Phase II
Environmental Site Assessment

Location:

100 Buckley Road
Syracuse, New York

Prepared for:

Mr. Vittorio Pascarella
Pascarella Development & Management, LLC
925 7th North Street
Liverpool, NY 13088

LaBella Project No. 2201387

May 8, 2020

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1.0 INTRODUCTION

LaBella Associates, D.P.C. ("LaBella") was retained by Pascarella Development & Management, LLC to conduct a Phase II Environmental Site Assessment (ESA) at the property located at 100 Buckley Road, Syracuse, Onondaga County, New York, hereinafter referred to as the "Site" (see Figure 1). This Phase II ESA has been performed in conformance with the scope and limitations of ASTM Practice E 1903-11.

1.1 Special Terms & Conditions

The findings of this Phase II ESA are based on the scope of work and project objectives as stated in LaBella Proposal number P2001661, dated April 6, 2020.

1.2 Limitations & Exceptions

Work associated with this Phase II ESA was performed in accordance with generally accepted environmental engineering and environmental contracting practices for this region. LaBella Associates, D.P.C., makes no other warranty or representation, either expressed or implied, nor is one intended to be included as part of its services, proposals, contracts or reports.

In addition, LaBella cannot provide guarantees, certifications or warranties that the property is or is not free of environmental impairment or other regulated solid wastes. The Client shall be aware that the data and representative samples from any given soil sampling point or monitoring well may represent conditions that apply only at that particular location, and such conditions may not necessarily apply to the general Site as a whole.

2.0 BACKGROUND

2.1 Site Description & Features

The Site consists of one tax parcel totaling 11.50 acres located to the east of Buckley Road. The Site is developed with two three-story buildings and six single-story buildings that were constructed between 1900 to 1971.

Site Building #1 is a 23,700 square feet three-story building constructed in 1900. Site Building #2 is a 34,440 square foot three-story building constructed in 1900. Site Building #3 is a 32,980 square foot one-story building constructed in 1961. Site Building #4 is a 37,550 square foot one-story building constructed in 1969. Site Building #5 is a 33,600 square foot one-story building constructed in 1971. Site Building #6 is a 5,985 square foot one-story building constructed in 1930. Site Building #7 is a 4,675 square foot one-story building constructed in 1930 and Site Building #8 is a 5,550 square foot one-story building constructed in 1930.

The Site was previously owned and operated by Will & Baumer Inc., a candle manufacturing facility. Building #1 includes a vacant former office building in poor condition with a full basement. Building #2 includes a vacant former Candle factory building in fair condition with a full basement. Building #3 includes a vacant former storage and candle works building with a full basement. Building #4 includes a vacant former storage and bleach house building constructed on concrete slab. Building #5 includes Sustainable Office Solutions, an office furniture warehouse, reportedly constructed on a concrete slab. No access was provided the interior of this structure. Building #6 includes a vacant

former wax storage and bleach house building constructed on concrete slab. Building #7 includes a vacant former boiler house building with smokestack constructed on concrete slab. Building #8 includes the current boiler building (former pipe shop) constructed on a concrete slab. Two natural gas boilers, an electric hot water heater and a parts/fittings room are located in this building.

The exterior of the Site includes asphalt-paved parking areas, an access road, concrete pavement and overgrown brush areas. In addition, the northwestern and eastern portions of the Site consist of undeveloped wooded areas.

2.2 Physical Setting

The Site is located to the east of Buckley Road and to the west of Interstate 81. The Site is located in an urban area; surrounding properties include residential dwellings, commercial buildings, highways, and undeveloped land.

2.3 Site History & Land Use

The Site has historically been utilized by the Will & Baumer Candle Co. as a bees wax and candle manufacturing facility since at least 1911 to approximately 2010. The site included offices, a candle factory, a laboratory, press and pan rooms, multiple sheds, a digester house, still house, a store room, a machine shop, a bleach house, a bleach yard, an oil house, and packaging and decorating areas. Multiple bulk storage tanks including grease and oil as well as an acid tank and a fuel oil tank were identified on historic maps in the southeastern portion of the Site. Railroad spurs were located between the site buildings on the eastern portion of the Site running north and south from at least 1911 until at least 1990.

2.4 Adjacent Property Use

The Site is bordered by the following properties:

Direction	Land Use
North	Retina-Vitreous Surgeons of Central New York (200 Greenfield Parkway), House Dermatology PC (235 Greenfield Parkway)
East	Interstate 81, undeveloped wooded land
South	Buckley Road, Park Street, Onondaga Lake Parkway
West	Buckley Road, Residential (6430 Onondaga Lake Parkway, 99-101 Buckley Road),

2.5 Summary of Previous Studies

The following environmental reports were prepared and reviewed for the Site:

2.5.1 LaBella Associates, D.P.C. Phase I ESA Report, dated April 3, 2020

LaBella recently completed a Phase I ESA report, dated April 3, 2020, at the Site which identified the following Recognized Environmental Conditions (RECs) as summarized below:

- **Historical Industrial Operations and Regulatory Listings at the Site**

Based on the historical records reviewed, it appears that the Site has historically been utilized by the Will & Baumer Candle Co. as a bees wax and candle manufacturing facility since at least 1911 to approximately 2010. The site included offices, a candle factory, a laboratory, press and pan rooms,

multiple sheds, a digester house, still house, a store room, a machine shop, a bleach house, a bleach yard, an oil house, and packaging and decorating areas. Multiple bulk storage tanks including grease and oil as well as an acid tank and a fuel oil tank were identified on historic maps in the southeastern portion of the Site. Railroad spurs were located between the site buildings on the eastern portion of the Site running north and south from at least 1911 until at least 1990. In addition, a refinery building was located adjacent south in the at least 1911.

Regulatory listings were identified for the Site including former aboveground storage tanks (ASTs) containing fuel oil and gasoline, and a chemical AST of unknown nature. These tanks are listed as having been removed from the Site. An inactive NYSDEC spill is associated with the Site (Spill #9200872), indicates contamination of fuel oil was found while decommissioning old ASTs. No additional information was made available regarding this spill. In addition, hazardous waste generation was identified at the Site from at least 1982 through at least 2010. Wastes generated include spent non halogenated solvents, ignitable wastes, corrosive wastes, chromium, methyl ethyl ketone, lead, benzene, chloroform, spent halogenated solvents, mercury and cresol.

A prior soil and groundwater investigation completed in 2010 included the installation of six soil borings which were converted to temporary groundwater monitoring wells at the Site. Laboratory analytical results indicated the presence of several constituents in shallow fill and groundwater with concentrations generally low and below applicable standards, with the exception of toluene which was identified at concentrations above groundwater standards at three locations. These exceedances were attributed to residual impacts from the historic ASTs in the southeast portion of the Site and the prior Spill incident inactivated by the NYSDEC.

While no further work was recommended as a result of this 2010 investigation, the prior work was limited in scope and appears insufficient to assess potential environmental impacts based on the industrial history and nature of this Site.

- Drums of Unknown Nature located at the Site

Six 55-gallon drums of what appeared to be soil were identified to the north of Building #7. Three of these drums were tipped over spilling their contents to the ground surface. The origin and nature of this material is unknown. It should be noted that while LaBella plans to sample soil and groundwater in this area as part of the Phase II investigation, removal of the drums and material should be performed by the owner of the Site.

Based on the RECs summarized above, there is a potential for subsurface impacts to be present at the Site.

3.0 OBJECTIVE

The objective of this Phase II ESA was to conduct an evaluation of subsurface conditions to assess for potential impacts identified in the recent Phase I ESA.

4.0 SCOPE OF WORK

To achieve the project objectives, the following Scope of Work was performed:

1. Prior to the initiation of subsurface work, LaBella retained the services of a geophysical survey sub-consultant New York Leak Detection, Inc. (NYLD) to perform a nonintrusive limited subsurface survey of the Site. The limited geophysical survey was completed on April 13, 2020, to clear soil boring locations.
2. In addition, prior to the initiation of subsurface work, an underground utility stake-out, via *Dig Safely New York*, was completed at the Site to locate utilities in the areas where the subsurface assessment would take place.
3. A direct push soil boring and sampling program of the overburden at the Site was implemented. Soil borings were advanced with a track-mounted Geoprobe® Systems Model 6610DT direct-push sampling system. The use of direct-push technology allows for sampling, observation, and characterization of overburden soils. The Geoprobe utilizes a 5-foot (ft) MacroCore® sampler with disposable polyethylene sleeves. Soil cores are retrieved in 5-ft sections and are cut from the polyethylene sleeves for observation and sampling. The MacroCore® sampler was decontaminated between boring locations using an Alconox® and potable water solution. A total of twenty-one (21) soil borings were advanced at the Site to a depths ranging between 10 and 15 feet (ft) below ground surface (bgs). Soil boring locations are depicted on Figure 2. Is should be noted that sampling beneath the buildings was not completed as part of the work.
4. Soils from the borings were continuously assessed for visible impairment, olfactory indications of impairment, and/or indication of detectable volatile organic compounds (VOCs) with a photo-ionization detector (PID). Positive indications from any of these screening methods are collectively referred to as “evidence of impairment.”
5. Seven (7) soil borings were converted to temporary overburden groundwater monitoring wells. Each well was completed with 5-ft or 10-ft. (or the total depth of the well) of 0.010-slot well screen connected to an appropriate length of solid PVC well riser to complete the well. The annulus was sand packed with quartz sand to a nominal depth of 1-ft above the well screen section. A 1-ft bentonite seal was placed above the sand pack. Refer to Section 5.2 for additional information.

6. Soil and groundwater samples were placed in a cooler on ice and sent under standard chain of custody procedures to Alpha Analytical in Westborough, Massachusetts. The following laboratory analyses were performed (See Figure 2 for soil boring locations):

   a. Soil

Sample ID	Sample Depth (ft bgs)	Laboratory Analyses
SB-03	7.5-10	- USEPA TCL and CP-51 List VOCs - CP-51 List SVOCs - RCRA Metals - PCBs
SB-05	2.5-5	
SB-05	8-10	
SB-06	5-7.5	
SB-14	7.5-10	
SB-17	5-10	
SB-18	12.5-15	

Notes:
1. USEPA Target Compound List (TCL) and New York State Department of Environmental Conservation (NYSDEC) Commissioner Policy (CP-51) list VOC analysis performed via USEPA Method 8260.
2. CP-51 List SVOC analysis performed via USEPA Method 8270.
3. RCRA Metals analysis performed via USEPA Method 6010 and 7471.
4. Polychlorinated Biphenyls (PCB) analysis performed via USEPA Method 8082.
5. Emerging contaminant testing was not included as part of the scope of work.

   b. Groundwater

Sample ID	Exploration Location	Screened Interval (ft bgs)	Depth to Water (ft bgs)	Laboratory Analyses
MW-01	SB-02	5-15	3.7	- USEPA TCL and CP-51 List VOCs - CP-51 List SVOCs
MW-02	SB-04	5-10	0.4	
MW-03	SB-06	5-10	1.6	
MW-04	SB-14	5-15	1.7	
MW-05	SB-17	5-10	1.5	
MW-06	SB-18	5-15	7.2	
MW-07	SB-20	5-15	3.3	

Notes:
1. USEPA TCL and NYSDEC CP-51 list VOC analysis performed via USEPA Method 8260.
2. CP-51 List SVOC analysis performed via USEPA Method 8270.

5.0 FINDINGS

5.1 Geophysical Survey

The limited geophysical survey was conducted at the Site to locate underground utilities to clear soil boring locations. Based on the results of the limited geophysical survey at the Site, utilities including natural gas, water and railroad tracks were identified and planned boring locations were moved accordingly. A copy of the geophysical survey report is included in Appendix 1.

5.2 Site Geology and Hydrology

Twenty-one (21) soil borings were advanced at the Site on April 20, 2020, designated SB-01 through SB-21. The soil borings were advanced at the Site to terminal depths between 10 and 15 ft bgs. Equipment refusal was not encountered during the work.

Soils at the Site beneath an initial asphalt or gravel layer consisted generally of brown, dark brown and gray silt, grey/brown clay and sub-angular gravel. Urban fill materials (black material, bricks, ash, etc.) were identified in the upper five (5) feet of the majority of borings.

All soil cores were continuously assessed by a LaBella Environmental Geologist for soil type and evidence of impairment. Olfactory evidence of environmental impairment (petroleum odors) was identified associated with SB-05 from 5 to 10 ft bgs. In addition, slight petroleum odors and globs of possible product and sheen were identified associated with SB-14 from 9 to 10 ft bgs. Elevated PID readings (i.e., greater than 5 part per million (ppm)) were also observed at these soil boring locations, with the highest PID reading measured in boring SB-05 (160.9 ppm) at approximately 7.5 to 10 ft bgs and SB-14 (10.5 ppm) at approximately 2.5 to 5 ft bgs. Refer to Section 5.3 for additional information regarding field screening results. PID readings collected from the soil borings are included in the test boring field logs in Appendix 2.

Seven (7) temporary overburden groundwater monitoring wells, designated MW-01 through MW-07 were installed at the Site. The wells were completed with 5-ft to 10-ft. of 0.01-inch slotted well screen below PVC risers, to total depths ranging from 10 to 15 ft bgs. The annulus surrounding the wells was filled with quartz sand. The depth to groundwater ranged from 0.4 to 7.2 ft bgs. The groundwater monitoring wells were developed by purging approximately three (3) well volumes using a dedicated bailer. It should be noted that the groundwater samples collected remained fairly turbid after development.

Soil borings and monitoring well location are shown on Figure 2. Copies of the Soil Boring Logs are included in Appendix 2.

5.3 Field Screening Results

The table below summarizes PID readings detected above background obtained at various depth intervals from the soil borings. Note only SB-05 and SB-14 showed PID readings above background:

Test Boring Soil PID Readings Above Background

Test Boring ID	Sample Interval (ft bgs)					
	0-2.5	2.5-5	5-7.5	7.5-10	10-12.5	12.5-15
SB-05	0.0	66.6*	7.7	160.9*	39.7	45.6
SB-14	0.0	10.5*	0.5	0.7	10.1	4.0

Notes:

1. *All PID readings were collected utilizing a Minirae 3000 photoionization detector and are expressed in parts per million.*
2. *The PID screening is performed as a method of determining general presence of VOCs in soil, and to provide a basis for selecting samples for laboratory analysis. The readings obtained provide only an indication of the relative levels of VOC presence in the soil, and are not considered to be a direct quantization of actual soil VOC concentration.*
3. *"--" denotes boring not completed to above-listed depth or insufficient recovery occurred at specified depth.*
4. *"*" denotes a soil sample was submitted for laboratory analysis from this interval.*

5.4 Laboratory Analytical Results

5.4.1 Soil

A total of seven (7) soil samples were selected for laboratory analysis of the parameters identified in the table in Section 4.0. The soil results have been compared to the Soil Cleanup Objectives (SCOs) included in the 6NYCRR Part 375-6.8 Unrestricted Use, Residential Use, Restricted Residential Use, Protection of Groundwater and Commercial Use SCOs. Refer to Tables 1 through 4 for a summary of VOCs, SVOCs, Metals and PCBs in soil. The laboratory report is included as Appendix 3. Below is a summary of soil results.

VOCs:

- One VOC, acetone was detected in SB-05 (2.5-5 and 8 to 10 ft bgs), SB-06 (5 to 7.5 ft bgs), SB-14 (7.5 to 10 ft bgs) and SB-17 (5 to 10 ft bgs) slightly above NYSDEC Unrestricted Use and Protection of Groundwater SCOs. It should be noted that acetone is a common laboratory contaminant.

- Additional VOCs were detected in soils at concentrations above laboratory method detection limits (MDLs) in each of the soil samples collected; however, the concentrations detected were well below Unrestricted Use or Protection of Groundwater SCOs.

SVOCs:

- SVOCs were detected in soils from SB-05 (2.5-5 and 8 to 10 ft bgs) and SB-17 (5 to 10 ft bgs) at concentrations above laboratory MDLs; however, the concentrations detected were well below Unrestricted Use or Protection of Groundwater SCOs.

RCRA Metals

- RCRA Metals were detected above laboratory MDLs in each of the soil samples. Of these detections, lead was identified in exceedance of Unrestricted Use SCOs in soils from SB-05 (2.5-5 and 8 to 10 ft bgs). All other detected concentrations did not exceed Unrestricted Use or Protection of Groundwater SCOs.

PCBs

- Seven (7) soil samples were analyzed for PCBs. No PCBs were detected above laboratory MDLs in soil.

It should be noted that soils from SB-05 (0-2.5 ft bgs) and SB-05 (8-10 ft bgs) both were collected from relatively shallow depths, were black in color and contained apparent urban fill materials (black material, bricks, ash, etc.). In addition, apparent urban fill material was identified at soil borings SB-06, SB-07, SB-08, SB-09 and SB-14.

5.4.2 Groundwater

Groundwater samples were collected from wells MW-01 (SB-01), MW-02 (SB-04), MW-03 (SB-06), MW-04 (SB-14), MW-05 (SB-17), MW-06 (SB-18) and MW-07 (SB-20) and submitted for laboratory analysis of the parameters identified in the table in Section 4.0. The groundwater results were compared to NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values. Refer to Tables 5 and 6 for a summary of VOCs and SVOCs in groundwater. The laboratory report is included as Appendix 3. Below is a summary of groundwater results.

VOCs:

- VOCs were detected at concentrations above laboratory MDLs in each of the groundwater samples; however, the concentrations detected did not exceed TOGS Standards.

SVOCs:

- A total of six (6) SVOCs were detected in groundwater samples from MW-02, MW-03, MW-04, MW-05 and MW-07 at concentrations slightly in exceedance of TOGS Standards. These SVOCs included benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, benzo(k)fluoranthene, indeno(1,2,3-cd)pyrene and chrysene. In addition, benzo(b)fluoranthene was detected in the groundwater sample from MW-06 at concentrations slightly in exceedance of TOGS Standards. The compounds identified are polyaromatic hydrocarbons (PAHs), which are generated from the partial combustion of fossil fuels and are often found in urban fill material, but are also found in coal tar, soot and asphalt. In addition, these types of SVOCs are generally insoluble in water. Based on the groundwater samples being relatively turbid during sample collection, these detections may not be representative of actual groundwater conditions but rather particulate matter within the sample.

6.0 CONCLUSIONS

LaBella was retained by Pascarella Development & Management, LLC to conduct a Phase II Environmental Site Assessment (ESA) at the property located at 100 Buckley Road, Syracuse, Onondaga County, New York. The Phase II ESA consisted of the advancement of twenty-one (21) soil borings, installation of seven (7) temporary groundwater monitoring wells, and the laboratory analysis of soil and groundwater samples. This Phase II ESA was performed to evaluate the Site for potential subsurface impacts related to the RECs identified in the Phase I ESA report recently completed by LaBella. The following conclusions have been made:

- One VOC, acetone, was detected in four of the soil samples slightly above NYSDEC Unrestricted Use and Protection of Groundwater SCOs. When compared to less stringent criteria, such as Residential Use SCOs, these levels are below NYSDEC standards. In addition, it should be noted that acetone is a common laboratory contaminant and acetone was not detected at concentrations above the TOGS Standards in the groundwater samples.

- No SVOCs were detected in soils above NYSDEC SCOs.

- One metal, lead, was detected in two soil samples collected from the same soil boring (SB-05) slightly in exceedance of Unrestricted Use SCOs. When compared to less stringent criteria, such as Residential Use SCOs, these levels are below NYSDEC standards.

- No PCBs were detected above laboratory MDLs in soil.

- No VOCs were detected in groundwater at concentrations in exceedance of TOGS Standards.

- A total of six (6) SVOCs were detected in groundwater samples from MW-02, MW-03, MW-04, MW-05 and MW-07 at concentrations slightly in exceedance of TOGS Standards. The compounds identified in exceedance are PAHs, which are generated from the partial combustion of fossil fuels and are often found in urban fill material. The detections and exceedances of SVOCs may be related to particulate within the groundwater samples (as noted in Section 5.2 and 5.4.2 above) as opposed to dissolved phase concentrations of SVOCs. As such, these results may not be representative of groundwater conditions. Regardless, the SVOCs identified do not appear to represent a remedial concern at this time based on the low-level concentrations. In addition, the Site is located in an urban area and groundwater is not a source of drinking water. Drinking water is supplied from a municipal source.

7.0 RECOMMENDATIONS

Although low-level VOCs and metals impacts in soil at concentrations above NYSDEC criteria were identified, the slightly elevated concentrations were sporadic and when compared to less stringent NYSDEC criteria (such as Residential Use), these levels were below standards. In addition, the VOC exceedance included acetone, which is a common laboratory contaminant and the metals exceedance included only lead at one soil boring location.

While SVOC impacts in groundwater at concentrations above NYSDEC criteria were identified, the slightly elevated concentrations were not identified in other areas of the Site, such as in soils, and no evidence of impairment (other than urban fill and slightly elevated PID results and petroleum odors at two soil boring locations) was observed in the field. In addition, based on the nature of the relatively shallow soils identified, historical usage and urban nature of the Site, these impacts appear to be associated with historic/urban fill materials identified on-Site, rather than a single release event. Based on this information, additional soil and groundwater investigation and/or remediation does not appear warranted at the Site at this time.

However, based on the exceedances of NYSDEC criteria identified in soil and groundwater, the urban/historical fill materials, future excavations will require excavated material to be handled/managed in accordance with applicable regulations. Specifically, fill material will require management in accordance with NYSDEC Part 360 regulations. In addition, due to the detections of SVOCs in groundwater, future dewatering activities may require special consideration (e.g., filtration and sampling to confirm chemical content prior to discharge).

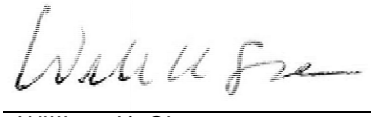
Finally, based on the apparent urban fill material observed at the Site, the elevated concentrations of SVOCs in groundwater and the long history of manufacturing operations (which could have resulted in discrete areas of impacts, such as, beneath buildings), development of an Environmental Management Plan (EMP) is recommended. The EMP would outline procedures for the proper identification and management of known or unknown impacted materials which could be encountered during any future earthwork or construction at the Site (e.g., utility maintenance, redevelopment, etc.).

As previously indicated, the six 55-gallon drums of what appeared to be soil should be removed from the Site by the owner in accordance with all applicable regulations.

A copy of all information collected during this assessment, including maps, notes, analytical data and other material will be kept on file at the offices of LaBella Associates, D.P.C. This information is available upon the request.

