Phase II
Environmental Site Assessment

Location:

Midtown Plaza

18 East Cayuga Street & 83-87East First Street

Oswego, New York 13126

Prepared for:

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LaBella Project No. 2181011

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1.0 INTRODUCTION

LaBella Associates, D.P.C. ("LaBella") was retained by SRE Midtown Garage Acquisitions LLC & SRE Midtown Acquisitions LLC to conduct a Phase II Environmental Site Assessment (ESA) at the properties located at 18 East Cayuga Street (SBL #128.47-02-04) and 83-87 East First Street (SBL #128.47-02-05), City of Oswego, Oswego County, New York, hereinafter referred to as the "Site" (see Figure 1). The Site is also known as "Midtown Plaza". 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 P1801963 dated February 20, 2018.

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 comprises approximately 2.0 acres of land and is developed with a two-story commercial building ("Site Building") and concrete parking lot. Concrete driveways, sidewalks and a courtyard surround the Site building. The Site building comprises approximately half of the property footprint.

LaBella understands that the property owner intends to demolish the existing building and redevelop the Site for a mixture of residential and commercial uses.

2.2 Physical Setting

The Site is located on 18 East Cayuga Street and 83-87 East First Street in the City of Oswego, Oswego County, New York within a predominately commercial area. Figure 1 depicts the Site location.

2.3 Site History & Land Use

According to the review of historical records and prior environmental assessments, the Site and surrounding properties appear to have been historically utilized for a mixture of residential, commercial and industrial purposes since at least the late 1800s. Refer to Section 2.5 for additional

information about environmentally relevant historical uses of the Site and surrounding properties.

The Site is currently developed with a commercial plaza which was constructed in 1966. The plaza is currently partially vacant but previously contained several commercial tenants and a two deck parking garage with the second deck at grade with East Second Street and the first deck at grade with East First Street. The second story of the parking garage was demolished in May 2015. Surrounding properties currently include various commercial properties to the north, east and south and a hotel and restaurant to the west. An automotive repair facility is also located to the east of the Site, beyond East Second Street.

2.4 Adjacent Property Use

The Site is bordered by the following properties:

Direction	Land Use
North	Commercial Buildings
South	Commercial Buildings
East	Commercial Buildings (including automotive repair)
West	Hotel and Restaurant

2.5 Summary of Previous Studies

LaBella recently reviewed a Phase II ESA completed by EMS Environmental (EMS), dated April 19, 2013 and a DRAFT Phase I ESA completed by EMS, dated February 9, 2018.

The Phase II ESA completed by EMS was limited in scope and included the advancement of eight (8) soil borings over an approximately 0.5-acre portion of the 2.00± acre property. EMS's soil boring locations are depicted on attached Figure 2. EMS's assessment included laboratory analysis of soil but *not* groundwater samples. Although laboratory analysis of soil samples did not identify targeted compounds above New York Codes, Rules and Regulations (NYCRR) Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs), evidence of impairment *was* noted in the northwestern portion of the investigation area (i.e., SB-1); however, this area was not further investigated to determine if more severe impacts are present. Furthermore, the Phase II ESA did not assess areas of the Site in proximity to environmentally relevant historical operations such as an on-site gasoline filling station, automotive repair facilities, a machine shop and an adjacent dry cleaning facility.

The DRAFT Phase I ESA completed by EMS in February 2018 identified a Recognized Environmental Condition (REC) associated with the presence of the Site in the New York State Department of Environmental Conservation's (NYSDEC's) Inactive Hazardous Waste Disposal Site database as a non-registry, Class A, State Superfund Site. Based on EMS's report and LaBella's recent conversations with NYSDEC Region 7 staff, the Site was listed in the State Superfund Program solely based on the Site's presence in the Oswego Canal Corridor Brownfield Opportunity Area (BOA) and the potential for subsurface impacts to be present. Based on this REC, EMS recommended additional investigation be completed at the Site.

In addition to the assessments completed by EMS, LaBella was also previously involved in the 2011 nomination stage of the Oswego Canal Corridor BOA, in which the Site is located. LaBella's work with the BOA project included the review of historical records including Sanborn Fire Insurance mapping. This review identified the following environmentally relevant historical operations at the Site and surrounding properties. *Refer to attached Figure 2 for approximate locations of environmentally relevant historical operations.*

- Machine shop located on the northern portion of the Site, bordering East Cayuga Street, in at least 1960;
- Two (2) automotive repair shops and one (1) gasoline filling station in the northwestern quadrant of the Site in at least 1960;
- A photography facility in the southern portion of the Site, bordering Bridge Street, in at least 1960;
- Automotive repair shops currently and historically located to the northeast of the Site, across East Second Street.
- A gasoline filling station located to the northeast of the Site, across East Second Street, in at least 1960;
- An iron foundry (including a machine shop) located to the northeast of the Site, beyond the intersection of East Second Street and East Cayuga Street from the 1800s until at least 1960; and,
- A dry cleaning facility located to the southeast of the Site, across East Second Street, in at least 1960.

Based on these historical operations and the intended future redevelopment of the Site which will include earthwork construction in the vicinity of the environmentally relevant historical operations, LaBella performed this Phase II ESA to assess for subsurface impairment.

3.0 OBJECTIVE

The objective of this Phase II ESA was to conduct an evaluation of subsurface conditions to assess for the potential presence of subsurface impacts to soil and groundwater resulting from historical usage of the Site and adjacent properties.

4.0 SCOPE OF WORK

4.1 Direct Push Soil Boring Study

1. Prior to the initiation of subsurface work, an underground utility stake-out, via *Dig Safely New York*, was completed at the Site (ticket numbers 03148-542-123 and 03148-542-122) to locate utilities in the areas where the subsurface assessment would take place.

2. A permit to complete soil borings and install monitoring wells in the right-of-way (sidewalk) adjacent to the Site was obtained from the City of Oswego prior to implementation of the direct-push soil boring study.

3. A direct push soil boring and sampling program of the overburden at the Site was implemented at the Site on March 20, 2018 and March 21, 2018. Soil borings were advanced with a track-mounted Geoprobe® Systems Model 54-LT direct-push sampling system. The Geoprobe used a 4-ft MacroCore® sampler with disposable polyethylene sleeves. The MacroCore® sampling system was decontaminated between boring locations using an Alconox® and potable water solution. A total of thirteen (13) soil borings were advanced at the Site at this time to depths ranging from 2.5 to 16.0 feet below ground surface (ft-bgs).

Soil boring locations are depicted on Figure 2.

