16	MR	11/04/16	OP49078	MSW1251
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN TCL List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.1	ug/l	
100-51-6	Benzyl Alcohol	ND	10	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	ug/l	
106-47-8	4-Chloroaniline	ND	10	ug/l	
86-74-8	Carbazole	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.1	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.1	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.1	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.1	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	ug/l	
132-64-9	Dibenzofuran	ND	2.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.1	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.1	ug/l	
84-66-2	Diethyl phthalate	ND	5.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-6/TW		
Lab Sample ID:	MC48566-6	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

BN TCL List

CAS No.	Compound	Result	RL	Units	Q
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.1	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.1	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	ug/l	
67-72-1	Hexachloroethane	ND	5.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	ug/l	
78-59-1	Isophorone	ND	5.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	ug/l	
99-09-2	3-Nitroaniline	ND	10	ug/l	
100-01-6	4-Nitroaniline	ND	10	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
98-95-3	Nitrobenzene	ND	5.1	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.1	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	10	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		25-117%
321-60-8	2-Fluorobiphenyl	66%		24-112%
1718-51-0	Terphenyl-d14	87%		48-133%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-6/TW		
Lab Sample ID:	MC48566-6	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
		Percent Solids:	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 4.0	4.0	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]
Barium	167	50	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]
Cadmium	< 4.0	4.0	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]
Lead	5.3	5.0	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	11/03/16	11/04/16	EAL	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 10	10	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]
Silver	< 5.0	5.0	ug/l	1	11/03/16	11/04/16	EAL	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA19593
(2) Instrument QC Batch: MA19594
(3) Prep QC Batch: MP26978
(4) Prep QC Batch: MP26980

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B-7/TW		
Lab Sample ID:	MC48566-7	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101730.D	1	11/06/16	AD	n/a	n/a	MSK3166
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	10	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide [a]	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene [a]	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride [a]	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-7/TW		
Lab Sample ID:	MC48566-7	**Date Sampled:**	11/01/16
Matrix:	AQ - Ground Water	**Date Received:**	11/02/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Solar Street, 156-158 Solar Street, Syracuse, NY		

VOA TCL + STAR List

CAS No.	Compound	Result	RL	Units	Q
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	
127-18-4	Tetrachloroethene [a]	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		76-129%
2037-26-5	Toluene-D8	98%		83-114%
460-00-4	4-Bromofluorobenzene	97%		75-124%

(a) Continuing Calibration outside of acceptance criteria. Reporting Limit response verified by low-level standard.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

SGS ACCUTEST

SGS Accutest of New England
50 D'Angelo Drive, Building One Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 1

FED-EX Tracking #:
Bottle Order Control #:
SGS Accutest Quote #:
SGS Accutest Job #: MC48566

Client / Reporting Information

Company Name: Plumley Engineering
Street Address: 8232 Loop Road
City / State / Zip: Baldwinsville, NY 13027
Project Contact / E-mail: Derk Hudson
Phone # / Fax #: 315-638-8587
Sampler(s) Name(s) / Phone #: Sara Alesi 315-638-8587

Project Information

Project Name: Solar Street
Street: 156-158 Solar Street
City: Syracuse, NY
Project #: 20160122
Client PO#:
Project Manager: Derk

Billing Information (If different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB- Equipment Blank; RB- Rinse Blank; TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	8260 TCL + CP-51	8270 B/N + CP-51	Metals (8 RCRA)	LAB USE ONLY
-1	B-1 / TW		11/1/16	11:20	SLA	GW	3	3									X			
-2	B-2 / TW			11:30			3										X			
-3	B-3 / TW			11:10			5			1		1					X	X	X	
-4	B-4 / TW			1:50			3										X			
-5	B-5 / TW			2:30			5			1		1					X	X	X	
-6	B-6 / TW			3:10			5			1		1					X	X	X	
-7	B-7 / TW			12:45			3										X			

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [x] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM): / Date:

Data Deliverable Information

- [x] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

INITIAL ASESSMENT 18A 5A
LABEL VERIFICATION 4C2

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Sara Alesi	11/1/16 1550				2
3		11/2/16 920	3			4
5			5	Custody Seal #	Intact / Not intact	Preserved where applicable / On Ice / Cooler Temp. 1.3°C

MC48566: Chain of Custody
Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: MC48566 **Client:** PLUMLEY **Project:** SOLAR

Date / Time Received: 11/2/2016 9:20:00 AM **Delivery Method:** FEDX **Airbill #'s:** 777610687977

Cooler Temps (Initial/Adjusted): #1: (1.3/1.3);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Thermometer ID:	IRGUN1;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Comments

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