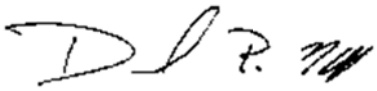
8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Report Prepared:



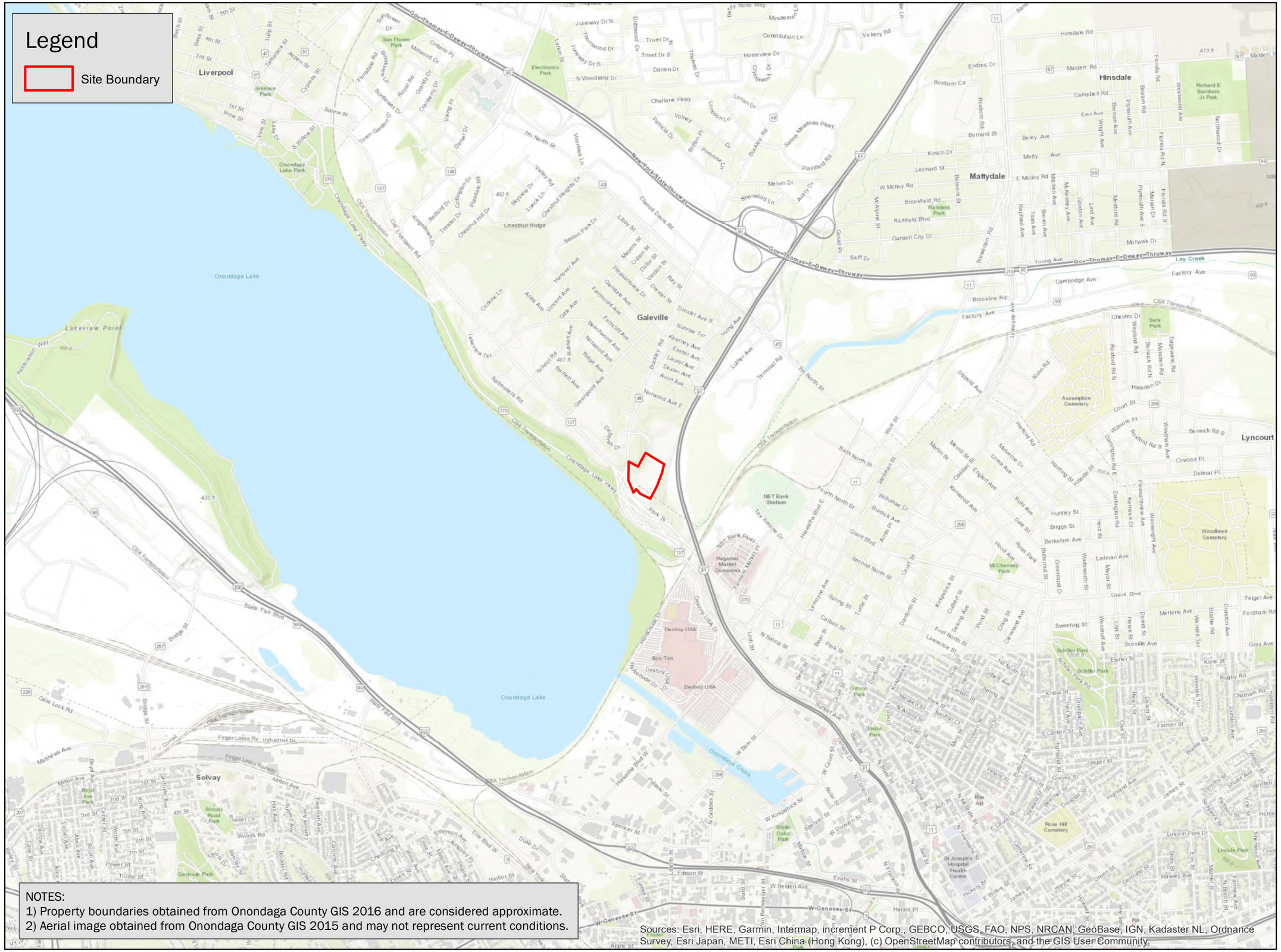
William K. Sisco
Regional Environmental Manager

Report Reviewed By:



Dan Noll, P.E.
Remedial Design Engineer

FIGURES



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CLIENT:

PASCARELLA DEVELOPMENT & MANAGEMENT

PROJECT:

100 BUCKLEY ST
SYRACUSE. NY

DRAWING NAME:

SITE LOCATION MAP

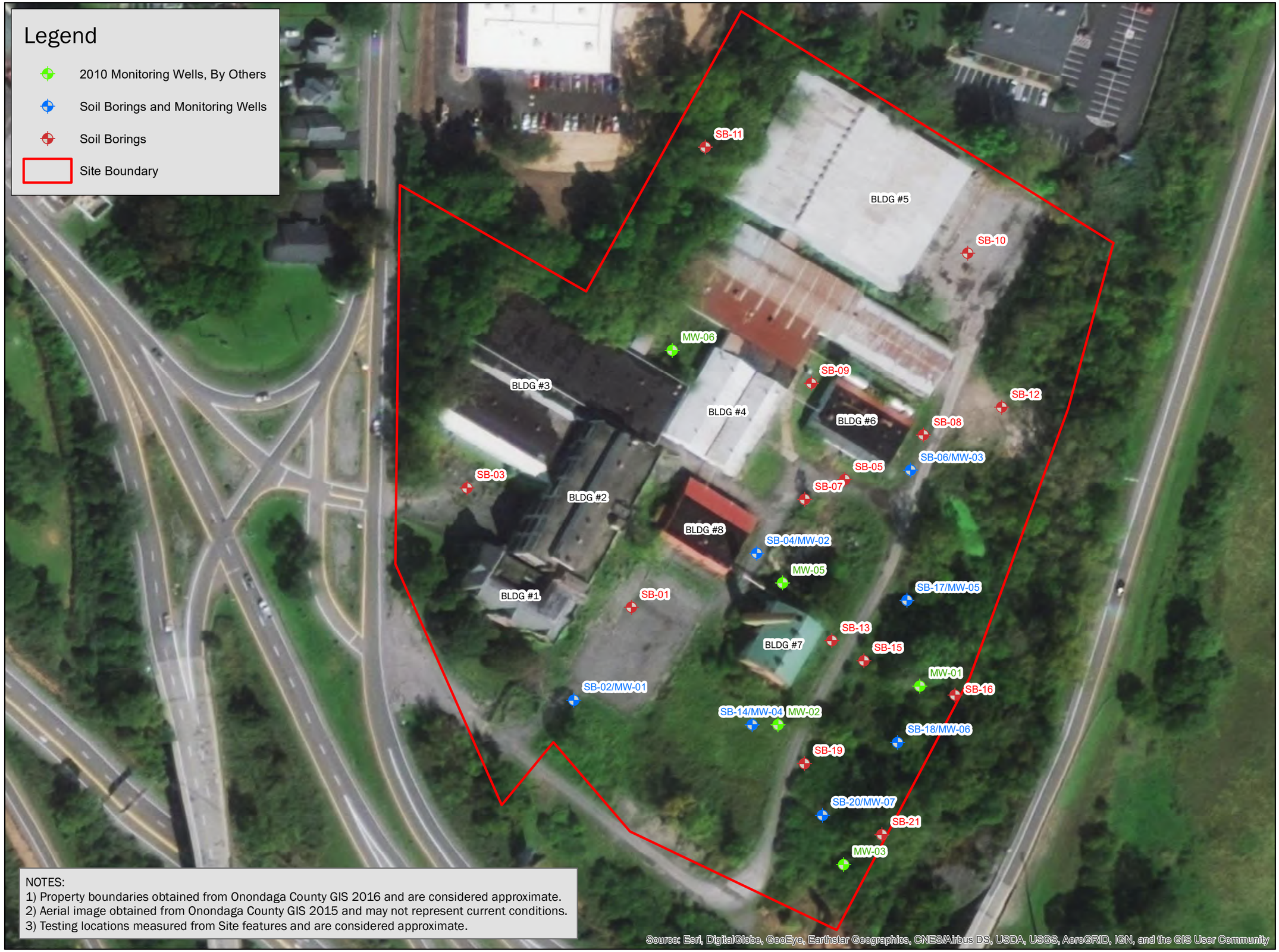
PROJECT #/DRAWING #/ DATE

2201387

FIGURE 1

5/7/2020

J:\Pascarellas Dev & Mgmt\2201387 - 100 Buckley Rd Ph II ESA\Drawings\FIGURE 1.mxd



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PROJECT:

100 BUCKLEY ST
SYRACUSE. NY

DRAWING NAME:

TESTING LOCATION MAP

PROJECT #/DRAWING #/ DATE

2201387

FIGURE 2

5/8/2020

J:\Pascarellas Dev & Mgmt\2201387 - 100 Buckley Rd Ph II ESA\Drawings\FIGURE 2.mxd

TABLES

Table 1
Phase II Environmental Site Assessment
100 Buckley Road, Liverpool, NY
Summary of Volatile Organic Compounds in Soil
LaBella Project #2201387

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Residential Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	NYCRR Part 375 Commercial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SB-03	SB-05	SB-05	SB-06	SB-14	SB-17	SB-18
Sample Depth (ft bgs)						7.5-10.0	2.5-5.0	8.0-10.0	5.0-7.5	7.5-10.0	5.0-10.0	12.5-15.0
Sample Date						4/20/2020	4/20/2020	4/20/2020	4/20/2020	4/20/2020	4/20/2020	4/20/2020
Volatile Organic Compounds												
1,1,1-Trichloroethane	0.68	100	100	500	0.68	<0.00018 U	<0.0003 U	<0.00028 U	<0.00018 U	<0.00016 U	<0.00029 U	<0.00038 U
1,1,2,2-Tetrachloroethane	NL	NL	NL	NL	NL	<0.00018 U	<0.0003 U	<0.00028 U	<0.00018 U	<0.00016 U	<0.00029 U	<0.00038 U
1,1,2-Trichloroethane	NL	NL	NL	NL	NL	<0.00029 U	<0.00048 U	<0.00045 U	<0.0003 U	<0.00026 U	<0.00047 U	<0.0006 U
1,1-Dichloroethane	0.27	19	26	240	0.27	<0.00016 U	<0.00026 U	<0.00025 U	<0.00016 U	<0.00014 U	<0.00025 U	<0.00033 U
1,1-Dichloroethene	0.33	100	100	500	0.33	<0.00026 U	<0.00043 U	<0.0004 U	<0.00026 U	<0.00023 U	<0.00042 U	<0.00054 U
1,2,4-Trichlorobenzene	NL	NL	NL	NL	NL	<0.0003 U	<0.00049 U	<0.00046 U	<0.0003 U	<0.00027 U	<0.00048 U	<0.00062 U
1,2,4-Trimethylbenzene	3.6	47	52	190	3.6	<0.00037 U	0.0011 J	0.0024 J	0.00075 J	<0.00033 U	<0.00058 U	<0.00076 U
1,2-Dibromo-3-chloropropane	NL	NL	NL	NL	NL	<0.0011 U	<0.0018 U	<0.0017 U	<0.0011 U	<0.00098 U	<0.0017 U	<0.0022 U
1,2-Dibromoethane	NL	NL	NL	NL	NL	<0.0003 U	<0.00051 U	<0.00047 U	<0.00031 U	<0.00027 U	<0.00049 U	<0.00063 U
1,2-Dichlorobenzene	1.1	100	100	500	1.1	<0.00016 U	<0.00026 U	<0.00024 U	<0.00016 U	<0.00014 U	<0.00025 U	<0.00032 U
1,2-Dichloroethane	0.02	2.3	3.1	30	0.02	<0.00028 U	<0.00047 U	<0.00044 U	<0.00028 U	<0.00025 U	<0.00045 U	<0.00058 U
1,2-Dichloropropane	NL	NL	NL	NL	NL	<0.00014 U	<0.00023 U	<0.00021 U	<0.00014 U	<0.00012 U	<0.00022 U	<0.00028 U
1,3,5-Trimethylbenzene	8.4	47	52	190	8.4	<0.00021 U	<0.00035 U	0.00054 J	<0.00021 U	<0.00019 U	<0.00034 U	<0.00044 U
1,3-Dichlorobenzene	2.4	17	49	280	2.4	<0.00016 U	<0.00027 U	<0.00025 U	<0.00016 U	<0.00014 U	<0.00026 U	<0.00033 U
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	<0.00019 U	<0.00031 U	<0.00029 U	<0.00019 U	<0.00017 U	<0.0003 U	<0.00039 U
2-Butanone	0.12	100	100	500	0.12	<0.0024 U	0.019	0.055	0.0082 J	0.012	0.0084 J	<0.005 U
2-Hexanone	NL	NL	NL	NL	NL	<0.0013 U	<0.0021 U	<0.002 U	<0.0013 U	<0.0012 U	<0.0021 U	<0.0027 U
4-Methyl-2-pentanone	NL	NL	NL	NL	NL	<0.0014 U	<0.0023 U	0.016 J	<0.0014 U	<0.0012 U	<0.0022 U	<0.0029 U
Acetone	0.05	100	100	500	0.05	0.0056 J	***0.12***	***0.26***	***0.05***	***0.064***	***0.074***	0.033
Benzene	0.06	2.9	4.8	44	0.06	<0.00018 U	0.0028	0.012	0.0029	<0.00016 U	<0.00029 U	<0.00038 U
Bromodichloromethane	NL	NL	NL	NL	NL	<0.00012 U	<0.0002 U	<0.00018 U	<0.00012 U	<0.00011 U	<0.00019 U	<0.00025 U
Bromoform	NL	NL	NL	NL	NL	<0.00027 U	<0.00045 U	<0.00042 U	<0.00027 U	<0.00024 U	<0.00043 U	<0.00056 U
Bromomethane	NL	NL	NL	NL	NL	<0.00064 U	<0.001 U	<0.00099 U	<0.00064 U	<0.00057 U	<0.001 U	<0.0013 U
Carbon disulfide	NL	NL	NL	NL	NL	<0.005 U	0.0088 J	0.026	0.0057 J	<0.0045 U	<0.008 U	<0.01 U
Carbon tetrachloride	0.76	1.4	2.4	22	0.76	<0.00025 U	<0.00042 U	<0.00039 U	<0.00025 U	<0.00022 U	<0.0004 U	<0.00052 U
Chlorobenzene	1.1	100	100	500	1.1	<0.00014 U	<0.00023 U	<0.00022 U	<0.00014 U	<0.00012 U	<0.00022 U	<0.00029 U
Chloroethane	NL	NL	NL	NL	NL	<0.0005 U	<0.00082 U	<0.00077 U	<0.0005 U	<0.00044 U	<0.00079 U	<0.001 U
Chloroform	0.37	10	49.0	350	0.37	0.00066 J	<0.00025 U	<0.00024 U	<0.00015 U	<0.00014 U	<0.00024 U	<0.00032 U
Chloromethane	NL	NL	NL	NL	NL	<0.001 U	<0.0017 U	<0.0016 U	<0.001 U	<0.00092 U	<0.0016 U	<0.0021 U
cis-1,2-Dichloroethene	0.25	59	100	500	0.25	<0.00019 U	<0.00032 U	<0.0003 U	<0.00019 U	<0.00017 U	<0.00031 U	<0.0004 U
cis-1,3-Dichloropropene	NL	NL	NL	NL	NL	<0.00017 U	<0.00029 U	<0.00027 U	<0.00017 U	<0.00016 U	<0.00028 U	<0.00036 U
Cyclohexane	NL	NL	NL	NL	NL	<0.0006 U	<0.00099 U	<0.00092 U	<0.0006 U	<0.00053 U	<0.00095 U	<0.0012 U
Dibromochloromethane	NL	NL	NL	NL	NL	<0.00015 U	<0.00025 U	<0.00024 U	<0.00015 U	<0.00014 U	<0.00024 U	<0.00032 U
Dichlorodifluoromethane	NL	NL	NL	NL	NL	<0.001 U	<0.0017 U	<0.0016 U	<0.001 U	<0.0009 U	<0.0016 U	<0.0021 U
Ethylbenzene	1	30	41	390	1	<0.00015 U	0.00037 J	0.0023	0.001 J	<0.00014 U	<0.00025 U	<0.00032 U
Freon-113	NL	NL	NL	NL	NL	<0.00076 U	<0.0012 U	<0.0012 U	<0.00077 U	<0.00068 U	<0.0012 U	<0.0016 U
Isopropylbenzene	NL	NL	NL	NL	NL	<0.00012 U	<0.0002 U	0.00023 J	<0.00012 U	<0.00011 U	<0.00019 U	<0.00025 U
Methyl Acetate	NL	NL	NL	NL	NL	<0.001 U	<0.0017 U	<0.0016 U	<0.001 U	<0.00093 U	<0.0017 U	<0.0021 U
Methyl cyclohexane	NL	NL	NL	NL	NL	<0.00066 U	<0.0011 U	0.0011 J	<0.00067 U	<0.00059 U	<0.001 U	<0.0014 U
Methyl tert butyl ether	0.93	62	100	500	0.93	<0.00022 U	<0.00036 U	<0.00034 U	<0.00022 U	<0.0002 U	<0.00035 U	<0.00045 U
Methylene chloride	0.05	51	100	500	0.05	<0.0025 U	<0.0042 U	<0.0039 U	<0.0025 U	<0.0022 U	<0.004 U	<0.0052 U
n-Butylbenzene	12	100	100	500	12	<0.00018 U	0.0013 J	0.0084	0.0082	<0.00016 U	<0.00029 U	<0.00038 U
n-Propylbenzene	3.9	100	100	500	3.9	<0.00019 U	0.0005 J	0.0034	0.003	<0.00017 U	<0.0003 U	<0.00039 U
Naphthalene	12	100	100	500	12	<0.00071 U	0.022	0.028	0.0063	<0.00064 U	<0.0011 U	<0.0015 U
o-Xylene	NL	NL	NL	NL	NL	<0.00032 U	<0.00053 U	0.0019	0.00058 J	<0.00028 U	<0.00051 U	<0.00066 U
p-Isopropyltoluene	NL	NL	NL	NL	NL	<0.00012 U	0.034	0.04	0.0021	<0.00011 U	<0.00019 U	<0.00025 U
p/m-Xylene	NL	NL	NL	NL	NL	<0.00061 U	<0.001 U	0.0018 J	0.00067 J	<0.00055 U	<0.00098 U	<0.0013 U
sec-Butylbenzene	11	100	100	500	11	<0.00016 U	<0.00026 U	<0.00025 U	<0.00016 U	<0.00014 U	<0.00026 U	<0.00033 U
Styrene	NL	NL	NL	NL	NL	<0.00021 U	<0.00036 U	<0.00033 U	<0.00022 U	<0.00019 U	<0.00034 U	<0.00044 U
tert-Butylbenzene	5.9	100	100	500	5.9	<0.00013 U	<0.00021 U	<0.0002 U	<0.00013 U	<0.00012 U	<0.00021 U	<0.00027 U
Tetrachloroethene	1.3	5.5	19	150	1.3	<0.00021 U	<0.00036 U	<0.00033 U	<0.00022 U	<0.00019 U	<0.00034 U	<0.00044 U
Toluene	0.7	100	100	500	0.7	<0.0006 U	<0.00099 U	0.0025	0.00099 J	<0.00053 U	<0.00095 U	<0.0012 U
trans-1,2-Dichloroethene	0.19	100	100	500	0.19	<0.00015 U	<0.00025 U	<0.00023 U	<0.00015 U	<0.00013 U	<0.00024 U	<0.00031 U
trans-1,3-Dichloropropene	NL	NL	NL	NL	NL	<0.0003 U	<0.0005 U	<0.00046 U	<0.0003 U	<0.00027 U	<0.00048 U	<0.00062 U
Trichloroethene	0.47	10	21	200	0.47	<0.00015 U	<0.00025 U	<0.00023 U	<0.00015 U	<0.00013 U	<0.00024 U	<0.00031 U
Trichlorofluoromethane	NL	NL	NL	NL	NL	<0.00076 U	<0.0013 U	<0.0012 U	<0.00077 U	<0.00068 U	<0.0012 U	<0.0016 U
Vinyl chloride	0.02	0.21	0.9	13	0.02	<0.00037 U	<0.00061 U	<0.00057 U	<0.00037 U	<0.00033 U	<0.00059 U	<0.00076 U
Total VOCs	–	–	–	–	–	0.00626 -	0.20987 -	0.46157 -	0.09039 -	0.076 -	0.0824 -	0.033 -

NOTES:

All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)

"<" - Indicates compound was not detected above the indicated laboratory method detection limit (MDL).

Bold font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)

Single underline indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Residential Use SCO

Red font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO

Yellow highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Commercial Use SCO

Bold italic font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Protection of Groundwater SCO

VOCs analyzed by USEPA Method 8260

NL indicates Not Listed

ND indicates None Detected

J indicates an estimated value

U indicates the analyte was not detected above laboratory MDLs

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Table 2
Phase II Environmental Site Assessment
100 Buckley Road, Liverpool, NY
Summary of Semi-volatile Organic Compounds in Soil
LaBella Project #2201387

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Residential Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	NYCRR Part 375 Commercial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SB-03		SB-05		SB-05		SB-06		SB-14		SB-17		SB-18	
Sample Depth (ft bgs)						7.5-10.0		2.5-5.0		8.0-10.0		5.0-7.5		7.5-10.0		5.0-10.0		12.5-15.0	
Sample Date						4/20/2020		4/20/2020		4/20/2020		4/20/2020		4/20/2020		4/20/2020		4/20/2020	
Semi-volatile Organic Compounds																			
Acenaphthene	20	100	100	500	98	<0.021	U	<0.48	U	<0.026	U	<0.47	U	<0.02	U	<0.027	U	<0.028	U
Acenaphthylene	100	100	100	500	107	<0.031	U	<0.71	U	<0.038	U	<0.7	U	<0.03	U	<0.041	U	<0.041	U
Anthracene	100	100	100	500	1000	<0.04	U	<0.9	U	<0.048	U	<0.88	U	<0.038	U	<0.052	U	<0.052	U
Benzo(a)anthracene	1	1	1	5.6	1	<0.023	U	<0.52	U	<0.028	U	<0.51	U	<0.022	U	0.056	J	<0.03	U
Benzo(a)pyrene	1	1	1	1	22	<0.05	U	<1.1	U	<0.061	U	<1.1	U	<0.047	U	<0.065	U	<0.065	U
Benzo(b)fluoranthene	1	1	1	5.6	1.7	<0.034	U	<0.78	U	<0.042	U	<0.76	U	<0.033	U	0.061	J	<0.045	U
Benzo(ghi)perylene	100	100	100	500	1000	<0.024	U	<0.54	U	<0.029	U	<0.53	U	<0.023	U	<0.031	U	<0.031	U
Benzo(k)fluoranthene	0.8	1	3.9	56	1.7	<0.032	U	<0.74	U	<0.04	U	<0.72	U	<0.031	U	<0.042	U	<0.042	U
Chrysene	1	1	3.9	56	1	<0.021	U	<0.48	U	<0.026	U	<0.47	U	<0.02	U	0.048	J	<0.028	U
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.56	1000	<0.024	U	<0.54	U	<0.029	U	<0.52	U	<0.022	U	<0.031	U	<0.031	U
Fluoranthene	100	100	100	500	1000	<0.023	U	<0.53	U	0.034	J	<0.52	U	<0.022	U	0.091	J	<0.03	U
Fluorene	30	100	100	500	386	<0.02	U	<0.45	U	<0.024	U	<0.44	U	<0.019	U	<0.026	U	<0.026	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	5.6	8.2	<0.028	U	<0.64	U	<0.035	U	<0.63	U	<0.027	U	<0.037	U	<0.037	U
Phenanthrene	100	100	100	500	1000	<0.025	U	1.3	J	0.062	J	<0.55	U	<0.024	U	0.087	J	<0.032	U
Pyrene	100	100	100	500	1000	<0.02	U	<0.46	U	0.026	J	<0.45	U	<0.019	U	0.08	J	<0.026	U
Total SVOCs	–	–	–	–	–	-	-	1.3	-	0.122	-	-	-	-	-	0.423	-	-	-

NOTES:

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"<" - Indicates compound was not detected above the indicated laboratory method detection limit (MDL).