4. A geotechnical boring program of overburden and shallow bedrock was advanced at the Site on April 16 through April 20, 2018. Soil borings were advanced by Atlantic Testing Laboratories (ATL) with a track-mounted Geoprobe® Systems Model 7822 direct-push automatic drop hammer. A LaBella Geotechnical Engineering Evaluation completed for the Site will be submitted under separate cover. Geotechnical soil boring locations are depicted on Figure 2.

5. 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 MiniRae 3000® photo-ionization detector (PID). Positive indications from any of these screening methods are collectively referred to as "evidence of impairment." A Community Air Monitoring Program (CAMP) was established during subsurface work at the Site using a MiniRae 3000® PID and TSI DustTrak® Aerosol Monitor. All CAMP activity was completed in accordance with The New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan. No fugitive dust was observed at the Site during subsurface work. CAMP data will be kept on file at LaBella and is available upon request.

6. Four (4) soil borings were converted to temporary overburden groundwater monitoring wells. The wells were completed with 5-ft or 10-ft of 0.010-inch slotted well screen connected to an appropriate length of solid PVC well riser to complete the well. The annular area was sand packed with quartz sand to a nominal depth of 1-ft above the screen section. A 1-ft bentonite seal was placed above the sand pack to prohibit surface water intrusion. A flush-mounted high density polyethylene curb box was installed in each well advanced in the City of Oswego right-of-ways.

7. Soil samples were placed in a cooler on ice and sent under standard chain of custody procedures to Alpha Analytical Laboratory (Alpha) in Westborough, Massachusetts and ESC Lab Sciences (ESC) in Mt. Juliet, Tennessee. The following laboratory analyses were performed:

   a. Soil

Sample ID	Exploration Location	Sample Depth (ft bgs)	Laboratory Analyses
LBA-SB-04	Planter proximate exterior staircase	2.0-3.7	- USEPA CP-51 List SVOCs - RCRA Metals
LBA-SB-06	Northwestern sidewalk between the Site Building and the parking lot	2.0-4.0	
B-1	Proximate southwest corner of Site Building	1.5-2.0	
B-3	Parking lot proximate entrance/exit on East First Street	1.0-2.0	
B-4	Parking lot north of former photographic operations	8.0-8.5	
P-2	Planter proximate southeast corner of Site Building	1.0-2.0	
P-3	Southeastern area of parking lot	1.0-3.0	
LBA-SB-02	Southeast of parking lot, proximate former dry cleaning operations	4.0-5.0	- USEPA TCL and CP-51 List VOCs
LBA-SB-08	Central hallway of Site Building	8.0-8.4	

Sample ID	Exploration Location	Sample Depth (ft bgs)	Laboratory Analyses
LBA-SB-10	Central west sidewalk next to Site Building	9.0-10.0	
LBA-SB-13	Northeast of Site Building, proximate current and former automotive repair	14.0-15.0	

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. Resource Conservation and Recovery Act (RCRA) Metals analysis performed via USEPA Method 6010/7470.

b. Groundwater

Sample ID	Exploration Location	Screened Interval (ft bgs)	Laboratory Analyses
MW-01	Southeast corner of the parking lot	1.2-6.2	- USEPA TCL and CP-51 List VOCs
MW-02	Northwest corner of the parking lot	6.0-16.0	
MW-03	Sidewalk to southwest of Main Building	6.3-11.3	
MW-04	Sidewalk to northeast Main Building	5.5-15.5	

5.0 FINDINGS

5.1 Site Geology and Hydrology

Thirteen (13) soil borings were advanced at the Site on March 20, 2018 and March 21, 2018, designated LBA-SB-01 through LBA-SB-13. The borings were advanced to equipment refusal. Terminal depths of the borings ranged from approximately 2.5 to 16.0-ft bgs.

Eight (8) geotechnical soil borings were advanced at the Site on April 16 through April 20, 2018, and were designated P-1 through P-4 and B-1 through B-4. Borings P-2 and B-2 were extended approximately 10-ft into the top of bedrock while the remaining geotechnical borings were advanced to top of bedrock or 10-ft into structurally competent soil. Bedrock encountered at the Site was a gray, slightly weathered Oswego sandstone. Rock quality designations (RQDs) in the top 5-ft of rock were calculated between 47% and 48% while RQDs in the 5-ft to 10-ft into rock interval were between 80% and 83%. Based on the results of the March 2018 soil boring program, additional environmental samples were obtained from select geotechnical borings. A LaBella Geotechnical Engineering Evaluation will be submitted under separate cover.

Of the 21 soil borings advanced at the Site, only two (2) were advanced within the Site building due to access limitations in certain tenant spaces. As such, subsurface conditions in the immediate vicinity of the former automotive repair facilities and gasoline filling station located on the northwestern portion of the Site could not be fully assessed. Borings advanced hydraulically down-gradient of the former automotive repair facilities and gasoline filling station did encounter evidence of apparent petroleum impairment in the field (see below for more information).

Soils at the Site consisted generally of tightly packed red-brown to grey, fine to very coarse sand and lesser amounts of angular to sub-rounded, medium to coarse gravel. A surface layer of sand and gravel-based urban fill was commonly encountered Site-wide and included fragments of concrete, bricks, ash, glass, cinders and wood debris. The greatest thickness of urban fill material was generally observed in the courtyard immediately south of the Site building. A large deposit of apparent cinders and glass mixture was encountered in soil boring LBA-SB-06, proximate the southwest corner of the Site Building at a depth range of 2-ft to 6-ft bgs. Underlying the fill materials was dense, red to grey lodgement till with varying amounts of sands, silts and clays. Shallow refusal was met on dense tills on the western portion of the Site, proximate the former automotive repair facility. Apparent grey to black staining was observed in fill materials encountered in soil borings LBA-SB-04 and LBA-SB-07 at depth ranges of 1.7 to 3.7-ft bgs and 1.0 to 2.5-ft bgs. Grey petroleum staining was observed in apparent native soil encountered in soil boring LBA-SB-10 at a depth range of 9.2 to 12.9-ft bgs and in boring LBA-SB-13 at a depth of 14 to 15-ft bgs.

All soil cores were continuously assessed by a LaBella Environmental Geologist or Engineer for soil type and evidence of impairment. Elevated PID readings were observed in soil borings advanced in the vicinity of the on-Site former automotive repair/gasoline filling station and the southeastern adjacent former dry cleaner. Refer to Section 5.2 for additional information regarding field screening results.