Bold font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)

Single underline indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Residential Use SCO

Red font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO

Yellow highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Commercial Use SCO

Bold italic font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Protection of Groundwater SCO

SVOCs analyzed by USEPA Method 8270

NL indicates Not Listed

ND indicates None Detected

J indicates an estimated value

U indicates the analyte was not detected above laboratory MDLs

Table 3
Phase II Environmental Site Assessment
100 Buckley Road, Liverpool, NY
Summary of Metals in Soil
LaBella Project #2201387

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Residential Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	NYCRR Part 375 Commercial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SB-03		SB-05		SB-05		SB-06		SB-14		SB-17		SB-18	
Sample Depth (ft bgs)						7.5-10.0		2.5-5.0		8.0-10.0		5.0-7.5		7.5-10.0		5.0-10.0		12.5-15.0	
Sample Date						4/20/2020		4/20/2020		4/20/2020		4/20/2020		4/20/2020		4/20/2020		4/20/2020	
Metals																			
Arsenic	13	16	16	16	16	2.47		1		4.05		1.28		3.51		2.52		<0.13	U
Barium	350	350	400	400	820	4.7		61.9		87.3		40.2		16.6		20.2		38.2	
Cadmium	2.5	2.5	4.3	9.3	7.5	0.171	J	<0.054	U	0.352	J	0.179	J	0.33	J	0.245	J	0.394	J
Chromium	30	36	180	1500	NL	2.98		1.1		9.93		3.48		9.09		5.24		7.25	
Lead	63	400	400	1000	450	3.81		**80.2**		**175**		36.5		14.2		10.4		1.59	J
Mercury	0.18	0.81	0.81	2.8	0.73	<0.052	U	0.163		0.081	J	0.155		0.162		<0.077	U	<0.072	U
Selenium	3.9	36	180	1500	4	0.166	J	<0.142	U	0.502	J	1.96		0.298	J	0.961	J	0.6	J
Silver	2	36	180	1500	8.3	<0.134	U	<0.156	U	<0.163	U	<0.154	U	<0.13	U	<0.182	U	<0.177	U

NOTES:

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Bold font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)

Single underline indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Residential Use SCO

Red font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO

Yellow highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Commercial Use SCO

Bold italic font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Protection of Groundwater SCO

Metals analyzed by USEPA Method 6010

NL indicates Not Listed

ND indicates None Detected

J indicates an estimated value

U indicates the analyte was not detected above laboratory MDLs

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Table 4
Phase II Environmental Site Assessment
100 Buckley Road, Liverpool, NY
Summary of Polychlorinated Biphenyls in Soil
LaBella Project #2201387

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Residential Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	NYCRR Part 375 Commercial Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SB-03	SB-05	SB-05	SB-06	SB-14	SB-17	SB-18
Sample Depth (ft bgs)						7.5-10.0	2.5-5.0	8.0-10.0	5.0-7.5	7.5-10.0	5.0-10.0	12.5-15.0
Sample Date						4/20/2020	4/20/2020	4/20/2020	4/20/2020	4/20/2020	4/20/2020	4/20/2020
PCBs												
Aroclor 1016	0.1	1	1	1	3.2	<0.00346 U	<0.00413 U	<0.00437 U	<0.00392 U	<0.0033 U	<0.0124 U	<0.00467 U
Aroclor 1221	0.1	1	1	1	3.2	<0.0039 U	<0.00466 U	<0.00494 U	<0.00442 U	<0.00372 U	<0.014 U	<0.00527 U
Aroclor 1232	0.1	1	1	1	3.2	<0.00826 U	<0.00987 U	<0.0104 U	<0.00936 U	<0.00788 U	<0.0296 U	<0.0112 U
Aroclor 1242	0.1	1	1	1	3.2	<0.00525 U	<0.00628 U	<0.00664 U	<0.00595 U	<0.00501 U	<0.0188 U	<0.00709 U
Aroclor 1248	0.1	1	1	1	3.2	<0.00585 U	<0.00698 U	<0.00739 U	<0.00662 U	<0.00558 U	<0.021 U	<0.00789 U
Aroclor 1254	0.1	1	1	1	3.2	<0.00426 U	<0.00509 U	<0.00539 U	<0.00483 U	<0.00407 U	<0.0153 U	<0.00576 U
Aroclor 1260	0.1	1	1	1	3.2	<0.0072 U	<0.0086 U	<0.0091 U	<0.00816 U	<0.00687 U	<0.0258 U	<0.00972 U
Aroclor 1262	0.1	1	1	1	3.2	<0.00495 U	<0.00591 U	<0.00626 U	<0.00561 U	<0.00472 U	<0.0177 U	<0.00668 U
Aroclor 1268	0.1	1	1	1	3.2	<0.00404 U	<0.00482 U	<0.0051 U	<0.00457 U	<0.00385 U	<0.0145 U	<0.00545 U
PCBs, Total	0.1	1	1	1	3.2	<0.00346 U	<0.00413 U	<0.00437 U	<0.00392 U	<0.0033 U	<0.0124 U	<0.00467 U

NOTES:

All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)

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Red font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO

Yellow highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Commercial Use SCO

Bold Italic font indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Protection of Groundwater SCO

PCBs analyzed by USEPA Method 8082

NL indicates Not Listed

ND indicates None Detected

J indicates an estimated value

U indicates the analyte was not detected above laboratory MDLs

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Table 5
Phase II Environmental Site Assessment
100 Buckley Road, Liverpool, NY
Summary of Volatile Organic Compounds in Groundwater
LaBella Project #2201387

Sample ID	TOGS 1.1.1 Groundwater Quality Standards	SB-02, MW-01		SB-04, MW-02		SB-06, MW-03		SB-14, MW-04		SB-17, MW-05		SB-18, MW-06		SB-20, MW-07	
Screened Interval (ft bgs)		5.0-15.0		5.0-10.0		5.0-10.0		5.0-15.0		5.0-10.0		5.0-15.0		5.0-15.0	
Sample Date		4/21/2020		4/21/2020		4/21/2020		4/21/2020		4/21/2020		4/21/2020		4/21/2020	
Volatile Organic Compounds															
1,1,1-Trichloroethane	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
1,1,2,2-Tetrachloroethane	5	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U
1,1,2-Trichloroethane	1	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1-Dichloroethane	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
1,1-Dichloroethene	5	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U
1,2,4-Trichlorobenzene	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
1,2,4-Trimethylbenzene	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
1,2-Dibromo-3-chloropropane	0.04	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
1,2-Dibromoethane	0.0006	<0.65	U	<0.65	U	<0.65	U	<0.65	U	<0.65	U	<0.65	U	<0.65	U
1,2-Dichlorobenzene	3	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
1,2-Dichloroethane	0.6	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U
1,2-Dichloropropane	1	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
1,3,5-Trimethylbenzene	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
1,3-Dichlorobenzene	3	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
1,4-Dichlorobenzene	3	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
2-Butanone	50	<1.9	U	<1.9	U	<1.9	U	<1.9	U	<1.9	U	<1.9	U	2.5	J
2-Hexanone	50	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U
4-Methyl-2-pentanone	NL	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U
Acetone	50	2.8	J	8.8		<1.5	U	5.4		2.2	J	4.1	J	12	
Benzene	1	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
Bromodichloromethane	50	<0.19	U	<0.19	U	<0.19	U	<0.19	U	<0.19	U	<0.19	U	<0.19	U
Bromoform	50	<0.65	U	<0.65	U	<0.65	U	<0.65	U	<0.65	U	<0.65	U	<0.65	U
Bromomethane	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
Carbon disulfide	60	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U
Carbon tetrachloride	5	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U
Chlorobenzene	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
Chloroethane	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
Chloroform	7	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
Chloromethane	NL	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
cis-1,2-Dichloroethene	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
cis-1,3-Dichloropropene	0.4	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
Cyclohexane	NL	<0.27	U	<0.27	U	<0.27	U	<0.27	U	<0.27	U	<0.27	U	<0.27	U
Dibromochloromethane	50	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
Dichlorodifluoromethane	5	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U
Ethylbenzene	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
Freon-113	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
Isopropylbenzene	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
Methyl Acetate	NL	<0.23	U	<0.23	U	<0.23	U	1.1	J	<0.23	U	1	J	<0.23	U
Methyl cyclohexane	NL	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U
Methyl tert butyl ether	10	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
Methylene chloride	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
n-Butylbenzene	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
n-Propylbenzene	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
Naphthalene	10	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
o-Xylene	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
p-Isopropyltoluene	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
p/m-Xylene	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
sec-Butylbenzene	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
Styrene	930	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
tert-Butylbenzene	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
Tetrachloroethene	5	<0.18	U	<0.18	U	<0.18	U	<0.18	U	<0.18	U	<0.18	U	<0.18	U
Toluene	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
trans-1,2-Dichloroethene	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
trans-1,3-Dichloropropene	0.4	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
Trichloroethene	5	0.2	J	<0.18	U	<0.18	U	<0.18	U	<0.18	U	<0.18	U	<0.18	U
Trichlorofluoromethane	5	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U	<0.7	U
Vinyl chloride	2	<0.07	U	<0.07	U	0.08	J	<0.07	U	<0.07	U	<0.07	U	<0.07	U
Total VOCs	--	3	-	8.8	-	0.08	-	6.5	-	2.2	-	5.1	-	14.5	-

NOTES:

All values displayed in micrograms per liter (ug/L) or parts per billion (ppb)

"<" - Indicates compound was not detected above the indicated laboratory method detection limit (MDL).

Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard or Technical and Operational Guidance Series (TOGS 1.1.1) Guidance Value

VOCs analyzed by USEPA Method 8260

NL indicates Not Listed

J indicates an estimated value

U indicates the analyte was not detected above laboratory MDLs

LaBella
Powered by partnership.

Table 6
Phase II Environmental Site Assessment
100 Buckley Road, Liverpool, NY
Summary of Semi-volatile Organic Compounds in Groundwater
LaBella Project #2201387

Sample ID	TOGS 1.1.1 Groundwater Quality Standards	SB-02, MW-01		SB-04, MW-02		SB-06, MW-03		SB-14, MW-04		SB-17, MW-05		SB-18, MW-06		SB-20, MW-07	
Screened Interval (ft bgs)		5.0-15.0		5.0-10.0		5.0-10.0		5.0-15.0		5.0-10.0		5.0-15.0		5.0-15.0	
Sample Date		4/21/2020		4/21/2020		4/21/2020		4/21/2020		4/21/2020		4/21/2020		4/21/2020	
Semi-volatile Organic Compounds															
Acenaphthene	20	<0.01	U	<0.01	U	0.13		0.65		0.03	J	<0.01	U	0.19	
Acenaphthylene	NL	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	0.17	
Anthracene	50	<0.01	U	<0.01	U	0.16		<0.01	U	0.04	J	<0.01	U	0.56	
Benzo(a)anthracene	0.002	<0.02	U	0.02	J	0.4		0.12		0.1		<0.02	U	2	
Benzo(a)pyrene	0	<0.02	U	0.02	J	0.39		0.07	J	0.09	J	<0.02	U	1.9	
Benzo(b)fluoranthene	0.002	<0.01	U	0.03	J	0.62		0.07	J	0.15		0.02	J	2.4	
Benzo(ghi)perylene	NL	<0.01	U	0.02	J	0.27		0.04	J	0.07	J	<0.01	U	1.1	
Benzo(k)fluoranthene	0.002	<0.01	U	0.01	J	0.15		0.02	J	0.04	J	<0.01	U	0.8	
Chrysene	0.002	<0.01	U	0.01	J	0.43		0.14		0.1	J	<0.01	U	1.6	
Dibenzo(a,h)anthracene	NL	<0.01	U	<0.01	U	0.07	J	<0.01	U	<0.01	U	<0.01	U	0.27	
Fluoranthene	50	<0.02	U	0.03	J	0.9		0.17		0.18		<0.02	U	3.6	
Fluorene	50	<0.01	U	<0.01	U	0.16		0.57		0.03	J	<0.01	U	0.23	
Indeno(1,2,3-cd)pyrene	0.002	<0.01	U	0.02	J	0.31		0.03	J	0.08	J	<0.01	U	1.3	
Phenanthrene	50	<0.02	U	0.03	J	0.66		0.11		0.14		<0.02	U	2.2	
Pyrene	50	<0.02	U	0.03	J	0.73		0.33		0.16		<0.02	U	3	
Total SVOCs	50	-	-	0.22	-	5.38	-	2.32	-	1.21	-	0.02	-	21.32	-

NOTES:

All values displayed in micrograms per liter (ug/L) or parts per billion (ppb)

"<" - Indicates compound was not detected above the indicated laboratory method detection limit (MDL).

Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard or Technical and Operational Guidance Series (TOGS 1.1.1) Guidance Value

VOCs analyzed by USEPA Method 8260

NL indicates Not Listed

J indicates an estimated value

U indicates the analyte was not detected above laboratory MDLs

LaBella
Powered by partnership.

APPENDIX 1

Geophysical Report

NYLD Infrastructure

NEW YORK LEAK DETECTION, INC.
PO Box 269, Jamesville, NY 13078
315-469-4601 info@nyld.com

Field Report – Utility Location

Date(s) on site: 04-13-2020

Technician: Mike Bishop **Other Technicians on site:** Sonny Kentile

Customer: LaBella Associates

Site Address: 100 Buckley Road Syracuse, NY

Contact Person: Bill Sisco **Phone:** 315-243-8441

Scope of Work: Utility Location Services – Clear 11 boring locations (original scope was 20 locations). NOTE: The nine (9) located in the eastern wooded/brush portion we will not need surveyed.

Type of Service: *mark all that apply*

☐ *Leak Detection*	☐ *Comprehensive Leak Survey*	☐ *Pressurized Pipe Inspection*
☐ *Infrastructure Assessment*	☒ *Utility Location/GPR*	☐ *Utility Mapping/AutoCAD*
☐ *EM Survey*	☐ *Video Inspection*	☐ *Valve Exercising*

Type of Equipment Used: *mark all that apply*

☐ *Profiler EMP 400*	☒ *RD8000 Pipe & Cable Locator*	☐ *MetroTech vLocPro2*
☐ *LC2500 Leak Correlator*	☒ *Noggin 250 MHz*	☐ *PosiTector UTG G3*
☐ *S-30 Surveyor*	☐ *Noggin 500 MHz*	☐ *Video Inspection Camera*
☐ *Sonde / Locatable Rodder*	☐ *Conquest 1000 MHz*	☐ *Helium # Bottles*
☐ *Leica Robotic Total Station*	☐ *Leica RTK GPS*	☐ *JD7 Investigator*
☐ *Valve Maintenance Trailer*	☐ *Thermal Imaging Camera*	☐ *ZCorr Data Loggers*

Marking Used: *mark all that apply*

☒ *Paint*	☒ *Flags*	☐ *Chalk/Marker*
☐ *Tape*	☐ *Updated Onsite Mapping*	☐ *Other* _____

NYLD **Infrastructure**

NEW YORK LEAK DETECTION, INC.
PO Box 269, Jamesville, NY 13078
315-469-4601 info@nyld.com

Field Report – Utility Location

Site Access/Safety Training: N/A **Expiration Date:** N/A

Ground Cover/Weather Conditions: Asphalt, Concrete, & Soil. 50's & Rain.

Instructions from Onsite Contact: See Scope.

Information Transfer:

In addition to this field report, mark all that apply:

☒ *Information relayed on site to:*

Bill

☐ *Hand drawn sketch*

☐ *Maps updated onsite*

☐ *Photographs*

☐ *Surveyed by others*

☐ *Surveyed and AutoCAD Mapping by NYLD*

Notes/Testing Results:

A visual inspection was performed in the area of concern to assess for utility structures. Utilizing the RD8000 in conductive, inductive, and power/radio modes, located and marked out utilities as shown in the area below. Sonde/Locatable Rodder was used within applicable utilities. Additional confirmation performed with the Noggin using the 250 MHz antenna. GPR signal reception varies depending upon soil conditions. Therefore, it is utilized in combination with various other geophysical tools for the most accurate verification of known/unknown utilities and/or structures.

Utilities were painted in appropriate color and depths were provided where possible.

This report is back up to information relayed and marked on site at time of service. It is for informational purposes only.

NYLD Infrastructure

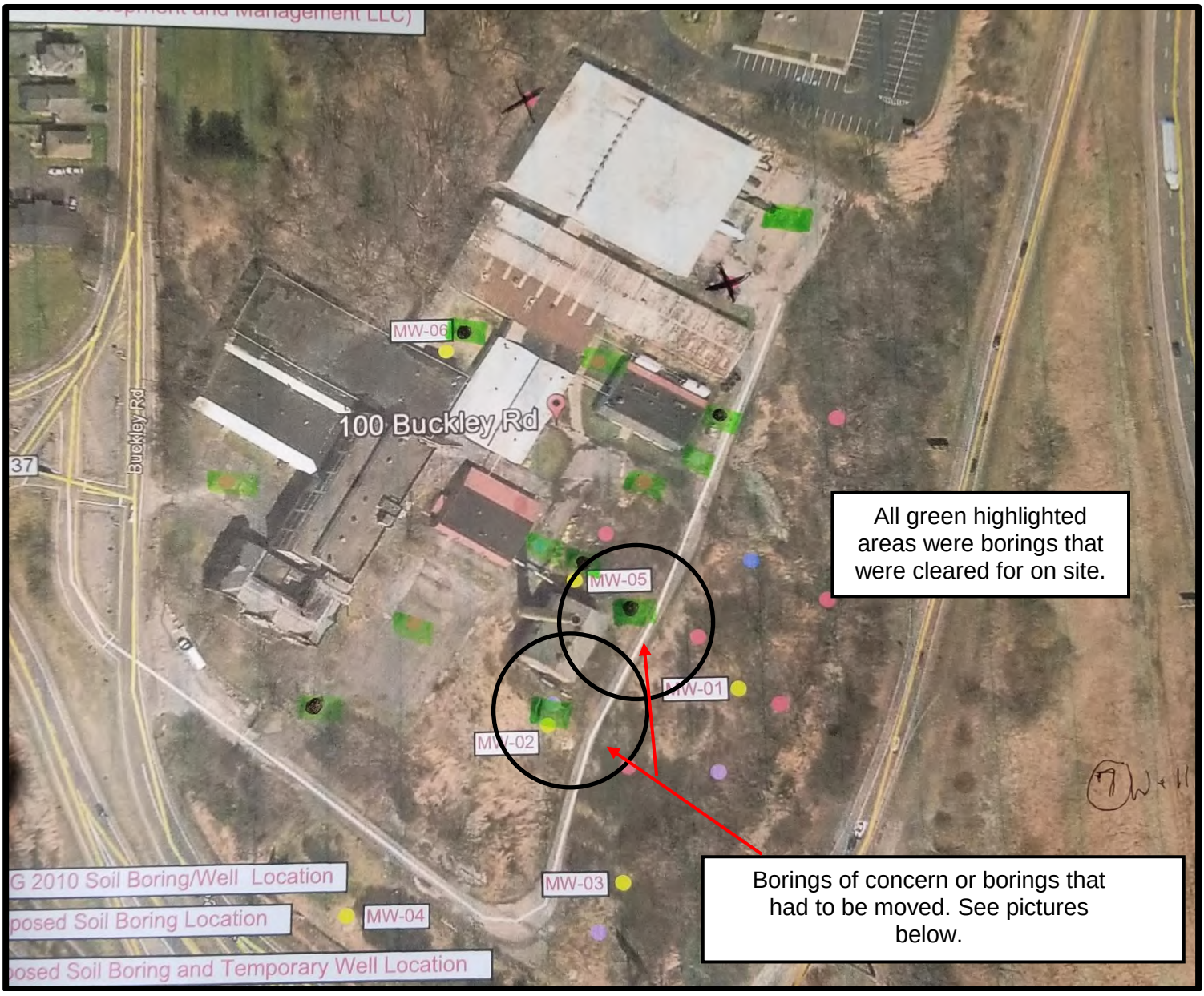
NEW YORK LEAK DETECTION, INC.
PO Box 269, Jamesville, NY 13078
315-469-4601 info@nyld.com

Field Report – Utility Location

NYLD **Infrastructure**

NEW YORK LEAK DETECTION, INC.
PO Box 269, Jamesville, NY 13078
315-469-4601 info@nyld.com

Field Report – Utility Location



Key

Blue	Water
Red	Power
Orange	Communications
Yellow	Gas/Flammable Fuel
White	Unknown
Green	Storm/Sanitary

NYLD **Infrastructure**

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Field Report – Utility Location

NYLD Infrastructure

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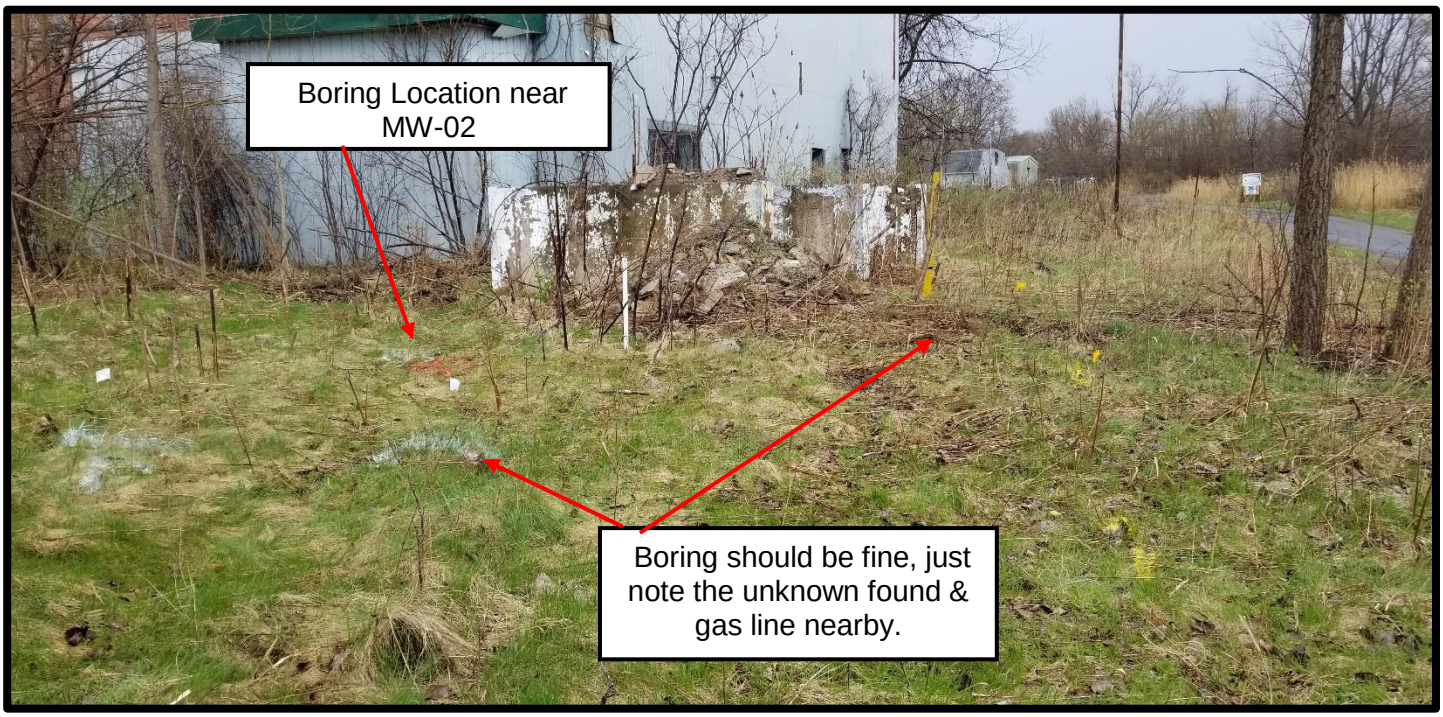
PO Box 269, Jamesville, NY 13078
315-469-4601 info@nyld.com

Field Report – Utility Location

Borings of concern or borings that had to be moved



NYLD Infrastructure

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315-469-4601 info@nyld.com

Field Report – Utility Location

Subsurface Limitations

Utility locating is the art and science of using non-intrusive methods to search for, find and mark out buried, unseen conduits or other objects. There are innumerable variables involved in locating underground utilities, such as topography, size and complexity of job site, depth and proximity of buried utilities, above ground obstructions, short turnaround schedules, changes in the scope of work, lack of (or outdated) blueprints and adverse weather conditions.

New York Leak Detection, Inc. (NYLD) has made a substantial financial investment in crossover technologies and training to meet our clients' needs when locating and mapping utilities. However, due to unpredictable factors that may affect the results, NYLD makes no guarantee, expressed or implied, with respect to the completeness or accuracy of the information provided. Any use or reliance on the information or opinion is at the risk of the user and NYLD shall not be liable for any damage or injury arising out of the use or misuse of the information provided.

NYLD strives to provide the highest quality utility location services possible with the technical expertise of our field specialists and state-of-the-art equipment used. Every effort is made to provide our clients with the most accurate information possible without adverse consequences.

NYLD makes no guarantee that all subsurface utilities and obstructions will be detected. GPR signal penetration might not be sufficient to detect all utilities. NYLD is not responsible for detecting subsurface utilities and obstructions that normally cannot be detected by the methods employed or that cannot be detected because of site conditions. NYLD is not responsible for maintaining mark-outs after leaving the work area. Mark-outs made in inclement weather and in high traffic areas may not last. Surveyor assumes responsibility of picking up data on site.

APPENDIX 2

Field Logs

LaBella
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300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 01
SHEET 01 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:		TIME:	9:00 TO 9:20
DRILLER:	A. Bement	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE:	E. Thierfelder	START DATE: 4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy
TYPE OF DRILL RIG:	Geoprobe 6610DT		DRIVE SAMPLER TYPE: Macrocore		
AUGER SIZE AND TYPE:	NA		INSIDE DIAMETER: 2"		
OVERBURDEN SAMPLING METHOD:	Direct Push		OTHER:		

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	24"		6"	Asphalt/gravel subbase	0	
			6"-1.3'	Light grey silt and clay		
1			1.3'-5'	Dark grey silt and clay, wet	0	
2					0	
3					0	
4					0	
5					0	
	25"		5'-5.1'	Dark grey silt and clay, saturated		
6			5.1'-8'	SAA, some organics- roots, dark brown to black in color	0	
7					0	
8			8'-10'	Dark brown dense clay, some silt, saturated	0	
9					0	
10					0	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
				10'	1.3'	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
	little = 10 - 20%	F = Fine	SR = Subrounded
	trace = 1 - 10%	VF = Very Fine	SA = Subangular

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 02, MW-01
SHEET 02 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:			TIME:	9:30 TO 9:40
DRILLER:	A. Bement	GROUND SURFACE ELEVATION		NA	DATUM:	NA
LABELLA REPRESENTATIVE:	E. Thierfelder	START DATE:	4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy
TYPE OF DRILL RIG:	Geoprobe 6610DT			DRIVE SAMPLER TYPE: Macrocore		
AUGER SIZE AND TYPE:	NA			INSIDE DIAMETER: 2"		
OVERBURDEN SAMPLING METHOD:	Direct Push			OTHER:		

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			6"	Asphalt/gravel subbase	0	
1	24"		6"-5'	Dark brown silt, trace MF gravel, moist	0	
2					0	
3					0.1	
4					0	Depth to water on 4/21/20- 3.7'
5					0	
6	36"		5'-7'	SAA	0	
7			7'-10'	Brown to yellow clay and silt, some organics- roots at 8', wet	0	
8					0	
9					0	
10					0	
11	48"		10'-15'	Brown to yellow silt and F sand, trace SA gravel, wet	0.1	
12					0	
13					0	
14					0	
15					0	
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Well installed to 15'. 10' screen, 5' riser *Turbid water not clearing up when sampling
				15'	6"	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 03
SHEET 03 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:		TIME:	9:45 TO 10:00
DRILLER:	A. Bement	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE:	E. Thierfelder	START DATE: 4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy
TYPE OF DRILL RIG:	Geoprobe 6610DT		DRIVE SAMPLER TYPE: Macrocore		
AUGER SIZE AND TYPE:	NA		INSIDE DIAMETER: 2"		
OVERBURDEN SAMPLING METHOD:	Direct Push		OTHER:		

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	18"		6"	Asphalt/gravel subbase	0	
1			6"-5'	Brown to red silt, some clay, trace SA gravel, moist	0	
2					0	
3					0	
4					0	
5					0	
6	39"	SB-03 (7.5'-10')	5'-6.5'	SAA	0	
7			6.5'-10'	Brown to red silt and clay, some F sand, saturated	0	
8					0	
9					0.1	
10					0.2	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
				10'	6"	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
	little = 10 - 20%	F = Fine	SR = Subrounded
	trace = 1 - 10%	VF = Very Fine	SA = Subangular

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300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 04, MW-02
SHEET 04 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:			TIME:	10:00 TO 10:15
DRILLER:	A. Bement	GROUND SURFACE ELEVATION		NA	DATUM:	NA
LABELLA REPRESENTATIVE: E. Thierfelder		START DATE:	4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy

TYPE OF DRILL RIG: Geoprobe 6610DT — DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA — INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push — OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	12"		6"	Asphalt, gravel subbase	0	
1			6"-5'	Dark brown silt and clay, some red and yellow brick and stone, moist	0	Depth to water on 4/21/20- 0.4'
2					0	
3					0	
4					0	
5					0	
6	6"		5'-10'	Grey to black silt and sand, some light grey crushed stone, saturated- sleeve full of water	0	
7					0	
8					0	
9					0	
10					0	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Well installed to 10'. 5' screen 5' riser
				10'	6"	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 05
SHEET 05 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:			TIME:	10:15 TO 10:30
DRILLER:	A. Bement	GROUND SURFACE ELEVATION		NA	DATUM:	NA
LABELLA REPRESENTATIVE: E. Thierfelder		START DATE:	4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy
TYPE OF DRILL RIG: Geoprobe 6610DT				DRIVE SAMPLER TYPE: Macrocore		
AUGER SIZE AND TYPE: NA				INSIDE DIAMETER: 2"		
OVERBURDEN SAMPLING METHOD: Direct Push				OTHER:		

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	38"		3"	Asphalt, gravel subbase	0	
			3"-2'	Black sand and silt, trace grey SA gravel, wet		
1			2'-2.5'	White unknown "sticky" material,	0	
			2.5'-5'	Black sand and silt, some gravel, wet, strong petroleum odor		
2		SB-05 (2.5'-5')			5.8	
3					24.2	
4					21.2	
5					66.6	
6	31"		5'-7'	SAA, wet, strong petroleum odor	1.1	Water appears to be foaming
					7.7	
7			7'-8'	Black sand and stone, trace yellow stone, wet		
8		SB-05 (8'-10')	8'-10'	Black silt, some grey stone, moist, petroleum odor	160.9	
9						
10						
11	29"		10'-12'	SAA, trace decaying wood	39.7	
			12'-15'	Grey dense clay and silt, light sheen, strong odor		
12					45.6	
13					0.1	
14					0	
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
				15'	2.5'	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
	little = 10 - 20%	F = Fine	SR = Subrounded
	trace = 1 - 10%	VF = Very Fine	SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 06, MW-03
SHEET 06 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:		TIME:	10:30 TO 10:45
DRILLER:	A. Bement	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE:	E. Thierfelder	START DATE: 4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy
TYPE OF DRILL RIG:	Geoprobe 6610DT		DRIVE SAMPLER TYPE: Macrocore		
AUGER SIZE AND TYPE:	NA		INSIDE DIAMETER: 2"		
OVERBURDEN SAMPLING METHOD:	Direct Push		OTHER:		

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			6"	Asphalt, gravel subbase	0	
	25"		6"-1'	Tan to yellow crushed stone		Depth to water on
1			1'-5'	Black crushed stone, some sand, trace tan to yellow stone, saturated at 2'	0	4/21/20- 1.6'
2					0	
3					0	
4					0	
5					0	
		SB-06 (5'-7.5')	5'-6'	Black crushed stone, some red brick and decaying wood		
6			6'-9'	Dark brown to grey dense clay and silt	2.6	
	19"					
7					0.1	
8					0	
9			9'-10'	SAA, decaying wood mixed in	0.1	
10					0.1	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Well installed to 10'. 5' screen 5' riser
				10'	2'	*Slight sheen on water, dark turbid water

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
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	little = 10 - 20%	F = Fine	SR = Subrounded
	trace = 1 - 10%	VF = Very Fine	SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 07
SHEET 07of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:		TIME:	10:45 TO 11:10
DRILLER:	A. Bement	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE: E. Thierfelder		START DATE: 4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy
TYPE OF DRILL RIG: Geoprobe 6610DT			DRIVE SAMPLER TYPE: Macrocore		
AUGER SIZE AND TYPE: NA			INSIDE DIAMETER: 2"		
OVERBURDEN SAMPLING METHOD: Direct Push			OTHER:		

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	25"		6"	Gravel	0	
1			6"-5'	Dark grey to black clay and silt, trace black gravel, saturated at 2'	0.1	
2					0.2	
3					0.1	
4					0.1	
5					0.1	
6	10"		6'-10'	SAA, trace larger red stone	0.1	
7					0	
8					0	
9					0	
10					0	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
				10'	2'	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
	little = 10 - 20%	F = Fine	SR = Subrounded
	trace = 1 - 10%	VF = Very Fine	SA = Subangular

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PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 08
SHEET 08 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:		TIME:	11:20 TO 11:35
DRILLER:	A. Bement	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE:	E. Thierfelder	START DATE: 4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy
TYPE OF DRILL RIG:	Geoprobe 6610DT		DRIVE SAMPLER TYPE: Macrocore		
AUGER SIZE AND TYPE:	NA		INSIDE DIAMETER: 2"		
OVERBURDEN SAMPLING METHOD:	Direct Push		OTHER:		

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			3"	Grass and soil	0	
1	30"		3"-3'	Brown to black silt and sand, some crushed gravel, wet at 2'	0	
2					0	
3			3'-3.3'	Tan to yellow stone	0	
4			3.3'-5'	Brown to grey silt and clay, trace SA gravel, wet	0	
5					0	
6	18"		5'-9'	Black SA gravel, trace red brick and stone, wet	0	
7					0	
8					0	
9			9'-10'	Brown to black clay and silt, trace decaying wood, trace F gravel	0	
10					0	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
				10'	2'	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
	little = 10 - 20%	F = Fine	SR = Subrounded
	trace = 1 - 10%	VF = Very Fine	SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 09
SHEET 09 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:		TIME:	11:40 TO 12:00
DRILLER:	A. Bement	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE: E. Thierfelder		START DATE: 4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy
TYPE OF DRILL RIG: Geoprobe 6610DT			DRIVE SAMPLER TYPE: Macrocore		
AUGER SIZE AND TYPE: NA			INSIDE DIAMETER: 2"		
OVERBURDEN SAMPLING METHOD: Direct Push			OTHER:		

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			3"	Grass, soil	0	
1	15"		3"-5'	Grey to black sand and silt, black crushed stone, trace brown to red F gravel saturated at 2.5'	0	
2					0	
3					0	
4					0	
5					0	
6	20"		5'-7'	SAA	0	
7			7'-10'	Grey clay and silt, dense, black streaks, trace F sand	0	
8					0	
9					0	
10					0	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

			DEPTH (FT)		NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
				10'	2.5'

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
	little = 10 - 20%	F = Fine	SR = Subrounded
	trace = 1 - 10%	VF = Very Fine	SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 10
SHEET 10 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:		TIME:	12:00 TO 12:30
DRILLER:	A. Bement	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE: E. Thierfelder		START DATE: 4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy
TYPE OF DRILL RIG: Geoprobe 6610DT			DRIVE SAMPLER TYPE: Macrocore		
AUGER SIZE AND TYPE: NA			INSIDE DIAMETER: 2"		
OVERBURDEN SAMPLING METHOD: Direct Push			OTHER:		

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	11"		6"	Crushed stone	0	
1			6"-5'	Brown to grey or green silt and sand, some SA gravel, moist	0	
2					0	
3					0	
4					0	
5					0	
6			5'-10'	No recovery- all water		
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
				10'	3'	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
	little = 10 - 20%	F = Fine	SR = Subrounded
	trace = 1 - 10%	VF = Very Fine	SA = Subangular

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PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 11
SHEET 11 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:		TIME:	12:30 TO 13:00
DRILLER:	A. Bement	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE:	E. Thierfelder	START DATE: 4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy

TYPE OF DRILL RIG: Geoprobe 6610DT — DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA — INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push — OTHER:

DEPTH (FEET BGS)	SAMPLE: SAMPLE RECOVERY (INCHES)	SAMPLE: SAMPLE NO. AND DEPTH	SAMPLE: STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	22"			Brown silt and sand, trace organic material- roots and grass, trace black SA gravel saturated at 6"	0	
1					0	
2					0	
3					0	
4					0	
5					0	
6				No recovery, all water		
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 12
SHEET 12 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:		TIME:	13:30 TO 13:45
DRILLER:	A. Bement	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE:	E. Thierfelder	START DATE: 4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy
TYPE OF DRILL RIG:	Geoprobe 6610DT		DRIVE SAMPLER TYPE: Macrocore		
AUGER SIZE AND TYPE:	NA		INSIDE DIAMETER: 2"		
OVERBURDEN SAMPLING METHOD:	Direct Push		OTHER:		

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	17"		6"	Crushed gravel	0	
1			6"-5'	Brown to grey silt and clay, trace SA gravel, wet at 5'	0	
2					0	
3					0	
4					0	
5					0	
6	6"		5'-10'	Brown silt and sand, some clay, some SA gravel, wet	0	
7					0	
8					0	
9					0	
10					0	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 13
SHEET 13 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:		TIME:	13:50 TO 14:15
DRILLER:	A. Bement	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE:	E. Thierfelder	START DATE: 4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy
TYPE OF DRILL RIG:	Geoprobe 6610DT		DRIVE SAMPLER TYPE: Macrocore		
AUGER SIZE AND TYPE:	NA		INSIDE DIAMETER: 2"		
OVERBURDEN SAMPLING METHOD:	Direct Push		OTHER:		

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			7"	Grass, soil	0	
	33"		7"-4'	Dark brown silt, some clay and sand, some grey gravel, moist		
1					0	
2					0	
3					0	
4			4'-5'	SAA, some yellow silt and clay, wet	0	
5					0	
			5'-6'	SAA		
6	28"		6'-8'	Dense brown to yellow clay and silt, trace SA gravel, wet	0	
7					0	
8			8'-10'	Brown to grey silt, some F sand, trace organics- roots and grass	0	
9					0	
10					0	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 14, MW-04
SHEET 14 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:		TIME:	14:15 TO 14:45
DRILLER:	A. Bement	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE:	E. Thierfelder	START DATE: 4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			6"	Grass, soil	0	
			6"-3'	Light brown to tan clay, trace SA gravel		
1	35"				0	Depth to water on 4/21/20- 1.7'
2					0	
3			3'-4.5'	Dark brown to black crushed stone, some silt and sand, moist	0	
4					3.1	
			4.5'-5'	Dense grey clay, moist		
5					10.5	
			5'-7.5'	SAA, saturated		
6	34"				0.5	
7		SB-14 (7.5'-10')	7.5'-9'	Brown grey clay with brown streaks, saturated	0.7	
8					0.4	
9			9'-10'	Dark brown to black clay, trace organics- roots, trace SA gravel, globs of apparent petro product, slight sheen, slight petroleum odor	0.6	
10					0	
			10'-12'	SAA, saturated		
11	60"				0.2	
12			12'-13'	Brown to red dense clay, black streaks	0.4	
13			13'-14'	Dense grey clay, wet	0.3	
14			14'-15'	Brown to yellow very dense clay, wet	0.4	
15					0.2	
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Well installed to 15'. 10' screen, 5' riser *Slight sheen on water, black globs while sampling
				15'	5'	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 15
SHEET 15 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:		TIME:	14:45 TO 15:10
DRILLER:	A. Bement	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE:	E. Thierfelder	START DATE: 4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy
TYPE OF DRILL RIG:	Geoprobe 6610DT		DRIVE SAMPLER TYPE: Macrocore		
AUGER SIZE AND TYPE:	NA		INSIDE DIAMETER: 2"		
OVERBURDEN SAMPLING METHOD:	Direct Push		OTHER:		

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			6"	Grass, soil	0	
1	31"		6"-3'	Brown to yellow silt, some SA gravel, some F sand, wet	0	
2					0	
3			3'-5'	SAA, dark brown	0	
4					0	
5					0	
6	14"		5'-10'	SAA, yellow streaks, saturated	0	
7					0	
8					0	
9					0	
10					0	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
				10'	1.5'	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
	little = 10 - 20%	F = Fine	SR = Subrounded
	trace = 1 - 10%	VF = Very Fine	SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 16
SHEET 16 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR: LaBella Env. LLC
DRILLER: A. Bement
LABELLA REPRESENTATIVE: E. Thierfelder
BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE: 4/20/20 END DATE: 04/20/2020
TIME: 15:10 TO 15:30
DATUM: NA
WEATHER: 50°Sunny, windy

TYPE OF DRILL RIG: Geoprobe 6610DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			6"	grass, soil	0	
1	16"		6"-5'	Grey to black crushed stone, some silt and sand, trace red and yellow stone, wet at 4'	0	
2					0	
3					0	
4					0	
5					0	
6	7"		5'-10'	SAA, saturated	0	
7					0	
8					0	
9					0	
10					0	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
				10'	4'	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 17, MW-05
SHEET 17of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:		TIME:	15:30 TO 15:45
DRILLER:	A. Bement	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE:	E. Thierfelder	START DATE: 4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy

TYPE OF DRILL RIG: Geoprobe 6610DT — DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA — INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push — OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			6"	Grass, soil	0	
	31"		6"-4'	Brown silt and sand, trace grey SA gravel		
1					0	Depth to water on 4/21/20- 1.5'
2					0	
3					0	
4			4'-5'	Brown dense clay, saturated	0	
5					0	
		SB-17 (5'-10')	5'-7'	SAA		
6	19"				0.4	
7			7'-10'	Brown silt and sand, trace organics- roots, wet	0	
8					0	
9					0	
10					0	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Well installed at 10'. 5' screen 5' riser
				10'	4'	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
	little = 10 - 20%	F = Fine	SR = Subrounded
	trace = 1 - 10%	VF = Very Fine	SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 18, MW-06
SHEET 18 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:		TIME:	15:45 TO 16:15
DRILLER:	A. Bement	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE:	E. Thierfelder	START DATE: 4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy
TYPE OF DRILL RIG:	Geoprobe 6610DT		DRIVE SAMPLER TYPE: Macrocore		
AUGER SIZE AND TYPE:	NA		INSIDE DIAMETER: 2"		
OVERBURDEN SAMPLING METHOD:	Direct Push		OTHER:		

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			3"	Grass, soil	0	
1	42"		3"-4'	Brown to red clay and silt, some F sand, some SA gravel, dry to moist	0	
2					0	
3					0	
4			4'-5'	SAA, wet	0	
5					0	
6	37"		5'-8'	SAA, wet	0	
7					0	Depth to water on 4/21/20- 7.2'
8			8'-9'	Grey clay and sail, some F sand	0	
9			9'-9.5'	Black silt and sand, trace SA gravel	0	
10			9.5'-10'	Light grey clay, some silt, trace red gravel, wet	0	
11	42"		10'-14'	SAA	0	
12		SB-18 (12.5'-18')			0	
13					0	
14			14'-15'	Dark brown to grey dense clay	4.5	
15					0.7	
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Well installed to 15'. 10' screen, 5' riser
				15'	4'	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
	little = 10 - 20%	F = Fine	SR = Subrounded
	trace = 1 - 10%	VF = Very Fine	SA = Subangular

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 19
SHEET 19 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:		TIME:	16:15 TO 16:40
DRILLER:	A. Bement	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE:	E. Thierfelder	START DATE: 4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy
TYPE OF DRILL RIG:	Geoprobe 6610DT		DRIVE SAMPLER TYPE: Macrocore		
AUGER SIZE AND TYPE:	NA		INSIDE DIAMETER: 2"		
OVERBURDEN SAMPLING METHOD:	Direct Push		OTHER:		