Four (4) temporary overburden groundwater monitoring wells (designated as MW-01 through MW-04) were installed at the Site within soil borings LBA-SB-01, LBA-SB-05, LBA-SB-10, and LBA-SB-13 respectively. The wells were completed with 5.0-ft or 10.0-ft of 0.010-inch slotted screen below PVC risers, to respective depths of 6.2-ft bgs, 16.0-ft bgs, 11.3-ft bgs, and 15.5-ft bgs. The areas surrounding the wells were filled with quartz sand to a nominal depth of 1-ft above the screen section. A 1-ft bentonite seal was placed above the sand pack.

Groundwater was generally encountered in the wells between depths of 6.5-ft and 11.0-ft bgs, with deeper groundwater observed on the northern portion of the Site. Although a groundwater elevation study was not completed as part of this Phase II ESA, based on the presence of the Oswego River approximately 250-ft to the west-northwest and Lake Ontario approximately 0.5-miles to the northwest of the Site, groundwater flow at the Site is anticipated to be to the northwest.

Soil boring and monitoring well locations are shown on Figure 2. Copies of the Soil Boring and Monitoring Well Logs are included in Appendix 1.

5.2 Field Screening Results

The table below summarizes PID readings obtained at various depth intervals from the soil borings:

Test Boring/Well Summary and Soil PID Readings

Test Boring ID	Well Number	Sample Interval (depth in ft)								
		0-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16	16-20+
LBA-SB-01	MW-01	0.0	0.0	1.0	--	--	--	--	--	--
LBA-SB-02	--	7.9	27.4*	6.06	1.7	5.0	--	--	--	--
LBA-SB-03	--	0.0	0.0	0.0	0.0	0.0	--	--	--	--
LBA-SB-04	--	0.0	0.0*	--	--	--	--	--	--	--
LBA-SB-05	MW-02	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	--

Test Boring ID	Well Number	Sample Interval (depth in ft)								
		0-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16	16-20+
LBA-SB-06	--	0.0	0.0*	0.0	0.0	0.0	0.0	--	--	--
LBA-SB-07	--	0.0	--	--	--	--	--	--	--	--
LBA-SB-08	--	0.0	0.0	0.0	0.0	0.0*	--	--	--	--
LBA-SB-09	--	0.0	0.0	0.0	0.0	--	--	--	--	--
LBA-SB-10	MW-03	0.0	0.4	0.0	0.0	0.0*	42.9	24.5	--	--
LBA-SB-11	--	0.0	0.0	0.0	0.0	--	--	--	--	--
LBA-SB-12	--	0.0	0.0	0.0	0.0	0.0	0.0	--	--	--
LBA-SB-13	MW-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0*	--
B-1	--	Not Applicable								
B-2	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B-3	--	Not Applicable								
B-4	--	Not Applicable								
P-1	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P-2	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P-3	--	Not Applicable								
P-4	--	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Notes:

1. *All PID readings were collected utilizing a MiniRae 3000 PID and are expressed in parts per million (ppm).*
2. *The PID screening is performed as a method of determining general presence or absence 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 VOCs in the soil, and are not considered to be a direct quantification of actual soil VOC concentrations.*
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.*

5.3 Laboratory Analytical Results

5.3.1 Soil

A total of eleven (11) soil samples were selected for laboratory analysis, as summarized in the table in Section 4.0. Soil results were compared to NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs), Restricted Residential SCOs (based on anticipated future use of the Site) and Protection of Groundwater SCOs. Soil data are summarized below and on attached Figure 3 and Tables 1 and 2.

VOCs

VOCs were detected above laboratory method detection limits (MDLs) in all soil samples submitted for VOC analysis. However, two (2) VOCs, acetone and methylene chloride, were detected at concentrations exceeding Unrestricted Use and Protection of Groundwater SCOs from sample LBA-SB-10 (9-10 ft bgs). Additional VOCs detected in the remaining samples did not exceed applicable NYSDEC comparison criteria.

SVOCs

SVOCs were detected above laboratory MDLs in five (5) of six (6) soil samples submitted for analysis. Several SVOCs were identified in samples obtained from soil borings LBA-SB-04, B-3, B-4 and P-3 at concentrations above NYCRR Part 375-6.8(a) Unrestricted Use SCOs and Protection of Groundwater SCOs. Additionally, elevated concentrations of several SVOCs were

identified above NYCRR Part 375-6.8(b) Restricted Residential Use SCOs in the samples obtained from LBA-SB-04 (2.0 to 3.7-ft bgs), B-4 (8.0 to 8.5-ft bgs) and P-3 (1.0 to 3.0-ft bgs). In these "worst case" samples, two (2) semivolatiles, benzo(a)pyrene and dibenz(a,h)anthracene were identified in exceedance of NYCRR Part 375-6.8(b) Industrial Use SCOs.

Metals

Heavy metals were detected above laboratory MDLs in all soil samples submitted for analysis. Metals were identified in all samples at concentrations above NYCRR Part 375-6.8(a) Unrestricted Use SCOs, with the exception of P-2. Additionally, two (2) metals, mercury and lead, were identified above NYCRR Part 375-6.8(b) Restricted Residential Use SCOs in the samples obtained from LBA-SB-04 (2.0 to 3.7-ft bgs), B-4 (8.0 to 8.5-ft bgs), and P-3 (1.0 to 3.0-ft bgs). Lead and mercury were identified as high as 704 mg/kg and 3.64 mg/kg, respectively, in sample LBA-SB-04.

Soil data is further summarized in Tables 1 and 2. Laboratory reports are attached in Appendix 2.

5.3.2 Groundwater

A total of four (4) groundwater samples were selected for laboratory analysis, as summarized in the table in Section 4.0. Groundwater results were compared to NYCRR Part 703 Groundwater Quality Standards. Groundwater data is summarized below and on attached Figure 3 and in Table 3:

VOCs

VOCs were detected above laboratory MDLs in all groundwater samples submitted for analysis. Select VOCs were identified in exceedance of NYCRR Part 703 Groundwater Quality Standards in two (2) of the four (4) groundwater samples obtained from wells installed at the Site.

Specifically, samples obtained from wells MW-01 and MW-02 identified concentrations of chlorinated VOCs including tetrachlorethene (PCE), trichlorethene (TCE), cis-1,2-dichloroethene and vinyl chloride above NYCRR standards. PCE is commonly utilized in dry cleaning operations and the other chlorinated VOCs are typical breakdown products of PCE.

Total VOC concentrations were detected at 384.37 ug/L in well MW-01 (located in the southeastern corner of the Site) and 39.4 ug/L in well MW-02 (located in the western-central portion of the Site). A dry cleaning facility was formerly located adjacent to the southeast of the Site (refer to Figure 2).