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			6"	Grass, soil	0	
1	34"		6"-5'	Brown to grey clay, trace yellow clay, some silt and F sand, trace SA gravel	0	
2				wet at 4'	0	
3					0	
4					0	
5					0	
6			5'-9'	SAA, saturated	0	
7					0	
8					0	
9			9'-10'	Darker grey to black silt and clay	0	
10					0	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
				10'	4'	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
	little = 10 - 20%	F = Fine	SR = Subrounded
	trace = 1 - 10%	VF = Very Fine	SA = Subangular

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300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 20, MW-07
SHEET 20 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:			TIME:	16:45 TO 17:10
DRILLER:	A. Bement	GROUND SURFACE ELEVATION		NA	DATUM:	NA
LABELLA REPRESENTATIVE:	E. Thierfelder	START DATE:	4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy
TYPE OF DRILL RIG:	Geoprobe 6610DT			DRIVE SAMPLER TYPE: Macrocore		
AUGER SIZE AND TYPE:	NA			INSIDE DIAMETER: 2"		
OVERBURDEN SAMPLING METHOD:	Direct Push			OTHER:		

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	8"		6"	Crushed stone	0	
1			6"-5'	Brown silt and sand, trace SA gravel	0	
2					0	
3					0	Depth to water on 4/21/20- 3.3'
4					0	
5					0	
6	6"		5'-10'	SAA, moist, trace yellow stone	0	
7					0	
8					0	
9					0	
10					0	
11	60"		10'-13'	Grey silt and clay, trace F gravel, saturated	0.2	
12					0	
13			13'-15'	Dense brown to grey clay with black and yellow streaks	0	
14					0	
15					0	
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Well installed to 15', 10' screen 5' riser *Turbid water when sampling wells
				15'	5'	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

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PROJECT
2201387
100 Buckley Road
Syracuse, NY 13088

BORING: SB - 21
SHEET 21 of 21
JOB:
CHKD BY:
DATE: 4/20/2020

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:		TIME:	17:15 TO 17:30
DRILLER:	A. Bement	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE:	E. Thierfelder	START DATE: 4/20/20	END DATE: 04/20/2020	WEATHER:	50°Sunny, windy
TYPE OF DRILL RIG:	Geoprobe 6610DT		DRIVE SAMPLER TYPE: Macrocore		
AUGER SIZE AND TYPE:	NA		INSIDE DIAMETER: 2"		
OVERBURDEN SAMPLING METHOD:	Direct Push		OTHER:		

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	6"			Brown silt and stong, trace yellow stone, saturated	0	
1					0	
2					0	
3					0	
4					0	
5					0	
6	6"		5'-10'	Dark brown to black silt and clay, trace red stone, trace organic material- roots, saturate	0.3	
7					0	
8					0	
9					0	
10					0	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
				10'	2'-5'	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface	and = 35 - 50%	C = Coarse	R = Rounded
NA = Not Applicable	some = 20 - 35%	M = Medium	A = Angular
	little = 10 - 20%	F = Fine	SR = Subrounded
	trace = 1 - 10%	VF = Very Fine	SA = Subangular

APPENDIX 3

Laboratory Report

ANALYTICAL REPORT

Lab Number:	L2016449
Client:	LaBella Associates 316 S. Clinton Street 2nd Floor Syracuse, NY 13202
ATTN:	William Sisco
Phone:	(315) 243-8441
Project Name:	100 BUCKLEY RD SYRACUSE
Project Number:	2201387
Report Date:	04/27/20

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387

Lab Number: L2016449
Report Date: 04/27/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2016449-01	SB-05 (8'-10')	SOIL	100 BUCKLEY RD SYRACUSE	04/20/20 10:00	04/20/20
L2016449-02	SB-03 (7.5'-10')	SOIL	100 BUCKLEY RD SYRACUSE	04/20/20 09:45	04/20/20
L2016449-03	SB-06 (5'-7.5')	SOIL	100 BUCKLEY RD SYRACUSE	04/20/20 10:40	04/20/20
L2016449-04	SB-14 (7.5'-10.0')	SOIL	100 BUCKLEY RD SYRACUSE	04/20/20 13:15	04/20/20
L2016449-05	SB-17 (5'-10')	SOIL	100 BUCKLEY RD SYRACUSE	04/20/20 14:45	04/20/20
L2016449-06	SB-18 (12.5-15')	SOIL	100 BUCKLEY RD SYRACUSE	04/20/20 15:00	04/20/20
L2016449-07	SB-05 (2.5'-5.0')	SOIL	100 BUCKLEY RD SYRACUSE	04/20/20 10:05	04/20/20
L2016449-08	TRIP BLANK	WATER	100 BUCKLEY RD SYRACUSE	04/20/20 00:00	04/20/20

Project Name:	100 BUCKLEY RD SYRACUSE	**Lab Number:**	L2016449
Project Number:	2201387	**Report Date:**	04/27/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	100 BUCKLEY RD SYRACUSE	**Lab Number:**	L2016449
Project Number:	2201387	**Report Date:**	04/27/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2016449-08: A sample identified as "TRIP BLANK" was received, but not listed on the Chain of Custody. This sample was not analyzed.

Volatile Organics

L2016449-01: The internal standard (IS) response(s) for chlorobenzene-d5 (40%) and 1,4-dichlorobenzene-d4 (22%) and the surrogate recovery for 4-bromofluorobenzene (151%) were outside the acceptance criteria; however, re-analysis achieved similar results: 1,4-dichlorobenzene-d4 (28%) and 4-bromofluorobenzene (153%). The results of both analyses are reported.

L2016449-07: The internal standard (IS) response(s) for chlorobenzene-d5 (47%) and 1,4-dichlorobenzene-d4 (30%) and the surrogate recovery for 4-bromofluorobenzene (136%) were outside the acceptance criteria; however, re-analysis achieved similar results: 1,4-dichlorobenzene-d4 (37%) and 4-bromofluorobenzene (150%). The results of both analyses are reported.

Semivolatile Organics

L2016449-03: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2016449-03 and -07: The surrogate recoveries are below the acceptance criteria for nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%) and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L2016449-07: The sample has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the non-target compounds present in the sample.

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449
Project Number: 2201387 **Report Date:** 04/27/20

Case Narrative (continued)

PCBs

L2016449-05: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

Total Metals

The WG1363084-3 MS recoveries, performed on L2016449-01, are outside the acceptance criteria for barium (58%) and lead (0%). A post digestion spike was performed and was within acceptance criteria.

The WG1363084-4 Laboratory Duplicate RPDs for arsenic (43%), barium (41%), chromium (64%) and lead (71%), performed on L2016449-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/27/20

ORGANICS

VOLATILES

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-01
Client ID: SB-05 (8'-10')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 10:00
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/23/20 09:33
Analyst: JC
Percent Solids: 66%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.5	3.9	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.25	1
Chloroform	ND		ug/kg	2.6	0.24	1
Carbon tetrachloride	ND		ug/kg	1.7	0.39	1
1,2-Dichloropropane	ND		ug/kg	1.7	0.21	1
Dibromochloromethane	ND		ug/kg	1.7	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.45	1
Tetrachloroethene	ND		ug/kg	0.85	0.33	1
Chlorobenzene	ND		ug/kg	0.85	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.8	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.44	1
1,1,1-Trichloroethane	ND		ug/kg	0.85	0.28	1
Bromodichloromethane	ND		ug/kg	0.85	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.46	1
cis-1,3-Dichloropropene	ND		ug/kg	0.85	0.27	1
Bromoform	ND		ug/kg	6.8	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.85	0.28	1
Benzene	12		ug/kg	0.85	0.28	1
Toluene	2.5		ug/kg	1.7	0.92	1
Ethylbenzene	2.3		ug/kg	1.7	0.24	1
Chloromethane	ND		ug/kg	6.8	1.6	1
Bromomethane	ND		ug/kg	3.4	0.99	1
Vinyl chloride	ND		ug/kg	1.7	0.57	1
Chloroethane	ND		ug/kg	3.4	0.77	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.23	1
Trichloroethene	ND		ug/kg	0.85	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	3.4	0.24	1

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-01 Date Collected: 04/20/20 10:00

Client ID: SB-05 (8'-10') Date Received: 04/20/20

Sample Location: 100 BUCKLEY RD SYRACUSE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	3.4	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	3.4	0.29	1
Methyl tert butyl ether	ND		ug/kg	3.4	0.34	1
p/m-Xylene	1.8	J	ug/kg	3.4	0.95	1
o-Xylene	1.9		ug/kg	1.7	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.30	1
Styrene	ND		ug/kg	1.7	0.33	1
Dichlorodifluoromethane	ND		ug/kg	17	1.6	1
Acetone	260		ug/kg	17	8.2	1
Carbon disulfide	26		ug/kg	17	7.7	1
2-Butanone	55		ug/kg	17	3.8	1
4-Methyl-2-pentanone	16	J	ug/kg	17	2.2	1
2-Hexanone	ND		ug/kg	17	2.0	1
1,2-Dibromoethane	ND		ug/kg	1.7	0.47	1
n-Butylbenzene	8.4		ug/kg	1.7	0.28	1
sec-Butylbenzene	ND		ug/kg	1.7	0.25	1
tert-Butylbenzene	ND		ug/kg	3.4	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	1.7	1
Isopropylbenzene	0.23	J	ug/kg	1.7	0.18	1
p-Isopropyltoluene	40		ug/kg	1.7	0.18	1
Naphthalene	28		ug/kg	6.8	1.1	1
n-Propylbenzene	3.4		ug/kg	1.7	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.4	0.46	1
1,3,5-Trimethylbenzene	0.54	J	ug/kg	3.4	0.33	1
1,2,4-Trimethylbenzene	2.4	J	ug/kg	3.4	0.57	1
Methyl Acetate	ND		ug/kg	6.8	1.6	1
Cyclohexane	ND		ug/kg	17	0.92	1
Freon-113	ND		ug/kg	6.8	1.2	1
Methyl cyclohexane	1.1	J	ug/kg	6.8	1.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	117		70-130
4-Bromofluorobenzene	**151**	Q	70-130
Dibromofluoromethane	102		70-130

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-01 R
Client ID: SB-05 (8'-10')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 10:00
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/24/20 09:40
Analyst: JC
Percent Solids: 66%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.2	3.8	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.24	1
Chloroform	ND		ug/kg	2.4	0.23	1
Carbon tetrachloride	ND		ug/kg	1.6	0.38	1
1,2-Dichloropropane	ND		ug/kg	1.6	0.20	1
Dibromochloromethane	ND		ug/kg	1.6	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.44	1
Tetrachloroethene	ND		ug/kg	0.82	0.32	1
Chlorobenzene	ND		ug/kg	0.82	0.21	1
Trichlorofluoromethane	ND		ug/kg	6.6	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.42	1
1,1,1-Trichloroethane	ND		ug/kg	0.82	0.27	1
Bromodichloromethane	ND		ug/kg	0.82	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.45	1
cis-1,3-Dichloropropene	ND		ug/kg	0.82	0.26	1
Bromoform	ND		ug/kg	6.6	0.40	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.82	0.27	1
Benzene	11		ug/kg	0.82	0.27	1
Toluene	2.2		ug/kg	1.6	0.89	1
Ethylbenzene	1.6		ug/kg	1.6	0.23	1
Chloromethane	ND		ug/kg	6.6	1.5	1
Bromomethane	ND		ug/kg	3.3	0.95	1
Vinyl chloride	ND		ug/kg	1.6	0.55	1
Chloroethane	ND		ug/kg	3.3	0.74	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.39	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.22	1
Trichloroethene	ND		ug/kg	0.82	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	3.3	0.24	1

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-01 R Date Collected: 04/20/20 10:00

Client ID: SB-05 (8'-10') Date Received: 04/20/20

Sample Location: 100 BUCKLEY RD SYRACUSE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	3.3	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	3.3	0.28	1
Methyl tert butyl ether	ND		ug/kg	3.3	0.33	1
p/m-Xylene	1.4	J	ug/kg	3.3	0.92	1
o-Xylene	1.5	J	ug/kg	1.6	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.29	1
Styrene	ND		ug/kg	1.6	0.32	1
Dichlorodifluoromethane	ND		ug/kg	16	1.5	1
Acetone	240		ug/kg	16	7.9	1
Carbon disulfide	34		ug/kg	16	7.4	1
2-Butanone	58		ug/kg	16	3.6	1
4-Methyl-2-pentanone	14	J	ug/kg	16	2.1	1
2-Hexanone	ND		ug/kg	16	1.9	1
1,2-Dibromoethane	ND		ug/kg	1.6	0.46	1
n-Butylbenzene	5.1		ug/kg	1.6	0.27	1
sec-Butylbenzene	ND		ug/kg	1.6	0.24	1
tert-Butylbenzene	ND		ug/kg	3.3	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	1.6	1
Isopropylbenzene	ND		ug/kg	1.6	0.18	1
p-Isopropyltoluene	32		ug/kg	1.6	0.18	1
Naphthalene	23		ug/kg	6.6	1.1	1
n-Propylbenzene	2.2		ug/kg	1.6	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.3	0.44	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.3	0.32	1
1,2,4-Trimethylbenzene	1.6	J	ug/kg	3.3	0.55	1
Methyl Acetate	ND		ug/kg	6.6	1.6	1
Cyclohexane	ND		ug/kg	16	0.89	1
Freon-113	ND		ug/kg	6.6	1.1	1
Methyl cyclohexane	ND		ug/kg	6.6	0.99	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	**153**	Q	70-130
Dibromofluoromethane	105		70-130

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-02
Client ID: SB-03 (7.5'-10')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 09:45
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/23/20 09:59
Analyst: JC
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	0.66	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.21	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-02 Date Collected: 04/20/20 09:45

Client ID: SB-03 (7.5'-10') Date Received: 04/20/20

Sample Location: 100 BUCKLEY RD SYRACUSE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	5.6	J	ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
Methyl Acetate	ND		ug/kg	4.4	1.0	1
Cyclohexane	ND		ug/kg	11	0.60	1
Freon-113	ND		ug/kg	4.4	0.76	1
Methyl cyclohexane	ND		ug/kg	4.4	0.66	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	93		70-130

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-03
Client ID: SB-06 (5'-7.5')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 10:40
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/24/20 10:05
Analyst: JC
Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	2.9		ug/kg	0.55	0.18	1
Toluene	0.99	J	ug/kg	1.1	0.60	1
Ethylbenzene	1.0	J	ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-03 Date Collected: 04/20/20 10:40

Client ID: SB-06 (5'-7.5') Date Received: 04/20/20

Sample Location: 100 BUCKLEY RD SYRACUSE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	0.67	J	ug/kg	2.2	0.62	1
o-Xylene	0.58	J	ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	50		ug/kg	11	5.3	1
Carbon disulfide	5.7	J	ug/kg	11	5.0	1
2-Butanone	8.2	J	ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
n-Butylbenzene	8.2		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	2.1		ug/kg	1.1	0.12	1
Naphthalene	6.3		ug/kg	4.4	0.72	1
n-Propylbenzene	3.0		ug/kg	1.1	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	0.75	J	ug/kg	2.2	0.37	1
Methyl Acetate	ND		ug/kg	4.4	1.0	1
Cyclohexane	ND		ug/kg	11	0.60	1
Freon-113	ND		ug/kg	4.4	0.77	1
Methyl cyclohexane	ND		ug/kg	4.4	0.67	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	98		70-130

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-04
Client ID: SB-14 (7.5'-10.0')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 13:15
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/23/20 10:25
Analyst: JC
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.98	0.53	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	3.9	0.92	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.98	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.13	1
Trichloroethene	ND		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-04 Date Collected: 04/20/20 13:15

Client ID: SB-14 (7.5'-10.0') Date Received: 04/20/20

Sample Location: 100 BUCKLEY RD SYRACUSE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.98	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.17	1
Styrene	ND		ug/kg	0.98	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.90	1
Acetone	64		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.5	1
2-Butanone	12		ug/kg	9.8	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	1.2	1
2-Hexanone	ND		ug/kg	9.8	1.2	1
1,2-Dibromoethane	ND		ug/kg	0.98	0.27	1
n-Butylbenzene	ND		ug/kg	0.98	0.16	1
sec-Butylbenzene	ND		ug/kg	0.98	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.98	1
Isopropylbenzene	ND		ug/kg	0.98	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.11	1
Naphthalene	ND		ug/kg	3.9	0.64	1
n-Propylbenzene	ND		ug/kg	0.98	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
Methyl Acetate	ND		ug/kg	3.9	0.93	1
Cyclohexane	ND		ug/kg	9.8	0.53	1
Freon-113	ND		ug/kg	3.9	0.68	1
Methyl cyclohexane	ND		ug/kg	3.9	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	94		70-130

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-05
Client ID: SB-17 (5'-10')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 14:45
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/23/20 10:51
Analyst: JC
Percent Solids: 62%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.8	4.0	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.25	1
Chloroform	ND		ug/kg	2.6	0.24	1
Carbon tetrachloride	ND		ug/kg	1.8	0.40	1
1,2-Dichloropropane	ND		ug/kg	1.8	0.22	1
Dibromochloromethane	ND		ug/kg	1.8	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.47	1
Tetrachloroethene	ND		ug/kg	0.88	0.34	1
Chlorobenzene	ND		ug/kg	0.88	0.22	1
Trichlorofluoromethane	ND		ug/kg	7.0	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.45	1
1,1,1-Trichloroethane	ND		ug/kg	0.88	0.29	1
Bromodichloromethane	ND		ug/kg	0.88	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.48	1
cis-1,3-Dichloropropene	ND		ug/kg	0.88	0.28	1
Bromoform	ND		ug/kg	7.0	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.88	0.29	1
Benzene	ND		ug/kg	0.88	0.29	1
Toluene	ND		ug/kg	1.8	0.95	1
Ethylbenzene	ND		ug/kg	1.8	0.25	1
Chloromethane	ND		ug/kg	7.0	1.6	1
Bromomethane	ND		ug/kg	3.5	1.0	1
Vinyl chloride	ND		ug/kg	1.8	0.59	1
Chloroethane	ND		ug/kg	3.5	0.79	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.24	1
Trichloroethene	ND		ug/kg	0.88	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	3.5	0.25	1

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-05 Date Collected: 04/20/20 14:45

Client ID: SB-17 (5'-10') Date Received: 04/20/20

Sample Location: 100 BUCKLEY RD SYRACUSE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	3.5	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	3.5	0.30	1
Methyl tert butyl ether	ND		ug/kg	3.5	0.35	1
p/m-Xylene	ND		ug/kg	3.5	0.98	1
o-Xylene	ND		ug/kg	1.8	0.51	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.31	1
Styrene	ND		ug/kg	1.8	0.34	1
Dichlorodifluoromethane	ND		ug/kg	18	1.6	1
Acetone	74		ug/kg	18	8.4	1
Carbon disulfide	ND		ug/kg	18	8.0	1
2-Butanone	8.4	J	ug/kg	18	3.9	1
4-Methyl-2-pentanone	ND		ug/kg	18	2.2	1
2-Hexanone	ND		ug/kg	18	2.1	1
1,2-Dibromoethane	ND		ug/kg	1.8	0.49	1
n-Butylbenzene	ND		ug/kg	1.8	0.29	1
sec-Butylbenzene	ND		ug/kg	1.8	0.26	1
tert-Butylbenzene	ND		ug/kg	3.5	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	1.7	1
Isopropylbenzene	ND		ug/kg	1.8	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.19	1
Naphthalene	ND		ug/kg	7.0	1.1	1
n-Propylbenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.5	0.48	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.5	0.34	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.5	0.58	1
Methyl Acetate	ND		ug/kg	7.0	1.7	1
Cyclohexane	ND		ug/kg	18	0.95	1
Freon-113	ND		ug/kg	7.0	1.2	1
Methyl cyclohexane	ND		ug/kg	7.0	1.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	95		70-130

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-06 Date Collected: 04/20/20 15:00

Client ID: SB-18 (12.5-15') Date Received: 04/20/20

Sample Location: 100 BUCKLEY RD SYRACUSE Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/23/20 11:17

Analyst: JC

Percent Solids: 61%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	11	5.2	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.33	1
Chloroform	ND		ug/kg	3.4	0.32	1
Carbon tetrachloride	ND		ug/kg	2.3	0.52	1
1,2-Dichloropropane	ND		ug/kg	2.3	0.28	1
Dibromochloromethane	ND		ug/kg	2.3	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.60	1
Tetrachloroethene	ND		ug/kg	1.1	0.44	1
Chlorobenzene	ND		ug/kg	1.1	0.29	1
Trichlorofluoromethane	ND		ug/kg	9.0	1.6	1
1,2-Dichloroethane	ND		ug/kg	2.3	0.58	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.38	1
Bromodichloromethane	ND		ug/kg	1.1	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	2.3	0.62	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.36	1
Bromoform	ND		ug/kg	9.0	0.56	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.38	1
Benzene	ND		ug/kg	1.1	0.38	1
Toluene	ND		ug/kg	2.3	1.2	1
Ethylbenzene	ND		ug/kg	2.3	0.32	1
Chloromethane	ND		ug/kg	9.0	2.1	1
Bromomethane	ND		ug/kg	4.5	1.3	1
Vinyl chloride	ND		ug/kg	2.3	0.76	1
Chloroethane	ND		ug/kg	4.5	1.0	1
1,1-Dichloroethene	ND		ug/kg	2.3	0.54	1
trans-1,2-Dichloroethene	ND		ug/kg	3.4	0.31	1
Trichloroethene	ND		ug/kg	1.1	0.31	1
1,2-Dichlorobenzene	ND		ug/kg	4.5	0.32	1

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-06 Date Collected: 04/20/20 15:00

Client ID: SB-18 (12.5-15') Date Received: 04/20/20

Sample Location: 100 BUCKLEY RD SYRACUSE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.5	0.33	1
1,4-Dichlorobenzene	ND		ug/kg	4.5	0.39	1
Methyl tert butyl ether	ND		ug/kg	4.5	0.45	1
p/m-Xylene	ND		ug/kg	4.5	1.3	1
o-Xylene	ND		ug/kg	2.3	0.66	1
cis-1,2-Dichloroethene	ND		ug/kg	2.3	0.40	1
Styrene	ND		ug/kg	2.3	0.44	1
Dichlorodifluoromethane	ND		ug/kg	23	2.1	1
Acetone	33		ug/kg	23	11.	1
Carbon disulfide	ND		ug/kg	23	10.	1
2-Butanone	ND		ug/kg	23	5.0	1
4-Methyl-2-pentanone	ND		ug/kg	23	2.9	1
2-Hexanone	ND		ug/kg	23	2.7	1
1,2-Dibromoethane	ND		ug/kg	2.3	0.63	1
n-Butylbenzene	ND		ug/kg	2.3	0.38	1
sec-Butylbenzene	ND		ug/kg	2.3	0.33	1
tert-Butylbenzene	ND		ug/kg	4.5	0.27	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.8	2.2	1
Isopropylbenzene	ND		ug/kg	2.3	0.25	1
p-Isopropyltoluene	ND		ug/kg	2.3	0.25	1
Naphthalene	ND		ug/kg	9.0	1.5	1
n-Propylbenzene	ND		ug/kg	2.3	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.5	0.62	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.5	0.44	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.5	0.76	1
Methyl Acetate	ND		ug/kg	9.0	2.1	1
Cyclohexane	ND		ug/kg	23	1.2	1
Freon-113	ND		ug/kg	9.0	1.6	1
Methyl cyclohexane	ND		ug/kg	9.0	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-07
Client ID: SB-05 (2.5'-5.0')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 10:05
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/23/20 11:43
Analyst: JC
Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	9.1	4.2	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.26	1
Chloroform	ND		ug/kg	2.7	0.25	1
Carbon tetrachloride	ND		ug/kg	1.8	0.42	1
1,2-Dichloropropane	ND		ug/kg	1.8	0.23	1
Dibromochloromethane	ND		ug/kg	1.8	0.25	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.48	1
Tetrachloroethene	ND		ug/kg	0.91	0.36	1
Chlorobenzene	ND		ug/kg	0.91	0.23	1
Trichlorofluoromethane	ND		ug/kg	7.3	1.3	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.47	1
1,1,1-Trichloroethane	ND		ug/kg	0.91	0.30	1
Bromodichloromethane	ND		ug/kg	0.91	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.50	1
cis-1,3-Dichloropropene	ND		ug/kg	0.91	0.29	1
Bromoform	ND		ug/kg	7.3	0.45	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.91	0.30	1
Benzene	2.8		ug/kg	0.91	0.30	1
Toluene	ND		ug/kg	1.8	0.99	1
Ethylbenzene	0.37	J	ug/kg	1.8	0.26	1
Chloromethane	ND		ug/kg	7.3	1.7	1
Bromomethane	ND		ug/kg	3.6	1.0	1
Vinyl chloride	ND		ug/kg	1.8	0.61	1
Chloroethane	ND		ug/kg	3.6	0.82	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.43	1
trans-1,2-Dichloroethene	ND		ug/kg	2.7	0.25	1
Trichloroethene	ND		ug/kg	0.91	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	3.6	0.26	1

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-07 Date Collected: 04/20/20 10:05

Client ID: SB-05 (2.5'-5.0') Date Received: 04/20/20

Sample Location: 100 BUCKLEY RD SYRACUSE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	3.6	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	3.6	0.31	1
Methyl tert butyl ether	ND		ug/kg	3.6	0.36	1
p/m-Xylene	ND		ug/kg	3.6	1.0	1
o-Xylene	ND		ug/kg	1.8	0.53	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.32	1
Styrene	ND		ug/kg	1.8	0.36	1
Dichlorodifluoromethane	ND		ug/kg	18	1.7	1
Acetone	120		ug/kg	18	8.7	1
Carbon disulfide	8.8	J	ug/kg	18	8.3	1
2-Butanone	19		ug/kg	18	4.0	1
4-Methyl-2-pentanone	ND		ug/kg	18	2.3	1
2-Hexanone	ND		ug/kg	18	2.1	1
1,2-Dibromoethane	ND		ug/kg	1.8	0.51	1
n-Butylbenzene	1.3	J	ug/kg	1.8	0.30	1
sec-Butylbenzene	ND		ug/kg	1.8	0.26	1
tert-Butylbenzene	ND		ug/kg	3.6	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	1.8	1
Isopropylbenzene	ND		ug/kg	1.8	0.20	1
p-Isopropyltoluene	34		ug/kg	1.8	0.20	1
Naphthalene	22		ug/kg	7.3	1.2	1
n-Propylbenzene	0.50	J	ug/kg	1.8	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.6	0.49	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.6	0.35	1
1,2,4-Trimethylbenzene	1.1	J	ug/kg	3.6	0.61	1
Methyl Acetate	ND		ug/kg	7.3	1.7	1
Cyclohexane	ND		ug/kg	18	0.99	1
Freon-113	ND		ug/kg	7.3	1.2	1
Methyl cyclohexane	ND		ug/kg	7.3	1.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	114		70-130
4-Bromofluorobenzene	**136**	Q	70-130
Dibromofluoromethane	102		70-130

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-07 R
Client ID: SB-05 (2.5'-5.0')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 10:05
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/24/20 10:30
Analyst: JC
Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	9.4	4.3	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.27	1
Chloroform	ND		ug/kg	2.8	0.26	1
Carbon tetrachloride	ND		ug/kg	1.9	0.43	1
1,2-Dichloropropane	ND		ug/kg	1.9	0.24	1
Dibromochloromethane	ND		ug/kg	1.9	0.26	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.50	1
Tetrachloroethene	ND		ug/kg	0.94	0.37	1
Chlorobenzene	ND		ug/kg	0.94	0.24	1
Trichlorofluoromethane	ND		ug/kg	7.6	1.3	1
1,2-Dichloroethane	ND		ug/kg	1.9	0.48	1
1,1,1-Trichloroethane	ND		ug/kg	0.94	0.32	1
Bromodichloromethane	ND		ug/kg	0.94	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.9	0.52	1
cis-1,3-Dichloropropene	ND		ug/kg	0.94	0.30	1
Bromoform	ND		ug/kg	7.6	0.46	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.94	0.31	1
Benzene	3.0		ug/kg	0.94	0.31	1
Toluene	ND		ug/kg	1.9	1.0	1
Ethylbenzene	0.41	J	ug/kg	1.9	0.27	1
Chloromethane	ND		ug/kg	7.6	1.8	1
Bromomethane	ND		ug/kg	3.8	1.1	1
Vinyl chloride	ND		ug/kg	1.9	0.63	1
Chloroethane	ND		ug/kg	3.8	0.85	1
1,1-Dichloroethene	ND		ug/kg	1.9	0.45	1
trans-1,2-Dichloroethene	ND		ug/kg	2.8	0.26	1
Trichloroethene	ND		ug/kg	0.94	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	3.8	0.27	1

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-07 R Date Collected: 04/20/20 10:05

Client ID: SB-05 (2.5'-5.0') Date Received: 04/20/20

Sample Location: 100 BUCKLEY RD SYRACUSE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	3.8	0.28	1
1,4-Dichlorobenzene	ND		ug/kg	3.8	0.32	1
Methyl tert butyl ether	ND		ug/kg	3.8	0.38	1
p/m-Xylene	ND		ug/kg	3.8	1.0	1
o-Xylene	ND		ug/kg	1.9	0.55	1
cis-1,2-Dichloroethene	ND		ug/kg	1.9	0.33	1
Styrene	ND		ug/kg	1.9	0.37	1
Dichlorodifluoromethane	ND		ug/kg	19	1.7	1
Acetone	110		ug/kg	19	9.1	1
Carbon disulfide	12	J	ug/kg	19	8.6	1
2-Butanone	21		ug/kg	19	4.2	1
4-Methyl-2-pentanone	ND		ug/kg	19	2.4	1
2-Hexanone	ND		ug/kg	19	2.2	1
1,2-Dibromoethane	ND		ug/kg	1.9	0.53	1
n-Butylbenzene	1.5	J	ug/kg	1.9	0.32	1
sec-Butylbenzene	ND		ug/kg	1.9	0.28	1
tert-Butylbenzene	ND		ug/kg	3.8	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	1.9	1
Isopropylbenzene	ND		ug/kg	1.9	0.21	1
p-Isopropyltoluene	46		ug/kg	1.9	0.21	1
Naphthalene	27		ug/kg	7.6	1.2	1
n-Propylbenzene	0.45	J	ug/kg	1.9	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.8	0.51	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.8	0.36	1
1,2,4-Trimethylbenzene	1.3	J	ug/kg	3.8	0.63	1
Methyl Acetate	ND		ug/kg	7.6	1.8	1
Cyclohexane	ND		ug/kg	19	1.0	1
Freon-113	ND		ug/kg	7.6	1.3	1
Methyl cyclohexane	ND		ug/kg	7.6	1.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	**150**	Q	70-130
Dibromofluoromethane	101		70-130

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/23/20 07:24
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04-07 Batch: WG1363738-10					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/23/20 07:24
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04-07 Batch: WG1363738-10					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/23/20 07:24
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04-07 Batch: WG1363738-10					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	91		70-130

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016449
Report Date: 04/27/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/24/20 08:24
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,07 Batch: WG1364233-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.18	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/24/20 08:24
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,07 Batch: WG1364233-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.32	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/24/20 08:24
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,07 Batch: WG1364233-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387

Lab Number: L2016449
Report Date: 04/27/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04-07 Batch: WG1363738-8 WG1363738-9								
Methylene chloride	96		90		70-130	6		30
1,1-Dichloroethane	104		99		70-130	5		30
Chloroform	93		89		70-130	4		30
Carbon tetrachloride	93		89		70-130	4		30
1,2-Dichloropropane	101		98		70-130	3		30
Dibromochloromethane	96		90		70-130	6		30
1,1,2-Trichloroethane	97		92		70-130	5		30
Tetrachloroethene	102		98		70-130	4		30
Chlorobenzene	94		92		70-130	2		30
Trichlorofluoromethane	78		73		70-139	7		30
1,2-Dichloroethane	98		92		70-130	6		30
1,1,1-Trichloroethane	93		90		70-130	3		30
Bromodichloromethane	88		85		70-130	3		30
trans-1,3-Dichloropropene	104		99		70-130	5		30
cis-1,3-Dichloropropene	94		90		70-130	4		30
Bromoform	100		93		70-130	7		30
1,1,2,2-Tetrachloroethane	88		82		70-130	7		30
Benzene	90		86		70-130	5		30
Toluene	94		90		70-130	4		30
Ethylbenzene	93		92		70-130	1		30
Chloromethane	117		107		52-130	9		30
Bromomethane	66		61		57-147	8		30
Vinyl chloride	96		88		67-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387

Lab Number: L2016449
Report Date: 04/27/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04-07 Batch: WG1363738-8 WG1363738-9								
Chloroethane	77		72		50-151	7		30
1,1-Dichloroethene	102		95		65-135	7		30
trans-1,2-Dichloroethene	97		91		70-130	6		30
Trichloroethene	95		92		70-130	3		30
1,2-Dichlorobenzene	93		92		70-130	1		30
1,3-Dichlorobenzene	93		92		70-130	1		30
1,4-Dichlorobenzene	93		92		70-130	1		30
Methyl tert butyl ether	85		77		66-130	10		30
p/m-Xylene	88		87		70-130	1		30
o-Xylene	85		84		70-130	1		30
cis-1,2-Dichloroethene	104		99		70-130	5		30
Styrene	88		86		70-130	2		30
Dichlorodifluoromethane	83		76		30-146	9		30
Acetone	136		114		54-140	18		30
Carbon disulfide	81		77		59-130	5		30
2-Butanone	117		100		70-130	16		30
4-Methyl-2-pentanone	113		100		70-130	12		30
2-Hexanone	**141**	Q	123		70-130	14		30
1,2-Dibromoethane	102		95		70-130	7		30
n-Butylbenzene	91		91		70-130	0		30
sec-Butylbenzene	88		88		70-130	0		30
tert-Butylbenzene	94		94		70-130	0		30
1,2-Dibromo-3-chloropropane	94		84		68-130	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016449
Report Date: 04/27/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04-07 Batch: WG1363738-8 WG1363738-9								
Isopropylbenzene	94		93		70-130	1		30
p-Isopropyltoluene	94		95		70-130	1		30
Naphthalene	93		89		70-130	4		30
n-Propylbenzene	92		92		70-130	0		30
1,2,4-Trichlorobenzene	93		92		70-130	1		30
1,3,5-Trimethylbenzene	91		91		70-130	0		30
1,2,4-Trimethylbenzene	91		91		70-130	0		30
Methyl Acetate	132		112		51-146	16		30
Cyclohexane	119		116		59-142	3		30
Freon-113	104		97		50-139	7		30
Methyl cyclohexane	97		96		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		95		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	99		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387

Lab Number: L2016449
Report Date: 04/27/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,07 Batch: WG1364233-3 WG1364233-4								
Methylene chloride	88		86		70-130	2		30
1,1-Dichloroethane	104		100		70-130	4		30
Chloroform	90		87		70-130	3		30
Carbon tetrachloride	109		103		70-130	6		30
1,2-Dichloropropane	101		98		70-130	3		30
Dibromochloromethane	90		88		70-130	2		30
1,1,2-Trichloroethane	85		83		70-130	2		30
Tetrachloroethene	98		94		70-130	4		30
Chlorobenzene	85		83		70-130	2		30
Trichlorofluoromethane	104		101		70-139	3		30
1,2-Dichloroethane	95		93		70-130	2		30
1,1,1-Trichloroethane	101		96		70-130	5		30
Bromodichloromethane	84		83		70-130	1		30
trans-1,3-Dichloropropene	94		94		70-130	0		30
cis-1,3-Dichloropropene	97		95		70-130	2		30
Bromoform	89		88		70-130	1		30
1,1,2,2-Tetrachloroethane	79		77		70-130	3		30
Benzene	90		86		70-130	5		30
Toluene	91		88		70-130	3		30
Ethylbenzene	94		91		70-130	3		30
Chloromethane	126		119		52-130	6		30
Bromomethane	76		72		57-147	5		30
Vinyl chloride	88		81		67-130	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387

Lab Number: L2016449
Report Date: 04/27/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,07 Batch: WG1364233-3 WG1364233-4								
Chloroethane	65		60		50-151	8		30
1,1-Dichloroethene	106		101		65-135	5		30
trans-1,2-Dichloroethene	94		90		70-130	4		30
Trichloroethene	97		92		70-130	5		30
1,2-Dichlorobenzene	88		85		70-130	3		30
1,3-Dichlorobenzene	90		88		70-130	2		30
1,4-Dichlorobenzene	90		87		70-130	3		30
Methyl tert butyl ether	96		93		66-130	3		30
p/m-Xylene	96		93		70-130	3		30
o-Xylene	90		88		70-130	2		30
cis-1,2-Dichloroethene	99		95		70-130	4		30
Styrene	90		89		70-130	1		30
Dichlorodifluoromethane	115		109		30-146	5		30
Acetone	120		116		54-140	3		30
Carbon disulfide	89		86		59-130	3		30
2-Butanone	111		111		70-130	0		30
4-Methyl-2-pentanone	106		103		70-130	3		30
2-Hexanone	112		110		70-130	2		30
1,2-Dibromoethane	88		88		70-130	0		30
n-Butylbenzene	97		93		70-130	4		30
sec-Butylbenzene	96		92		70-130	4		30
tert-Butylbenzene	107		102		70-130	5		30
1,2-Dibromo-3-chloropropane	89		89		68-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 BUCKLEY RD SYRACUSE

Project Number: 2201387

Lab Number: L2016449

Report Date: 04/27/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,07 Batch: WG1364233-3 WG1364233-4								
Isopropylbenzene	105		100		70-130	5		30
p-Isopropyltoluene	109		104		70-130	5		30
Naphthalene	109		107		70-130	2		30
n-Propylbenzene	98		93		70-130	5		30
1,2,4-Trichlorobenzene	96		94		70-130	2		30
1,3,5-Trimethylbenzene	103		99		70-130	4		30
1,2,4-Trimethylbenzene	102		98		70-130	4		30
Methyl Acetate	109		107		51-146	2		30
Cyclohexane	139		132		59-142	5		30
Freon-113	113		107		50-139	5		30
Methyl cyclohexane	110		104		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	97		96		70-130

SEMIVOLATILES

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016449
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-01
Client ID: SB-05 (8'-10')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 10:00
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/23/20 00:10
Analyst: JG
Percent Solids: 66%

Extraction Method: EPA 3546
Extraction Date: 04/22/20 03:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	200	26.	1
Fluoranthene	34	J	ug/kg	150	28.	1
Benzo(a)anthracene	ND		ug/kg	150	28.	1
Benzo(a)pyrene	ND		ug/kg	200	61.	1
Benzo(b)fluoranthene	ND		ug/kg	150	42.	1
Benzo(k)fluoranthene	ND		ug/kg	150	40.	1
Chrysene	ND		ug/kg	150	26.	1
Acenaphthylene	ND		ug/kg	200	38.	1
Anthracene	ND		ug/kg	150	48.	1
Benzo(ghi)perylene	ND		ug/kg	200	29.	1
Fluorene	ND		ug/kg	250	24.	1
Phenanthrene	62	J	ug/kg	150	30.	1
Dibenzo(a,h)anthracene	ND		ug/kg	150	29.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	200	35.	1
Pyrene	26	J	ug/kg	150	25.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	77		30-120
4-Terphenyl-d14	19		18-120

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-02
Client ID: SB-03 (7.5'-10')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 09:45
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/22/20 22:02
Analyst: JG
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 04/22/20 03:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Fluoranthene	ND		ug/kg	120	23.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	89		30-120
4-Terphenyl-d14	76		18-120

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016449
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-03 D
Client ID: SB-06 (5'-7.5')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 10:40
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/27/20 07:42
Analyst: WR
Percent Solids: 73%

Extraction Method: EPA 3546
Extraction Date: 04/22/20 03:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	3600	470	20
Fluoranthene	ND		ug/kg	2700	520	20
Benzo(a)anthracene	ND		ug/kg	2700	510	20
Benzo(a)pyrene	ND		ug/kg	3600	1100	20
Benzo(b)fluoranthene	ND		ug/kg	2700	760	20
Benzo(k)fluoranthene	ND		ug/kg	2700	720	20
Chrysene	ND		ug/kg	2700	470	20
Acenaphthylene	ND		ug/kg	3600	700	20
Anthracene	ND		ug/kg	2700	880	20
Benzo(ghi)perylene	ND		ug/kg	3600	530	20
Fluorene	ND		ug/kg	4500	440	20
Phenanthrene	ND		ug/kg	2700	550	20
Dibenzo(a,h)anthracene	ND		ug/kg	2700	520	20
Indeno(1,2,3-cd)pyrene	ND		ug/kg	3600	630	20
Pyrene	ND		ug/kg	2700	450	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
4-Terphenyl-d14	**0**	Q	18-120

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016449
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-04
Client ID: SB-14 (7.5'-10.0')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 13:15
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/22/20 22:23
Analyst: JG
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 04/22/20 03:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Fluoranthene	ND		ug/kg	120	22.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	95		30-120
4-Terphenyl-d14	85		18-120

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016449
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-05
Client ID: SB-17 (5'-10')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 14:45
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/22/20 23:06
Analyst: JG
Percent Solids: 62%

Extraction Method: EPA 3546
Extraction Date: 04/22/20 03:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	210	27.	1
Fluoranthene	91	J	ug/kg	160	30.	1
Benzo(a)anthracene	56	J	ug/kg	160	30.	1
Benzo(a)pyrene	ND		ug/kg	210	65.	1
Benzo(b)fluoranthene	61	J	ug/kg	160	45.	1
Benzo(k)fluoranthene	ND		ug/kg	160	42.	1
Chrysene	48	J	ug/kg	160	28.	1
Acenaphthylene	ND		ug/kg	210	41.	1
Anthracene	ND		ug/kg	160	52.	1
Benzo(ghi)perylene	ND		ug/kg	210	31.	1
Fluorene	ND		ug/kg	260	26.	1
Phenanthrene	87	J	ug/kg	160	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	160	31.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	210	37.	1
Pyrene	80	J	ug/kg	160	26.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	91		30-120
4-Terphenyl-d14	77		18-120

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016449
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-06
Client ID: SB-18 (12.5-15')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 15:00
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/23/20 03:19
Analyst: IM
Percent Solids: 61%

Extraction Method: EPA 3546
Extraction Date: 04/22/20 03:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	210	28.	1
Fluoranthene	ND		ug/kg	160	30.	1
Benzo(a)anthracene	ND		ug/kg	160	30.	1
Benzo(a)pyrene	ND		ug/kg	210	65.	1
Benzo(b)fluoranthene	ND		ug/kg	160	45.	1
Benzo(k)fluoranthene	ND		ug/kg	160	42.	1
Chrysene	ND		ug/kg	160	28.	1
Acenaphthylene	ND		ug/kg	210	41.	1
Anthracene	ND		ug/kg	160	52.	1
Benzo(ghi)perylene	ND		ug/kg	210	31.	1
Fluorene	ND		ug/kg	270	26.	1
Phenanthrene	ND		ug/kg	160	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	160	31.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	210	37.	1
Pyrene	ND		ug/kg	160	26.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	75		30-120
4-Terphenyl-d14	73		18-120

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016449
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-07 D
Client ID: SB-05 (2.5'-5.0')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 10:05
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/27/20 07:18
Analyst: WR
Percent Solids: 71%

Extraction Method: EPA 3546
Extraction Date: 04/24/20 13:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	3700	480	20
Fluoranthene	ND		ug/kg	2800	530	20
Benzo(a)anthracene	ND		ug/kg	2800	520	20
Benzo(a)pyrene	ND		ug/kg	3700	1100	20
Benzo(b)fluoranthene	ND		ug/kg	2800	780	20
Benzo(k)fluoranthene	ND		ug/kg	2800	740	20
Chrysene	ND		ug/kg	2800	480	20
Acenaphthylene	ND		ug/kg	3700	710	20
Anthracene	ND		ug/kg	2800	900	20
Benzo(ghi)perylene	ND		ug/kg	3700	540	20
Fluorene	ND		ug/kg	4600	450	20
Phenanthrene	1300	J	ug/kg	2800	560	20
Dibenzo(a,h)anthracene	ND		ug/kg	2800	540	20
Indeno(1,2,3-cd)pyrene	ND		ug/kg	3700	640	20
Pyrene	ND		ug/kg	2800	460	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
4-Terphenyl-d14	**0**	Q	18-120

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016449
Report Date: 04/27/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/22/20 19:16
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 04/22/20 03:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1363227-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	97	19.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	94		30-120
4-Terphenyl-d14	103		18-120