Groundwater data is further summarized in Table 3. Laboratory reports are attached in Appendix 2.

6.0 CONCLUSIONS

LaBella Associates, D.P.C. ("LaBella") was retained by SRE Midtown Garage Acquisitions LLC & SRE Midtown Acquisitions LLC to conduct a Phase II ESA at the property located at Midtown Plaza, 18 East Cayuga Street and 83-87 East First Street, in the city of Oswego, Oswego County, New York. The ESA consisted of the advancement of 21 soil borings (including eight (8) geotechnical borings) and installation of four (4) temporary groundwater monitoring wells. This ESA was performed to evaluate the Site subsurface based on the historical uses of the Site and several surrounding properties.

- Chlorinated VOCs including PCE and breakdown constituents were identified in groundwater samples obtained from wells MW-01 and MW-02 at concentrations above NYS groundwater standards. These wells were installed on the southeastern and western-central portions of the Site, respectively. Total VOC concentrations in well MW-01 were an order of magnitude higher than those installed in MW-02. PCE is commonly utilized in dry cleaning operations and there was a dry cleaning facility located adjacent to the southeast of the Site in at least 1960 (refer to Figure 2). Based on the distribution of contamination and the apparent flow of groundwater to the northwest, towards the Oswego River and Lake Ontario, the CVOC impacts identified in groundwater appear to be migrating to (and across) the Site from the former adjacent dry cleaning facility.
- Several SVOCs and metals were detected at concentrations above NYCRR Part 375 Restricted Residential SCOs (and in several cases, above Industrial Use SCOs). The samples in which elevated concentrations of SVOCs and metals were detected generally contained a mixture of soil and urban fill including ash, cinders, etc. The highest levels of contamination were identified in the courtyard immediately south of the Site building and in the southeastern and southwestern portions of the Site parking lot. Note that additional soil borings were not able to be advanced immediately north of the courtyard due to access limitations in that portion of the Site building.

  SVOCs detected at elevated concentrations generally included polyaromatic hydrocarbons (PAHs). Metals detected at elevated concentrations included arsenic, chromium, lead and mercury. Although samples were not analyzed via toxicity characteristic leaching procedure (TCLP), several compounds (including lead and mercury) were identified at concentrations high enough that leaching of these chemicals from the soil into groundwater could occur. Note that groundwater samples were not analyzed for metals or SVOCs as part of this Phase II ESA.
- Petroleum-related compounds (e.g., benzene, ethylbenzene, naphthalene, etc.) were identified at concentrations below NYCRR SCOs but above laboratory MDLs in several soil samples and one (1) groundwater sample collected at the Site. Furthermore, evidence of petroleum impairment (i.e., elevated PID readings, staining and/or odors) was observed in several soil borings, particularly along the periphery of the former automotive repair and gasoline filling station. The footprint of those historical facilities is currently within the footprint of the Site building and due to access limitations, subsurface conditions in that area could not be directly evaluated. Based on historical operations in this area of the Site, the potential for petroleum underground storage tanks (USTs) to have been utilized and the presence of low-level petroleum impacts in locations hydraulically down-gradient of this area, petroleum impacts above SCOs and groundwater standards and potentially orphan USTs could be present beneath the western portion of the Site building.

7.0 RECOMMENDATIONS

Based on the substantial concentrations of select heavy metals and PAHs in multiple locations at the Site, LaBella recommends remediation of this material be completed to prevent potential leaching and migration of these compounds into groundwater. Although human health exposure issues do not currently appear to exist based on the lack of use of groundwater for potable purposes in the City of Oswego, the close proximity of the Site to the Oswego River and Lake Ontario represents a potential risk to the environment.

In addition to the remediation of the heavy metal and PAHs impacts, LaBella recommends additional investigation be completed at the Site to assess the following:

- Extent of heavy metal, PAH and petroleum impacts at the Site, including within the footprint of the Site building;
- Concentrations of heavy metal and PAH impacts in groundwater, particularly in areas where substantial soil impacts were identified;
- Extent of CVOC impacts which appear to be emanating from the southeastern adjacent property. These investigation tasks should include soil vapor intrusion testing within the Site building and potentially soil gas testing in the parking lot where the future building is anticipated to be constructed.

Based on the impacts identified at the Site and associated recommendations as well as the Site's presence on the NYSDEC's State Superfund Registry, LaBella also recommends that the NYSDEC be contacted to discuss the findings of this report as well as potential eligibility in the NYSDEC's Brownfield Cleanup Program (BCP).

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 By:

Steven Rife
Environmental Geologist

Report Reviewed By:

Jennifer Gillen, P.G.
Project Manager

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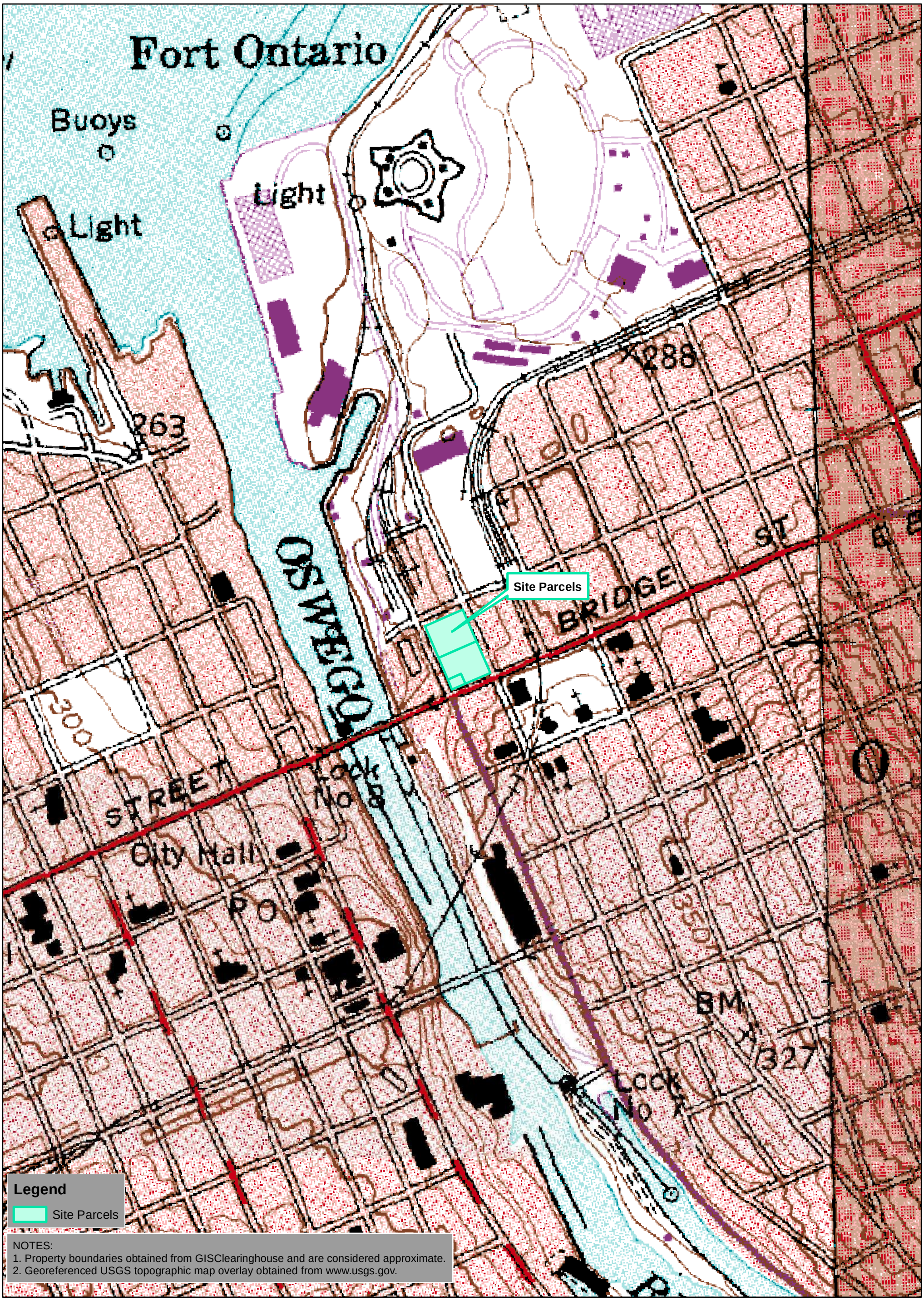
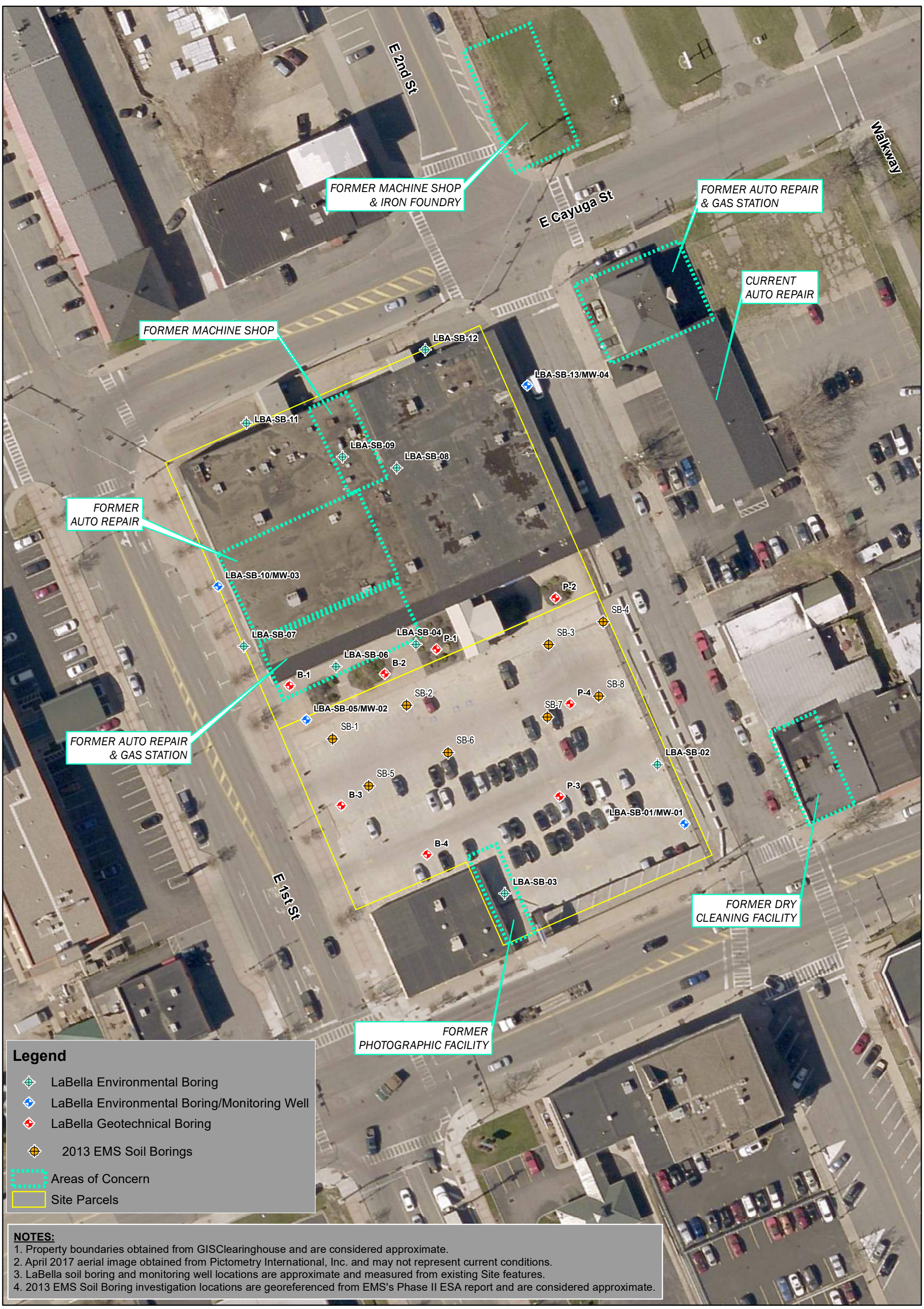
FIGURES



PROJECT #/DRAWING #	DRAWING NAME:	CLIENT:	
2181011 FIGURE 1	SITE LOCATION MAP	SRE MIDTOWN GARAGE ACQUISITIONS LLC AND SRE MIDTOWN ACQUISITIONS LLC PROJECT: PHASE II ESA MIDTOWN PLAZA OSWEGO, NEW YORK	N W E S 0 300 600 Feet 1 inch = 500 feet INTENDED TO PRINT AS: 11" X 17" LaBella Powered by partnership.

Path: J:\SRE Midtown Garage\2181011 - 18 E Cayuga St 83-87 E 1st St Ph II\Drawings\Figure 1 - Site Location Map - 2181011.mxd



NOTES:
1. Property boundaries obtained from GISClearinghouse and are considered approximate.
2. April 2017 aerial image obtained from Pictometry International, Inc. and may not represent current conditions.
3. LaBella soil boring and monitoring well locations are approximate and measured from existing Site features.
4. 2013 EMS Soil Boring investigation locations are georeferenced from EMS's Phase II ESA report and are considered approximate.