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016449
Report Date: 04/27/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/24/20 09:03
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 04/24/20 03:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1364098-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	97	19.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	78		30-120
4-Terphenyl-d14	88		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016449
Report Date: 04/27/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1363227-2 WG1363227-3								
Acenaphthene	86		88		31-137	2		50
Fluoranthene	86		89		40-140	3		50
Benzo(a)anthracene	84		85		40-140	1		50
Benzo(a)pyrene	85		85		40-140	0		50
Benzo(b)fluoranthene	74		76		40-140	3		50
Benzo(k)fluoranthene	100		103		40-140	3		50
Chrysene	87		88		40-140	1		50
Acenaphthylene	85		88		40-140	3		50
Anthracene	88		93		40-140	6		50
Benzo(ghi)perylene	86		87		40-140	1		50
Fluorene	87		90		40-140	3		50
Phenanthrene	83		88		40-140	6		50
Dibenzo(a,h)anthracene	88		87		40-140	1		50
Indeno(1,2,3-cd)pyrene	84		80		40-140	5		50
Pyrene	86		89		35-142	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	91		94		23-120
2-Fluorobiphenyl	78		81		30-120
4-Terphenyl-d14	81		82		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016449
Report Date: 04/27/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1364098-2 WG1364098-3								
Acenaphthene	79		77		31-137	3		50
Fluoranthene	84		83		40-140	1		50
Benzo(a)anthracene	80		78		40-140	3		50
Benzo(a)pyrene	86		83		40-140	4		50
Benzo(b)fluoranthene	80		77		40-140	4		50
Benzo(k)fluoranthene	88		89		40-140	1		50
Chrysene	84		84		40-140	0		50
Acenaphthylene	85		84		40-140	1		50
Anthracene	82		81		40-140	1		50
Benzo(ghi)perylene	78		76		40-140	3		50
Fluorene	82		80		40-140	2		50
Phenanthrene	78		76		40-140	3		50
Dibenzo(a,h)anthracene	78		76		40-140	3		50
Indeno(1,2,3-cd)pyrene	80		78		40-140	3		50
Pyrene	82		81		35-142	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	83		83		23-120
2-Fluorobiphenyl	81		81		30-120
4-Terphenyl-d14	90		87		18-120

PCBS

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016449
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-01
Client ID: SB-05 (8'-10')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 10:00
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/22/20 15:30
Analyst: KB
Percent Solids: 66%

Extraction Method: EPA 3546
Extraction Date: 04/21/20 18:34
Cleanup Method: EPA 3665A
Cleanup Date: 04/22/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	49.3	4.37	1	A
Aroclor 1221	ND		ug/kg	49.3	4.94	1	A
Aroclor 1232	ND		ug/kg	49.3	10.4	1	A
Aroclor 1242	ND		ug/kg	49.3	6.64	1	A
Aroclor 1248	ND		ug/kg	49.3	7.39	1	A
Aroclor 1254	ND		ug/kg	49.3	5.39	1	A
Aroclor 1260	ND		ug/kg	49.3	9.10	1	A
Aroclor 1262	ND		ug/kg	49.3	6.26	1	A
Aroclor 1268	ND		ug/kg	49.3	5.10	1	A
PCBs, Total	ND		ug/kg	49.3	4.37	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	45		30-150	B

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016449
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-02
Client ID: SB-03 (7.5'-10')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 09:45
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/22/20 15:42
Analyst: KB
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 04/21/20 18:34
Cleanup Method: EPA 3665A
Cleanup Date: 04/22/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.0	3.46	1	A
Aroclor 1221	ND		ug/kg	39.0	3.90	1	A
Aroclor 1232	ND		ug/kg	39.0	8.26	1	A
Aroclor 1242	ND		ug/kg	39.0	5.25	1	A
Aroclor 1248	ND		ug/kg	39.0	5.85	1	A
Aroclor 1254	ND		ug/kg	39.0	4.26	1	A
Aroclor 1260	ND		ug/kg	39.0	7.20	1	A
Aroclor 1262	ND		ug/kg	39.0	4.95	1	A
Aroclor 1268	ND		ug/kg	39.0	4.04	1	A
PCBs, Total	ND		ug/kg	39.0	3.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016449
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-03
Client ID: SB-06 (5'-7.5')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 10:40
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/22/20 15:54
Analyst: KB
Percent Solids: 73%

Extraction Method: EPA 3546
Extraction Date: 04/21/20 18:34
Cleanup Method: EPA 3665A
Cleanup Date: 04/22/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.1	3.92	1	A
Aroclor 1221	ND		ug/kg	44.1	4.42	1	A
Aroclor 1232	ND		ug/kg	44.1	9.36	1	A
Aroclor 1242	ND		ug/kg	44.1	5.95	1	A
Aroclor 1248	ND		ug/kg	44.1	6.62	1	A
Aroclor 1254	ND		ug/kg	44.1	4.83	1	A
Aroclor 1260	ND		ug/kg	44.1	8.16	1	A
Aroclor 1262	ND		ug/kg	44.1	5.61	1	A
Aroclor 1268	ND		ug/kg	44.1	4.57	1	A
PCBs, Total	ND		ug/kg	44.1	3.92	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016449
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-04
Client ID: SB-14 (7.5'-10.0')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 13:15
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/22/20 16:05
Analyst: KB
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 04/21/20 18:34
Cleanup Method: EPA 3665A
Cleanup Date: 04/22/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	3.30	1	A
Aroclor 1221	ND		ug/kg	37.2	3.72	1	A
Aroclor 1232	ND		ug/kg	37.2	7.88	1	A
Aroclor 1242	ND		ug/kg	37.2	5.01	1	A
Aroclor 1248	ND		ug/kg	37.2	5.58	1	A
Aroclor 1254	ND		ug/kg	37.2	4.07	1	A
Aroclor 1260	ND		ug/kg	37.2	6.87	1	A
Aroclor 1262	ND		ug/kg	37.2	4.72	1	A
Aroclor 1268	ND		ug/kg	37.2	3.85	1	A
PCBs, Total	ND		ug/kg	37.2	3.30	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-05
Client ID: SB-17 (5'-10')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 14:45
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/22/20 16:17
Analyst: KB
Percent Solids: 62%

Extraction Method: EPA 3546
Extraction Date: 04/21/20 18:34
Cleanup Method: EPA 3665A
Cleanup Date: 04/22/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	140	12.4	1	A
Aroclor 1221	ND		ug/kg	140	14.0	1	A
Aroclor 1232	ND		ug/kg	140	29.6	1	A
Aroclor 1242	ND		ug/kg	140	18.8	1	A
Aroclor 1248	ND		ug/kg	140	21.0	1	A
Aroclor 1254	ND		ug/kg	140	15.3	1	A
Aroclor 1260	ND		ug/kg	140	25.8	1	A
Aroclor 1262	ND		ug/kg	140	17.7	1	A
Aroclor 1268	ND		ug/kg	140	14.5	1	A
PCBs, Total	ND		ug/kg	140	12.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016449
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-06
Client ID: SB-18 (12.5-15')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 15:00
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/22/20 16:29
Analyst: KB
Percent Solids: 61%

Extraction Method: EPA 3546
Extraction Date: 04/21/20 18:34
Cleanup Method: EPA 3665A
Cleanup Date: 04/22/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.6	4.67	1	A
Aroclor 1221	ND		ug/kg	52.6	5.27	1	A
Aroclor 1232	ND		ug/kg	52.6	11.2	1	A
Aroclor 1242	ND		ug/kg	52.6	7.09	1	A
Aroclor 1248	ND		ug/kg	52.6	7.89	1	A
Aroclor 1254	ND		ug/kg	52.6	5.76	1	A
Aroclor 1260	ND		ug/kg	52.6	9.72	1	A
Aroclor 1262	ND		ug/kg	52.6	6.68	1	A
Aroclor 1268	ND		ug/kg	52.6	5.45	1	A
PCBs, Total	ND		ug/kg	52.6	4.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-07
Client ID: SB-05 (2.5'-5.0')
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/20/20 10:05
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/25/20 12:01
Analyst: CW
Percent Solids: 71%

Extraction Method: EPA 3546
Extraction Date: 04/23/20 10:12
Cleanup Method: EPA 3665A
Cleanup Date: 04/23/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	46.6	4.13	1	A
Aroclor 1221	ND		ug/kg	46.6	4.66	1	A
Aroclor 1232	ND		ug/kg	46.6	9.87	1	A
Aroclor 1242	ND		ug/kg	46.6	6.28	1	A
Aroclor 1248	ND		ug/kg	46.6	6.98	1	A
Aroclor 1254	ND		ug/kg	46.6	5.09	1	A
Aroclor 1260	ND		ug/kg	46.6	8.60	1	A
Aroclor 1262	ND		ug/kg	46.6	5.91	1	A
Aroclor 1268	ND		ug/kg	46.6	4.82	1	A
PCBs, Total	ND		ug/kg	46.6	4.13	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016449
Report Date: 04/27/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/21/20 16:53
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 04/20/20 19:05
Cleanup Method: EPA 3665A
Cleanup Date: 04/21/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG1362805-1						
Aroclor 1016	ND		ug/kg	31.4	2.79	A
Aroclor 1221	ND		ug/kg	31.4	3.15	A
Aroclor 1232	ND		ug/kg	31.4	6.66	A
Aroclor 1242	ND		ug/kg	31.4	4.24	A
Aroclor 1248	ND		ug/kg	31.4	4.71	A
Aroclor 1254	ND		ug/kg	31.4	3.44	A
Aroclor 1260	ND		ug/kg	31.4	5.81	A
Aroclor 1262	ND		ug/kg	31.4	3.99	A
Aroclor 1268	ND		ug/kg	31.4	3.26	A
PCBs, Total	ND		ug/kg	31.4	2.79	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016449
Report Date: 04/27/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/24/20 02:48
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 04/23/20 10:12
Cleanup Method: EPA 3665A
Cleanup Date: 04/23/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07 Batch: WG1363843-1						
Aroclor 1016	ND		ug/kg	32.6	2.89	A
Aroclor 1221	ND		ug/kg	32.6	3.26	A
Aroclor 1232	ND		ug/kg	32.6	6.91	A
Aroclor 1242	ND		ug/kg	32.6	4.39	A
Aroclor 1248	ND		ug/kg	32.6	4.89	A
Aroclor 1254	ND		ug/kg	32.6	3.56	A
Aroclor 1260	ND		ug/kg	32.6	6.02	A
Aroclor 1262	ND		ug/kg	32.6	4.14	A
Aroclor 1268	ND		ug/kg	32.6	3.38	A
PCBs, Total	ND		ug/kg	32.6	2.89	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 BUCKLEY RD SYRACUSE

Project Number: 2201387

Lab Number: L2016449

Report Date: 04/27/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1362805-2 WG1362805-3									
Aroclor 1016	72		68		40-140	6		50	A
Aroclor 1260	60		57		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		61		30-150	A
Decachlorobiphenyl	51		51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		61		30-150	B
Decachlorobiphenyl	63		61		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 BUCKLEY RD SYRACUSE

Project Number: 2201387

Lab Number: L2016449

Report Date: 04/27/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07 Batch: WG1363843-2 WG1363843-3									
Aroclor 1016	68		69		40-140	1		50	A
Aroclor 1260	65		66		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		70		30-150	A
Decachlorobiphenyl	70		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		69		30-150	B
Decachlorobiphenyl	84		88		30-150	B

METALS

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016449
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-01
Client ID: SB-05 (8'-10')
Sample Location: 100 BUCKLEY RD SYRACUSE
Date Collected: 04/20/20 10:00
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 66%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	4.05		mg/kg	0.576	0.120	1	04/21/20 20:11	04/25/20 13:53	EPA 3050B	1,6010D	LC
Barium, Total	87.3		mg/kg	0.576	0.100	1	04/21/20 20:11	04/25/20 13:53	EPA 3050B	1,6010D	LC
Cadmium, Total	0.352	J	mg/kg	0.576	0.057	1	04/21/20 20:11	04/25/20 13:53	EPA 3050B	1,6010D	LC
Chromium, Total	9.93		mg/kg	0.576	0.055	1	04/21/20 20:11	04/25/20 13:53	EPA 3050B	1,6010D	LC
Lead, Total	175		mg/kg	2.88	0.154	1	04/21/20 20:11	04/25/20 13:53	EPA 3050B	1,6010D	LC
Mercury, Total	0.081	J	mg/kg	0.10	0.065	1	04/21/20 20:52	04/22/20 09:32	EPA 7471B	1,7471B	GD
Selenium, Total	0.502	J	mg/kg	1.15	0.149	1	04/21/20 20:11	04/25/20 13:53	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.576	0.163	1	04/21/20 20:11	04/25/20 13:53	EPA 3050B	1,6010D	LC

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016449
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-02
Client ID: SB-03 (7.5'-10')
Sample Location: 100 BUCKLEY RD SYRACUSE
Date Collected: 04/20/20 09:45
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	2.47		mg/kg	0.476	0.099	1	04/21/20 20:11	04/25/20 14:34	EPA 3050B	1,6010D	LC
Barium, Total	4.70		mg/kg	0.476	0.083	1	04/21/20 20:11	04/25/20 14:34	EPA 3050B	1,6010D	LC
Cadmium, Total	0.171	J	mg/kg	0.476	0.047	1	04/21/20 20:11	04/25/20 14:34	EPA 3050B	1,6010D	LC
Chromium, Total	2.98		mg/kg	0.476	0.046	1	04/21/20 20:11	04/25/20 14:34	EPA 3050B	1,6010D	LC
Lead, Total	3.81		mg/kg	2.38	0.127	1	04/21/20 20:11	04/25/20 14:34	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.080	0.052	1	04/21/20 20:52	04/22/20 09:52	EPA 7471B	1,7471B	GD
Selenium, Total	0.166	J	mg/kg	0.951	0.123	1	04/21/20 20:11	04/25/20 14:34	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.476	0.134	1	04/21/20 20:11	04/25/20 14:34	EPA 3050B	1,6010D	LC

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016449

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-03 Date Collected: 04/20/20 10:40

Client ID: SB-06 (5'-7.5') Date Received: 04/20/20

Sample Location: 100 BUCKLEY RD SYRACUSE Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	1.28		mg/kg	0.544	0.113	1	04/21/20 20:11	04/25/20 14:39	EPA 3050B	1,6010D	LC
Barium, Total	40.2		mg/kg	0.544	0.095	1	04/21/20 20:11	04/25/20 14:39	EPA 3050B	1,6010D	LC
Cadmium, Total	0.179	J	mg/kg	0.544	0.053	1	04/21/20 20:11	04/25/20 14:39	EPA 3050B	1,6010D	LC
Chromium, Total	3.48		mg/kg	0.544	0.052	1	04/21/20 20:11	04/25/20 14:39	EPA 3050B	1,6010D	LC
Lead, Total	36.5		mg/kg	2.72	0.146	1	04/21/20 20:11	04/25/20 14:39	EPA 3050B	1,6010D	LC
Mercury, Total	0.155		mg/kg	0.088	0.057	1	04/21/20 20:52	04/22/20 09:56	EPA 7471B	1,7471B	GD
Selenium, Total	1.96		mg/kg	1.09	0.140	1	04/21/20 20:11	04/25/20 14:39	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.544	0.154	1	04/21/20 20:11	04/25/20 14:39	EPA 3050B	1,6010D	LC

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016449
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-04
Client ID: SB-14 (7.5'-10.0')
Sample Location: 100 BUCKLEY RD SYRACUSE
Date Collected: 04/20/20 13:15
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	3.51		mg/kg	0.459	0.096	1	04/21/20 20:11	04/25/20 14:43	EPA 3050B	1,6010D	LC
Barium, Total	16.6		mg/kg	0.459	0.080	1	04/21/20 20:11	04/25/20 14:43	EPA 3050B	1,6010D	LC
Cadmium, Total	0.330	J	mg/kg	0.459	0.045	1	04/21/20 20:11	04/25/20 14:43	EPA 3050B	1,6010D	LC
Chromium, Total	9.09		mg/kg	0.459	0.044	1	04/21/20 20:11	04/25/20 14:43	EPA 3050B	1,6010D	LC
Lead, Total	14.2		mg/kg	2.30	0.123	1	04/21/20 20:11	04/25/20 14:43	EPA 3050B	1,6010D	LC
Mercury, Total	0.162		mg/kg	0.076	0.049	1	04/21/20 20:52	04/22/20 09:59	EPA 7471B	1,7471B	GD
Selenium, Total	0.298	J	mg/kg	0.918	0.118	1	04/21/20 20:11	04/25/20 14:43	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.459	0.130	1	04/21/20 20:11	04/25/20 14:43	EPA 3050B	1,6010D	LC

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016449
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-05
Client ID: SB-17 (5'-10')
Sample Location: 100 BUCKLEY RD SYRACUSE
Date Collected: 04/20/20 14:45
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 62%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	2.52		mg/kg	0.645	0.134	1	04/21/20 20:11	04/25/20 14:48	EPA 3050B	1,6010D	LC
Barium, Total	20.2		mg/kg	0.645	0.112	1	04/21/20 20:11	04/25/20 14:48	EPA 3050B	1,6010D	LC
Cadmium, Total	0.245	J	mg/kg	0.645	0.063	1	04/21/20 20:11	04/25/20 14:48	EPA 3050B	1,6010D	LC
Chromium, Total	5.24		mg/kg	0.645	0.062	1	04/21/20 20:11	04/25/20 14:48	EPA 3050B	1,6010D	LC
Lead, Total	10.4		mg/kg	3.22	0.173	1	04/21/20 20:11	04/25/20 14:48	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.119	0.077	1	04/21/20 20:52	04/22/20 10:02	EPA 7471B	1,7471B	GD
Selenium, Total	0.961	J	mg/kg	1.29	0.166	1	04/21/20 20:11	04/25/20 14:48	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.645	0.182	1	04/21/20 20:11	04/25/20 14:48	EPA 3050B	1,6010D	LC

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016449
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-06
Client ID: SB-18 (12.5-15')
Sample Location: 100 BUCKLEY RD SYRACUSE
Date Collected: 04/20/20 15:00
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 61%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	ND		mg/kg	0.625	0.130	1	04/21/20 20:11	04/25/20 14:52	EPA 3050B	1,6010D	LC
Barium, Total	38.2		mg/kg	0.625	0.109	1	04/21/20 20:11	04/25/20 14:52	EPA 3050B	1,6010D	LC
Cadmium, Total	0.394	J	mg/kg	0.625	0.061	1	04/21/20 20:11	04/25/20 14:52	EPA 3050B	1,6010D	LC
Chromium, Total	7.25		mg/kg	0.625	0.060	1	04/21/20 20:11	04/25/20 14:52	EPA 3050B	1,6010D	LC
Lead, Total	1.59	J	mg/kg	3.12	0.167	1	04/21/20 20:11	04/25/20 14:52	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.111	0.072	1	04/21/20 20:52	04/22/20 10:05	EPA 7471B	1,7471B	GD
Selenium, Total	0.600	J	mg/kg	1.25	0.161	1	04/21/20 20:11	04/25/20 14:52	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.625	0.177	1	04/21/20 20:11	04/25/20 14:52	EPA 3050B	1,6010D	LC

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016449
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-07
Client ID: SB-05 (2.5'-5.0')
Sample Location: 100 BUCKLEY RD SYRACUSE
Date Collected: 04/20/20 10:05
Date Received: 04/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	1.00		mg/kg	0.552	0.115	1	04/21/20 20:11	04/25/20 14:57	EPA 3050B	1,6010D	LC
Barium, Total	61.9		mg/kg	0.552	0.096	1	04/21/20 20:11	04/25/20 14:57	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.552	0.054	1	04/21/20 20:11	04/25/20 14:57	EPA 3050B	1,6010D	LC
Chromium, Total	1.10		mg/kg	0.552	0.053	1	04/21/20 20:11	04/25/20 14:57	EPA 3050B	1,6010D	LC
Lead, Total	80.2		mg/kg	2.76	0.148	1	04/21/20 20:11	04/25/20 14:57	EPA 3050B	1,6010D	LC
Mercury, Total	0.163		mg/kg	0.094	0.061	1	04/21/20 20:52	04/22/20 10:09	EPA 7471B	1,7471B	GD
Selenium, Total	ND		mg/kg	1.10	0.142	1	04/21/20 20:11	04/25/20 14:57	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.552	0.156	1	04/21/20 20:11	04/25/20 14:57	EPA 3050B	1,6010D	LC

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016449
Report Date: 04/27/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1363084-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	04/21/20 20:11	04/25/20 13:30	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	04/21/20 20:11	04/25/20 13:30	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	04/21/20 20:11	04/25/20 13:30	1,6010D	LC
Chromium, Total	ND		mg/kg	0.400	0.038	1	04/21/20 20:11	04/25/20 13:30	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	04/21/20 20:11	04/25/20 13:30	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	04/21/20 20:11	04/25/20 13:30	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	04/21/20 20:11	04/25/20 13:30	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1363085-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	04/21/20 20:52	04/22/20 09:26	1,7471B	GD

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 BUCKLEY RD SYRACUSE

Project Number: 2201387

Lab Number: L2016449

Report Date: 04/27/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1363084-2 SRM Lot Number: D105-540								
Arsenic, Total	105		-		70-130	-		
Barium, Total	100		-		75-125	-		
Cadmium, Total	98		-		75-125	-		
Chromium, Total	99		-		70-130	-		
Lead, Total	101		-		71-128	-		
Selenium, Total	106		-		63-137	-		
Silver, Total	107		-		69-131	-		
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1363085-2 SRM Lot Number: D105-540								
Mercury, Total	95		-		60-141	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387

Lab Number: L2016449
Report Date: 04/27/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1363084-3 QC Sample: L2016449-01 Client ID: SB-05 (8'-10')												
Arsenic, Total	4.05	14.1	21.0	120		-	-		75-125	-		20
Barium, Total	87.3	235	224	**58**	Q	-	-		75-125	-		20
Cadmium, Total	0.352J	5.99	6.18	103		-	-		75-125	-		20
Chromium, Total	9.93	23.5	29.2	82		-	-		75-125	-		20
Lead, Total	175	59.9	167	**0**	Q	-	-		75-125	-		20
Selenium, Total	0.502J	14.1	15.6	110		-	-		75-125	-		20
Silver, Total	ND	35.3	34.4	98		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1363085-3 QC Sample: L2016449-01 Client ID: SB-05 (8'-10')												
Mercury, Total	0.081J	0.202	0.238	118		-	-		80-120	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 100 BUCKLEY RD SYRACUSE

Project Number: 2201387

Lab Number: L2016449

Report Date: 04/27/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1363084-4 QC Sample: L2016449-01 Client ID: SB-05 (8'-10')						
Arsenic, Total	4.05	2.63	mg/kg	**43**	Q	20
Barium, Total	87.3	57.6	mg/kg	**41**	Q	20
Cadmium, Total	0.352J	0.326J	mg/kg	NC		20
Chromium, Total	9.93	5.10	mg/kg	**64**	Q	20
Lead, Total	175	83.3	mg/kg	**71**	Q	20
Selenium, Total	0.502J	0.553J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1363085-4 QC Sample: L2016449-01 Client ID: SB-05 (8'-10')						
Mercury, Total	0.081J	ND	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016449
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-01
Client ID: SB-05 (8'-10')
Sample Location: 100 BUCKLEY RD SYRACUSE
Sample Depth:
Matrix: Soil

Date Collected: 04/20/20 10:00
Date Received: 04/20/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.9		%	0.100	NA	1	-	04/21/20 12:23	121,2540G	RI

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016449
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-02
Client ID: SB-03 (7.5'-10')
Sample Location: 100 BUCKLEY RD SYRACUSE
Sample Depth:
Matrix: Soil

Date Collected: 04/20/20 09:45
Date Received: 04/20/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.7		%	0.100	NA	1	-	04/21/20 12:23	121,2540G	RI

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016449
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-03
Client ID: SB-06 (5'-7.5')
Sample Location: 100 BUCKLEY RD SYRACUSE
Sample Depth:
Matrix: Soil

Date Collected: 04/20/20 10:40
Date Received: 04/20/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.6		%	0.100	NA	1	-	04/21/20 12:23	121,2540G	RI

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016449
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-04
Client ID: SB-14 (7.5'-10.0')
Sample Location: 100 BUCKLEY RD SYRACUSE
Sample Depth:
Matrix: Soil

Date Collected: 04/20/20 13:15
Date Received: 04/20/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.7		%	0.100	NA	1	-	04/21/20 12:23	121,2540G	RI

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016449
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-05
Client ID: SB-17 (5'-10')
Sample Location: 100 BUCKLEY RD SYRACUSE
Sample Depth:
Matrix: Soil

Date Collected: 04/20/20 14:45
Date Received: 04/20/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	61.9		%	0.100	NA	1	-	04/21/20 12:23	121,2540G	RI

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016449
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-06
Client ID: SB-18 (12.5-15')
Sample Location: 100 BUCKLEY RD SYRACUSE
Sample Depth:
Matrix: Soil

Date Collected: 04/20/20 15:00
Date Received: 04/20/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	61.2		%	0.100	NA	1	-	04/21/20 12:23	121,2540G	RI

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016449
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016449-07
Client ID: SB-05 (2.5'-5.0')
Sample Location: 100 BUCKLEY RD SYRACUSE
Sample Depth:
Matrix: Soil

Date Collected: 04/20/20 10:05
Date Received: 04/20/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.7		%	0.100	NA	1	-	04/21/20 12:23	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 100 BUCKLEY RD SYRACUSE

Project Number: 2201387

Lab Number: L2016449

Report Date: 04/27/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1363047-1 QC Sample: L2016145-01 Client ID: DUP Sample						
Solids, Total	84.4	85.4	%	1		20

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387

Lab Number: L2016449
Report Date: 04/27/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2016449-01A	Vial MeOH preserved	A	NA		2.7	Y	Absent		NYTCL-8260HLW-R2(14)
L2016449-01B	Vial water preserved	A	NA		2.7	Y	Absent	21-APR-20 05:06	NYTCL-8260HLW-R2(14)
L2016449-01C	Vial water preserved	A	NA		2.7	Y	Absent	21-APR-20 05:06	NYTCL-8260HLW-R2(14)
L2016449-01D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2016449-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2016449-01F	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NYCP51-PAH(14),NYTCL-8082(14)
L2016449-02A	Vial MeOH preserved	A	NA		2.7	Y	Absent		NYTCL-8260HLW-R2(14)
L2016449-02B	Vial water preserved	A	NA		2.7	Y	Absent	21-APR-20 05:06	NYTCL-8260HLW-R2(14)
L2016449-02C	Vial water preserved	A	NA		2.7	Y	Absent	21-APR-20 05:06	NYTCL-8260HLW-R2(14)
L2016449-02D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2016449-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2016449-02F	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NYCP51-PAH(14),NYTCL-8082(14)
L2016449-03A	Vial MeOH preserved	A	NA		2.7	Y	Absent		NYTCL-8260HLW-R2(14)
L2016449-03B	Vial water preserved	A	NA		2.7	Y	Absent	21-APR-20 05:06	NYTCL-8260HLW-R2(14)
L2016449-03C	Vial water preserved	A	NA		2.7	Y	Absent	21-APR-20 05:06	NYTCL-8260HLW-R2(14)
L2016449-03D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2016449-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2016449-03F	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NYCP51-PAH(14),NYTCL-8082(14)
L2016449-04A	Vial MeOH preserved	A	NA		2.7	Y	Absent		NYTCL-8260HLW-R2(14)
L2016449-04B	Vial water preserved	A	NA		2.7	Y	Absent	21-APR-20 05:06	NYTCL-8260HLW-R2(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2016449-04C	Vial water preserved	A	NA		2.7	Y	Absent	21-APR-20 05:06	NYTCL-8260HLW-R2(14)
L2016449-04D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2016449-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2016449-04F	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NYCP51-PAH(14),NYTCL-8082(14)
L2016449-05A	Vial MeOH preserved	A	NA		2.7	Y	Absent		NYTCL-8260HLW-R2(14)
L2016449-05B	Vial water preserved	A	NA		2.7	Y	Absent	21-APR-20 05:06	NYTCL-8260HLW-R2(14)
L2016449-05C	Vial water preserved	A	NA		2.7	Y	Absent	21-APR-20 05:06	NYTCL-8260HLW-R2(14)
L2016449-05D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2016449-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2016449-05F	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NYCP51-PAH(14),NYTCL-8082(14)
L2016449-06A	Vial MeOH preserved	A	NA		2.7	Y	Absent		NYTCL-8260HLW-R2(14)
L2016449-06B	Vial water preserved	A	NA		2.7	Y	Absent	21-APR-20 05:06	NYTCL-8260HLW-R2(14)
L2016449-06C	Vial water preserved	A	NA		2.7	Y	Absent	21-APR-20 05:06	NYTCL-8260HLW-R2(14)
L2016449-06D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2016449-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2016449-06F	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NYCP51-PAH(14),NYTCL-8082(14)
L2016449-07A	Vial MeOH preserved	A	NA		2.7	Y	Absent		NYTCL-8260HLW-R2(14)
L2016449-07B	Vial water preserved	A	NA		2.7	Y	Absent	21-APR-20 05:06	NYTCL-8260HLW-R2(14)
L2016449-07C	Vial water preserved	A	NA		2.7	Y	Absent	21-APR-20 05:06	NYTCL-8260HLW-R2(14)
L2016449-07D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2016449-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2016449-07F	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NYCP51-PAH(14),NYTCL-8082(14)
L2016449-08A	Vial HCl preserved	A	NA		2.7	Y	Absent		-
L2016449-08B	Vial HCl preserved	A	NA		2.7	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	100 BUCKLEY RD SYRACUSE	**Lab Number:**	L2016449
Project Number:	2201387	**Report Date:**	04/27/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	100 BUCKLEY RD SYRACUSE	**Lab Number:**	L2016449
Project Number:	2201387	**Report Date:**	04/27/20

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers

Project Name:	100 BUCKLEY RD SYRACUSE	**Lab Number:**	L2016449
Project Number:	2201387	**Report Date:**	04/27/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	100 BUCKLEY RD SYRACUSE	**Lab Number:**	L2016449
Project Number:	2201387	**Report Date:**	04/27/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 4/20/20

ALPHA Job #: L2016449

Client Information
Client: Labella Associates
Address: 300 State St Suite 2
Rochester NY 14614
Phone: 315-243-8441
Fax:
Email: wsisco@labellapc.com

Project Information
Project Name: 100 Buckley Rd Syracuse
Project Location: 100 Buckley Rd Syracuse
Project #: 2201387
(Use Project name as Project #)
Project Manager: Bill Sisco
ALPHAQuote #:

Turn-Around Time
Standard
Rush (only if pre approved)
Due Date:
# of Days:

Deliverables
ASP-A
ASP-B
EQuIS (1 File)
EQuIS (4 File)
Other

Regulatory Requirement
NY TOGS
NY Part 375
AWQ Standards
NY CP-51
NY Restricted Use
Other
NY Unrestricted Use
NYC Sewer Discharge

Billing Information
Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
NJ
NY
Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
Done
Lab to do
Preservation
Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + Mex BTEX	CP-51 SVOCs + Naphthalene	RCRA Metals + Hg	PCBs Method 8082	Total Bottle	Sample Specific Comments
L16449 01	SB-05 (8'-10')	4-20	10:00	S	ET	X	X	X	X		
02	SB-03 (7.5'-10')	4-20	9.45	S	ET	X	X	X	X		
03	SB-06 (5'-7.5')	4-20	10:40	S	ET	X	X	X	X		
04	SB-14 (7.5-10.0)	4-20	13:15	S	ET	X	X	X	X		
05	SB-17 (5'-10')	4-20	14:45	S	ET	X	X	X	X		
06	SB-18 (12.5-15)	4-20	15:00	S	ET	X	X	X	X		
07	SB-05 (2.5-5.0)	4-20	10:05	S	ET	X	X	X	X		

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Emily Thiele	4-20 1800	AAL	04/20/2020 1855
AAL	04/20/2020 1855		4/20/2023:50

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2016610
Client:	LaBella Associates 316 S. Clinton Street 2nd Floor Syracuse, NY 13202
ATTN:	William Sisco
Phone:	(315) 243-8441
Project Name:	100 BUCKLEY RD SYRACUSE
Project Number:	2201387
Report Date:	04/27/20

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387

Lab Number: L2016610
Report Date: 04/27/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2016610-01	SB-02, MW-01	WATER	100 BUCKLEY RD SYRACUSE	04/21/20 09:00	04/21/20
L2016610-02	SB-04, MW-02	WATER	100 BUCKLEY RD SYRACUSE	04/21/20 09:30	04/21/20
L2016610-03	SB-06, MW-03	WATER	100 BUCKLEY RD SYRACUSE	04/21/20 10:00	04/21/20
L2016610-04	SB-14, MW-04	WATER	100 BUCKLEY RD SYRACUSE	04/21/20 10:30	04/21/20
L2016610-05	SB-17, MW-05	WATER	100 BUCKLEY RD SYRACUSE	04/21/20 11:00	04/21/20
L2016610-06	SB-18, MW-06	WATER	100 BUCKLEY RD SYRACUSE	04/21/20 11:15	04/21/20
L2016610-07	SB-20, MW-07	WATER	100 BUCKLEY RD SYRACUSE	04/21/20 11:25	04/21/20

Project Name:	100 BUCKLEY RD SYRACUSE	**Lab Number:**	L2016610
Project Number:	2201387	**Report Date:**	04/27/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	100 BUCKLEY RD SYRACUSE	**Lab Number:**	L2016610
Project Number:	2201387	**Report Date:**	04/27/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 04/27/20

ORGANICS

VOLATILES

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016610

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-01
Client ID: SB-02, MW-01
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/21/20 09:00
Date Received: 04/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/24/20 09:25
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.20	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016610

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-01 Date Collected: 04/21/20 09:00

Client ID: SB-02, MW-01 Date Received: 04/21/20

Sample Location: 100 BUCKLEY RD SYRACUSE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	106		70-130

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016610

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-02
Client ID: SB-04, MW-02
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/21/20 09:30
Date Received: 04/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/24/20 09:50
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016610

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-02 Date Collected: 04/21/20 09:30

Client ID: SB-04, MW-02 Date Received: 04/21/20

Sample Location: 100 BUCKLEY RD SYRACUSE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	8.8		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	107		70-130

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016610

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-03
Client ID: SB-06, MW-03
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/21/20 10:00
Date Received: 04/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/24/20 10:14
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.08	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016610

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-03 Date Collected: 04/21/20 10:00

Client ID: SB-06, MW-03 Date Received: 04/21/20

Sample Location: 100 BUCKLEY RD SYRACUSE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	106		70-130

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016610

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-04
Client ID: SB-14, MW-04
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/21/20 10:30
Date Received: 04/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/24/20 10:39
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016610

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-04 Date Collected: 04/21/20 10:30

Client ID: SB-14, MW-04 Date Received: 04/21/20

Sample Location: 100 BUCKLEY RD SYRACUSE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.4		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	1.1	J	ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	111		70-130

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016610

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-05
Client ID: SB-17, MW-05
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/21/20 11:00
Date Received: 04/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/24/20 11:04
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016610

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-05 Date Collected: 04/21/20 11:00

Client ID: SB-17, MW-05 Date Received: 04/21/20

Sample Location: 100 BUCKLEY RD SYRACUSE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.2	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	107		70-130

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016610

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-06
Client ID: SB-18, MW-06
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/21/20 11:15
Date Received: 04/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/24/20 11:28
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016610

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-06 Date Collected: 04/21/20 11:15

Client ID: SB-18, MW-06 Date Received: 04/21/20

Sample Location: 100 BUCKLEY RD SYRACUSE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	1.0	J	ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	110		70-130

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016610

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-07
Client ID: SB-20, MW-07
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/21/20 11:25
Date Received: 04/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/24/20 11:53
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016610

Project Number: 2201387 **Report Date:** 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-07 Date Collected: 04/21/20 11:25

Client ID: SB-20, MW-07 Date Received: 04/21/20

Sample Location: 100 BUCKLEY RD SYRACUSE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	12		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	2.5	J	ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	109		70-130

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016610

Project Number: 2201387 **Report Date:** 04/27/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/24/20 09:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1364681-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016610

Project Number: 2201387 **Report Date:** 04/27/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/24/20 09:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1364681-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 100 BUCKLEY RD SYRACUSE **Lab Number:** L2016610

Project Number: 2201387 **Report Date:** 04/27/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/24/20 09:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1364681-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 BUCKLEY RD SYRACUSE

Project Number: 2201387

Lab Number: L2016610

Report Date: 04/27/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1364681-3 WG1364681-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	94		96		70-130	2		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	89		90		70-130	1		20
Dibromochloromethane	96		96		63-130	0		20
1,1,2-Trichloroethane	94		96		70-130	2		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	94		87		70-130	8		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	96		93		70-130	3		20
cis-1,3-Dichloropropene	94		95		70-130	1		20
Bromoform	93		92		54-136	1		20
1,1,2,2-Tetrachloroethane	90		89		67-130	1		20
Benzene	99		100		70-130	1		20
Toluene	98		98		70-130	0		20
Ethylbenzene	99		100		70-130	1		20
Chloromethane	100		100		64-130	0		20
Bromomethane	75		79		39-139	5		20
Vinyl chloride	92		91		55-140	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 BUCKLEY RD SYRACUSE

Project Number: 2201387

Lab Number: L2016610

Report Date: 04/27/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1364681-3 WG1364681-4								
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	97		97		70-130	0		20
1,3-Dichlorobenzene	100		98		70-130	2		20
1,4-Dichlorobenzene	98		98		70-130	0		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	77		74		58-148	4		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	93		94		63-138	1		20
4-Methyl-2-pentanone	76		72		59-130	5		20
2-Hexanone	81		81		57-130	0		20
1,2-Dibromoethane	98		96		70-130	2		20
n-Butylbenzene	98		97		53-136	1		20
sec-Butylbenzene	95		95		70-130	0		20
tert-Butylbenzene	94		94		70-130	0		20
1,2-Dibromo-3-chloropropane	89		86		41-144	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 BUCKLEY RD SYRACUSE

Project Number: 2201387

Lab Number: L2016610

Report Date: 04/27/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1364681-3 WG1364681-4								
Isopropylbenzene	94		98		70-130	4		20
p-Isopropyltoluene	100		99		70-130	1		20
Naphthalene	96		95		70-130	1		20
n-Propylbenzene	95		95		69-130	0		20
1,2,4-Trichlorobenzene	99		96		70-130	3		20
1,3,5-Trimethylbenzene	95		95		64-130	0		20
1,2,4-Trimethylbenzene	96		96		70-130	0		20
Methyl Acetate	**160**	Q	**150**	Q	70-130	6		20
Cyclohexane	91		92		70-130	1		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	81		80		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	89		88		70-130
Dibromofluoromethane	103		103		70-130

SEMIVOLATILES

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016610
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-01
Client ID: SB-02, MW-01
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/21/20 09:00
Date Received: 04/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/23/20 19:54
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/22/20 15:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	68		15-120
4-Terphenyl-d14	79		41-149

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016610
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-02
Client ID: SB-04, MW-02
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/21/20 09:30
Date Received: 04/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/23/20 20:10
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/22/20 15:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Chrysene	0.01	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.03	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	73		15-120
4-Terphenyl-d14	81		41-149

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016610
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-03
Client ID: SB-06, MW-03
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/21/20 10:00
Date Received: 04/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/23/20 20:27
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/22/20 15:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.13		ug/l	0.10	0.01	1
Fluoranthene	0.90		ug/l	0.10	0.02	1
Benzo(a)anthracene	0.40		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.39		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.62		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.15		ug/l	0.10	0.01	1
Chrysene	0.43		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.16		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.27		ug/l	0.10	0.01	1
Fluorene	0.16		ug/l	0.10	0.01	1
Phenanthrene	0.66		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.07	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.31		ug/l	0.10	0.01	1
Pyrene	0.73		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	78		15-120
4-Terphenyl-d14	74		41-149

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016610
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-04
Client ID: SB-14, MW-04
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/21/20 10:30
Date Received: 04/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/23/20 20:44
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/22/20 15:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.65		ug/l	0.10	0.01	1
Fluoranthene	0.17		ug/l	0.10	0.02	1
Benzo(a)anthracene	0.12		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.07	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.07	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.14		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.04	J	ug/l	0.10	0.01	1
Fluorene	0.57		ug/l	0.10	0.01	1
Phenanthrene	0.11		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.03	J	ug/l	0.10	0.01	1
Pyrene	0.33		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	89		15-120
4-Terphenyl-d14	80		41-149

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016610
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-05
Client ID: SB-17, MW-05
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/21/20 11:00
Date Received: 04/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/23/20 21:00
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/22/20 15:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.03	J	ug/l	0.10	0.01	1
Fluoranthene	0.18		ug/l	0.10	0.02	1
Benzo(a)anthracene	0.10		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.09	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.15		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.04	J	ug/l	0.10	0.01	1
Chrysene	0.10	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.04	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.07	J	ug/l	0.10	0.01	1
Fluorene	0.03	J	ug/l	0.10	0.01	1
Phenanthrene	0.14		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.08	J	ug/l	0.10	0.01	1
Pyrene	0.16		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	74		15-120
4-Terphenyl-d14	73		41-149

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016610
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-06
Client ID: SB-18, MW-06
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/21/20 11:15
Date Received: 04/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/23/20 21:17
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/22/20 15:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	78		15-120
4-Terphenyl-d14	85		41-149

Project Name: 100 BUCKLEY RD SYRACUSE
Lab Number: L2016610
Project Number: 2201387
Report Date: 04/27/20

SAMPLE RESULTS

Lab ID: L2016610-07
Client ID: SB-20, MW-07
Sample Location: 100 BUCKLEY RD SYRACUSE

Date Collected: 04/21/20 11:25
Date Received: 04/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/23/20 21:34
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/22/20 15:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.19		ug/l	0.10	0.01	1
Fluoranthene	3.6		ug/l	0.10	0.02	1
Benzo(a)anthracene	2.0		ug/l	0.10	0.02	1
Benzo(a)pyrene	1.9		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	2.4		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.80		ug/l	0.10	0.01	1
Chrysene	1.6		ug/l	0.10	0.01	1
Acenaphthylene	0.17		ug/l	0.10	0.01	1
Anthracene	0.56		ug/l	0.10	0.01	1
Benzo(ghi)perylene	1.1		ug/l	0.10	0.01	1
Fluorene	0.23		ug/l	0.10	0.01	1
Phenanthrene	2.2		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.27		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	1.3		ug/l	0.10	0.01	1
Pyrene	3.0		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	76		15-120
4-Terphenyl-d14	72		41-149

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016610
Report Date: 04/27/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/23/20 10:42
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 04/22/20 15:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-07 Batch: WG1363563-1					
Acenaphthene	ND		ug/l	0.10	0.01
Fluoranthene	ND		ug/l	0.10	0.02
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	78		15-120
4-Terphenyl-d14	97		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387

Lab Number: L2016610
Report Date: 04/27/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-07 Batch: WG1363563-2 WG1363563-3								
Acenaphthene	79		74		40-140	7		40
Fluoranthene	84		85		40-140	1		40
Benzo(a)anthracene	86		86		40-140	0		40
Benzo(a)pyrene	91		91		40-140	0		40
Benzo(b)fluoranthene	96		95		40-140	1		40
Benzo(k)fluoranthene	86		88		40-140	2		40
Chrysene	79		83		40-140	5		40
Acenaphthylene	78		71		40-140	9		40
Anthracene	80		80		40-140	0		40
Benzo(ghi)perylene	85		87		40-140	2		40
Fluorene	81		79		40-140	3		40
Phenanthrene	77		77		40-140	0		40
Dibenzo(a,h)anthracene	88		91		40-140	3		40
Indeno(1,2,3-cd)pyrene	94		96		40-140	2		40
Pyrene	82		84		40-140	2		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	89		74		23-120
2-Fluorobiphenyl	83		85		15-120
4-Terphenyl-d14	103		102		41-149

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387

Lab Number: L2016610
Report Date: 04/27/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2016610-01A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-01B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-01C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-01D	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2016610-01E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2016610-02A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-02B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-02C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-02D	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2016610-02E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2016610-03A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-03B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-03C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-03D	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2016610-03E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2016610-04A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-04B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-04C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-04D	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2016610-04E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2016610-05A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-05B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-05C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387

Lab Number: L2016610
Report Date: 04/27/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2016610-05D	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2016610-05E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2016610-06A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-06B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-06C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-06D	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2016610-06E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2016610-07A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-07B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-07C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2016610-07D	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2016610-07E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYCP51-PAHSIM-LVI(7)

*Values in parentheses indicate holding time in days

Project Name:	100 BUCKLEY RD SYRACUSE	**Lab Number:**	L2016610
Project Number:	2201387	**Report Date:**	04/27/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	100 BUCKLEY RD SYRACUSE	**Lab Number:**	L2016610
Project Number:	2201387	**Report Date:**	04/27/20

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers

Project Name:	100 BUCKLEY RD SYRACUSE	**Lab Number:**	L2016610
Project Number:	2201387	**Report Date:**	04/27/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name: 100 BUCKLEY RD SYRACUSE
Project Number: 2201387
Lab Number: L2016610
Report Date: 04/27/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 4/22/20

ALPHA Job #: L2016610

Client Information

Client: LaBella Associates
Address: 300 State St
Rochester NY 14614
Phone: 315-243-8441
Fax:
Email: WSisco@LaBellaPC.com

Project Information

Project Name: 100 Buckley Rd Syracuse
Project Location: 100 Buckley Rd. Syracuse
Project # 2201387
(Use Project name as Project #) ☐
Project Manager: Bill Sisco
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

TCL CP 5 8270 VOCs
CP-51 SVOCs 8270

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL CP 5 8270 VOCs	CP-51 SVOCs 8270	Total Bottle
16610 01	SB-02, MW-01	04-21	9:00	GW	ET	X	X	5
02	SB-04, MW-02	04-21	9:30	GW	ET	X	X	5
03	SB-06, MW-03	04-21	10:00	GW	ET	X	X	5
04	SB-14, MW-04	04-21	10:30	GW	ET	X	X	5
05	SB-17, MW-05	04-21	11:06	GW	ET	X	X	5
06	SB-18, MW-06	04-21	11:15	GW	ET	X	X	5
07	SB-20, MW-07	04-21	11:25	GW	ET	X	X	5

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	4/21/20 15:31		
	4/21/20 1945		4/22/20 00:05

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)