PROJECT #/DRAWING #

2181011

FIGURE 2

DRAWING NAME:

TESTING LOCATIONS

CLIENT:
SRE MIDTOWN GARAGE ACQUISITIONS LLC AND SRE MIDTOWN ACQUISITIONS LLC

PROJECT:
PHASE II ESA
MIDTOWN PLAZA
OSWEGO, NEW YORK

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Feet

1 inch = 60 feet
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Path: J:\SRE Midtown Garage\2181011 - 18 E Cayuga St 83-87 E 1st St Ph II\Drawings\Figure 2 - Testing Locations - 2181011_V2.mxd

E 2nd St

FORMER MACHINE SHOP & IRON FOUNDRY

LBA-SB-13 (14-15')
Date Sampled: (3/22/2018)
VOCs
Naphthalene 18

E Cayuga St

FORMER AUTO REPAIR & GAS STATION

LBA-SB-06 (2-4')
Date Sampled: (3/21/2018)
Metals
Barium 172
Chromium, trivalent *30.3*

E 3rd St

LBA-SB-12

FORMER MACHINE SHOP

LBA-SB-13/MW-04

LBA-SB-11

LBA-SB-09

LBA-SB-08

CURRENT AUTO REPAIR

Walkway

LBA-SB-04 (2-3.7')
Date Sampled: (3/21/2018)
Metals
Arsenic *14.6*
Barium 195
Chromium, trivalent *76.4*
Lead ***704***
Mercury ***3.64***
SVOCs
Benzo(a)anthracene ***7.4***
Benzo(a)pyrene ***6.6***
Benzo(b)fluoranthene ***8.7***
Benzo(k)fluoranthene ***3.1***
Chrysene ***7.6***
Dibenzo(a,h)anthracene ***1.1***
Indeno(1,2,3-cd)pyrene ***5.6***

FORMER AUTO REPAIR

LBA-SB-10 (9-10')
Date Sampled: (3/22/2018)
VOCs
Acetone *0.27 J*
Methylene chloride 0.18 J

LBA-SB-10/MW-03

P-2

LBA-SB-07

LBA-SB-06

LBA-SB-04

P-1

FORMER AUTO REPAIR & GAS STATION

B-2

B-1

P-4

LBA-SB-05/MW-02

LBA-SB-02

B-1 (1.5-2')
Date Sampled: (4/18/2018)
Metals
Barium 104
Mercury *0.285*

B-3

P-3

LBA-SB-01/MW-01

B-4

FORMER DRY CLEANING FACILITY

LBA-SB-03

MW-02 (6-16')
Date Sampled: 3/22/2018
VOCs
cis-2,1-Dichloroethene 0.012
Tetrachloroethene 0.014
Trichloroethene 0.079

MW-01 (1.2-6.2')
Date Sampled: 3/22/2018
VOCs
cis-2,1-Dichloroethene 0.150
Tetrachloroethene 0.160
Trichloroethene 0.024
Vinyl chloride 0.024

B-3 (1-2')
Date Sampled: (4/19/2018)
Metals
Mercury *0.404*
SVOCs
Benzo(k)fluoranthene *0.0996*

FORMER PHOTOGRAPHIC FACILITY

E Bridge St

Canal View Dr

B-4 (8-8.5')
Date Sampled: (4/20/2018)
Metals
Barium 155
Lead *376*
Mercury ***3.52***
SVOCs
Benzo(a)anthracene *2.15*
Benzo(a)pyrene ***1.91***
Benzo(b)fluoranthene ***2.16***
Benzo(k)fluoranthene *0.953*
Chrysene *2.32*
Indeno(1,2,3-cd)pyrene ***1.01***

P-3 (1-3')
Date Sampled: (4/20/2018)
Metals
Barium 135
Lead ***463***
Mercury ***1.06***
SVOCs
Benzo(a)anthracene ***3.85***
Benzo(a)pyrene ***2.64***
Benzo(b)fluoranthene ***3.49***
Benzo(k)fluoranthene *0.991*
Chrysene ***4.03***
Dibenzo(a,h)anthracene ***0.503***
Indeno(1,2,3-cd)pyrene ***1.38***

E 1st St

E Oneida St

Legend

- Environmental Boring March 2018
- Environmental Boring/Monitoring Well
- Geotechnical Boring April 2018
- Areas of Concern
- Site Parcels

NOTES:

1. Property boundaries obtained from GISClearinghouse and are considered approximate.
2. April 2017 aerial image obtained from Pictometry International, Inc. and may not represent current conditions.
3. LaBella soil boring and monitoring well locations are approximate and measured from existing Site features.
4.) Values in *ITALICS* represent concentrations exceeding thier respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)
5.) Values in **BOLD** represent concentrations exceeding their respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO.
6.) Values in BLUE represent concentrations exceeding their respective NYCRR Part 375-6.8(b) Protection of Groundwater SCO.
7.) Values in RED represent concentrations exceeding their respective 6 NYCRR Part 703 Groundwater Quality Standard.
8.) All concetrations are represented in (mg/kg) or parts per million (ppm).

PROJECT #/DRAWING #

2181011

FIGURE 3

DRAWING NAME:

SUMMARY OF SOIL & GROUNDWATER DATA ABOVE NYS STANDARDS

CLIENT:

SRE MIDTOWN GARAGE ACQUISITIONS LLC AND SRE MIDTOWN ACQUISITIONS LLC

PROJECT:

PHASE II ESA
MIDTOWN PLAZA
OSWEGO, NEW YORK

N
W E
S

0 40 80
Feet

1 inch = 40 feet

INTENDED TO PRINT AS: ANSI D

LaBella
Powered by partnership.

Path: J:\SRE Midtown Garage\2181011 - 18 E Cayuga St 83-87 E 1st St Ph II\Drawings\Figure 3 - Soil & Groundwater Impacts - 2181011_V2.mxd

TABLES

Table 1
Phase II Environmental Site Assessment
Midtown Plaza, 18 East Cayuga Street and 83-87 East First Street, Oswego, New York
Summary of Detected Volatiles in Soil

Sample ID:	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Restricted Residential SCOs	NYCRR Part 375 Protection of Groundwater SCOs	LBA-SB-02	LBA-SB-08	LBA-SB-10	LBA-SB-13
Sample Depth:				4-5 ft bgs	8-8.4 ft bgs	9-10 ft bgs	14-15 ft bgs
Sample Date:				3/21/2018	3/22/2018	3/22/2018	3/22/2018
Volatile Organic Compounds							
1,2,4-Trimethylbenzene	3.6	52	3.6	<0.0056	<0.00019	<0.0096	**0.058** J
1,3,5-Trimethylbenzene	8.4	52	8.4	<0.0056	<0.00014	<0.0083	**0.026** J
Acetone	0.05	100	0.5	**0.0034** J	**0.0029** J	**0.27** J	<0.028
Benzene	0.06	4.8	0.06	**0.0003** J	<0.00017	<0.01	<0.024
Bromomethane	NL	NL	NL	<0.0022	<0.0003	**0.032** J	<0.042
cis -1,2-Dichloroethene	0.25	100	0.25	**0.016**	<0.0003	<0.018	<0.042
Ethylbenzene	1	41	1	<0.0011	<0.00015	<0.0088	**0.04** J
Methylene chloride	0.05	100	0.05	<0.0018	<0.0015	***0.18*** J	<0.2
Naphthalene	NL	100	12	**0.00016** J	<0.00012	**0.14** J	***18***
p-Isopropyltoluene	NL	NL	NL	<0.0011	<0.00018	<0.01	**0.037** J
sec-Butylbenzene	11	100	11	<0.0011	<0.00019	**0.012** J	<0.027
Tetrachloroethene	1.3	19	1.3	**0.038**	<0.00027	<0.016	<0.037
Toluene	0.7	100	0.7	<0.00022	**0.0002** J	<0.01	<0.024
Trichloroethene	0.47	21	0.47	**0.029**	<0.00027	<0.016	<0.037
Total VOCs	NL	NL	NL	**0.0869**	**0.0031**	**0.6340**	**18.1610**

NOTES:
All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm).
Bold type indicates the analyte was detected above laboratory MDLs.
Italic type indicates the detected concentration exceeds NYCRR Part 375-6.8(b) Protection of Groundwater Soil Cleanup Objective (SCO).
Yellow highlight indicates the detected concentration exceeds NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO).
Red font indicates the detected concentration exceeds NYCRR Part 375-6.8(b) Restricted Residential Soil Cleanup Objective (SCO).
VOCs analyzed by USEPA Method 8260.
J indicates estimated value.
NL indicates not listed.
"<" - Indicates compound was not detected above the indicated laboratory method detection limit (MDL).

Table 2
Phase II Environmental Site Assessment
Midtown Plaza, 18 East Cayuga Street and 83-87 East First Street, Oswego, New York
Summary of Semivolatiles and Metals in Soil

Sample ID:	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Restricted Residential SCOs	NYCRR Part 375 Protection of Groundwater SCOs	LBA-SB-04	LBA-SB-06	B-1	B-3	B-4	P-2	P-3
Sample Depth:				2-3.7 ft bgs	2-4 ft bgs	1.5-2 ft bgs	1-2 ft bgs	8-8.5 ft bgs	1-2 ft bgs	1-3 ft bgs
Sample Date:				3/21/2018	3/21/2018	4/18/2018	4/19/2018	4/20/2018	4/18/2018	4/20/2018
Metals										
Arsenic	13	16	16	***14.6***	**2.98**	<2.29	**2.85**	**7.82**	**2.48**	**6.26**
Barium	350	400	47	***195***	**1.72**	***104***	**42.6**	***155***	**38.7**	***135***
Cadmium	2.5	4.3	7.5	**0.99**	**1.12**	<0.572	<0.551	**2.43**	<0.554	<0.587
Chromium, trivalent	30	180	NL	**76.4**	**30.3**	**19.3**	**9.81**	**13.3**	**11.5**	**12.8**
Lead	63	400	450	***704***	**1.14** J	**27**	**14.5**	**376**	**9.99**	***463***
Mercury	0.18	0.81	0.73	***3.64***	**0.041** J	**0.285**	**0.404**	***3.52***	**0.0383** B	***1.06***
Silver	2	180	8.3	**0.448** J	<0.117	<1.14	<1.1	<1.22	<1.11	<1.17
Semivolatile Organic Compounds										
Acenaphthene	20	100	98	**0.32**	<0.019	<0.00686 J5	**0.0529**	**0.356**	<0.00665	**1.33**
Acenapthylene	100	100	107	**2.1**	<0.028	**0.0109**	**0.0133**	**0.401**	<0.00665	**0.49**
Anthracene	100	100	1,000	**2.3**	<0.035	**0.0227** J5	**0.118**	**0.79**	<0.00665	**1.79**
Benzo(a)anthracene	1	1	1	***7.4***	<0.020	**0.0505** J5	**0.236**	***2.15***	**0.00852**	***3.85***
Benzo(a)pyrene	1	1	22	***6.6***	<0.044	**0.0479** J5	**0.197**	***1.91***	**0.00754**	***2.64***
Benzo(b)fluoranthene	1	1	1.7	***8.7***	<0.030	**0.06** J5	**0.22**	***2.16***	**0.01**	***3.49***
Benzo(g,h,i)perylene	100	100	1,000	**5.1**	<0.021	**0.0331**	**0.125**	**1.04**	<0.00665	**1.46**
Benzo(k)fluoranthene	0.8	1	1.7	***3.1***	<0.029	**0.0209**	**0.0996**	**0.953**	<0.00665	**0.991**
Chrysene	1	3.9	1	***7.6***	<0.019	**0.0482** J5	**0.207**	***2.32***	**0.0859**	***4.03***
Dibenz(a,h)anthracene	0.33	0.33	1,000	***1.1***	<0.021	**0.0114**	**0.0319**	**0.291**	<0.00665	***0.503***
Fluoranthene	100	100	1,000	**15**	<0.021	**0.102** J5	**0.583**	**5.29**	**0.0198**	**8.87**
Fluorene	30	100	386	**0.71**	<0.017	**0.00691** J5	**0.0536**	**0.502**	<0.00665	**1.38**
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	***5.6***	<0.025	**0.0316**	**0.117**	***1.01***	<0.00665	***1.38***
Phenanthrene	100	100	1,000	**8.3**	<0.022	**0.0689** J5	**0.527**	**4.49**	**0.00736**	**11.4**
Pyrene	100	100	1,000	**12**	<0.018	**0.083** J5	**0.456**	**4.15**	**0.0154**	**6.88**

NOTES:
All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm).
Bold type indicates the analyte was detected above laboratory MDLs.
Italic type indicates the detected concentration exceeds NYCRR Part 375-6.8(b) Protection of Groundwater Soil Cleanup Objective (SCO).
Yellow highlight indicates the detected concentration exceeds NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO).
Red font indicates the detected concentration exceeds NYCRR Part 375-6.8(b) Restricted Residential Soil Cleanup Objective (SCO).
Metals analyzed by USEPA Method 6010/7471
SVOCs analyzed by USEPA Method 8270.
B indicates same analyte was found in the associated blank.
J indicates estimated value.
J5 indicates sample matrix interfered with the ability to make any accurate determination; spike value is high.
NL indicates not listed.
"<" - Indicates compound was not detected above the indicated laboratory method detection limit (MDL).

Table 3
Phase II Environmental Site Assessment
Midtown Plaza, 18 East Cayuga Street and 83-87 East First Street, Oswego, New York
Summary of Detected Volatiles in Groundwater

Sample ID:	NYCRR Part 703 Groundwater Quality Standards	MW-01	MW-02	MW-03	MW-04
Screened Interval:		1.2-6.2 ft bgs	6-16 ft bgs	6.3-11.3 ft bgs	5.5-15.5 ft bgs
Sample Date:		3/21/2018	3/22/2018	3/22/2018	3/22/2018
Volatile Organic Compounds					
2-Butanone	NL	**6.2** J	<1.9	<4.8	<1.9
2-Hexanone	50*	**3.1** J	<1.0	<2.5	<1.0
Acetone	50*	**14**	**4.3** J	**11** J	**2.6** J
Benzene	1	**0.67** J	<0.16	<0.4	<0.16
cis-1,2-Dichloroethene	5	**150**	**12**	<1.8	<0.7
Tetrachloroethene	5	**160**	**14**	<0.45	<0.18
trans-1,2-Dichloroethene	5	**2.4** J	<0.70	<1.8	<0.7
Trichloroethene	5	**24**	**7.9**	<0.44	<0.18
Vinyl chloride	2	**24**	**1.2**	<0.18	<0.7
VOC Totals	NL	384.37	39.4	11	2.6

NOTES:
All values displayed in micrograms per liter (µg/L) or parts per billion (ppb).
Bold type indicates the analyte was detected above laboratory MDLs.
Yellow highlight indicates the detected concentration exceeds NYCRR Part 703 Groundwater Quality Standard.
* indicates no Part 703 Standard, guidance value substituted.
VOCs analyzed by USEPA Method 8260.
J indicates estimated value.
NL indicates not listed.
"<" - Indicates compound was not detected above the indicated laboratory method detection limit (MDL).

APPENDIX 1

Field Logs

LaBella
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300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Geoprobe® Overburden Soil Sampling
Midtown Plaza, Oswego, New York
Client: SRE Midtown Garage, LLC and SRE Midtown Acquisitions, LLC

BORING: LBA-SB-01
SHEET 1 OF 13
JOB: 2181011
CHKD BY: SMR
DATE:

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:	Southeast Corner of Site	TIME:	8:30am TO	
DRILLER:	D. Hitchcock	GROUND SURFACE ELEVATION	NA	DATUM:	NA	
LABELLA REPRESENTATIVE:	S. Rife	START DATE: 3/20/18	END DATE: 3/20/18	WEATHER:	Partly Cloudy, 28°F	

TYPE OF DRILL RIG: Geoprobe® 54-LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: ~1.8"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				Concrete Core		
			0.7'	Brown C SAND, wet (from concrete coring)		
1			1.6'		0.0 ppm	Appears to be Native
2	0.7' - 4.0'/ 2.8'			Red-brown VC SAND and F to VC SR to R GRAVEL, moist, no odor	0.0 ppm	
3					0.0 ppm	
4			4.0'		0.0 ppm	
5	4.0' - 6.0'/ 4.0'	LBA-SB-01 4' - 5'		Red-brown SANDY TILL, little SILT, little SA to R F to VC GRAVEL, dense, tightly-packed, no odor, damp/dry	1.0 ppm	
6					0.4 ppm	
7				Refusal at 6.2 ft-bgs due to Dense tightly-packed red TILL		
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	Well installed (LBA-MW-01) to 6.2 ft-bgs; 5 ft-bgs SAND, 1 ft-bgs Bentonite
			NA	6.2'	NA	

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

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Geoprobe® Overburden Soil Sampling
Midtown Plaza, Oswego, New York
Client: SRE Midtown Garage, LLC and SRE Midtown Acquisitions, LLC

BORING: LBA-SB-02
SHEET 2 OF 13
JOB: 2181011
CHKD BY: SMR
DATE:

CONTRACTOR: LaBella Env. LLC
DRILLER: D. Hitchcock
LABELLA REPRESENTATIVE: S. Rife
BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE: 3/20/18 END DATE: 3/20/18
TIME: 0945 TO 1100
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe® 54-LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: ~1.8"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				Concrete Core	1.4 ppm	
1	0.42' - 4.0' / 3.1'		0.42'	Brown VC SAND and FR FILL GRAVEL, wet, no odor	5.3 ppm	
2			1.5'	Red SANDY TILL, little M to C SA to SR GRAVEL, tightly-packed, dense, damp	7.9 ppm	
3					13.5 ppm	
4					27.4 ppm	
5	4' - 8' / 4.0'	LBA-SB-02, 4' - 5' VOCs	4.5'	AA, very dense, little SILT, trace of CLAY	6.6 ppm	
6					1.7 ppm	
7					0.0 ppm	
8	8' - 9.7' / 3.6'				0.8 ppm	
9					5.0 ppm	
10				Refusal at 9.7 ft-bgs		
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	
			NA	9.7'	NA	

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

LaBella
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300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Geoprobe® Overburden Soil Sampling
Midtown Plaza, Oswego, New York
Client: SRE Midtown Garage, LLC and SRE Midtown Acquisitions, LLC

BORING: LBA-SB-03
SHEET 3 OF 13
JOB: 2181011
CHKD BY: SMR
DATE:

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:	Footprint of former photographic prox. door	TIME:	1100 TO	1215
DRILLER:	D. Hitchcock	GROUND SURFACE ELEVATION	NA	DATUM:	NA	
LABELLA REPRESENTATIVE:	S. Rife	START DATE: 3/20/18	END DATE: 3/20/18	WEATHER:	Sunny, 34°F	

TYPE OF DRILL RIG: Geoprobe® 54-LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: ~1.8"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			0.57'	Concrete Slab		
1	0.57'-4.0' / 1.8'	LBA-SB-03, 2'-4'		Brown C SAND and F to M R GRAVEL wet/moist, FILL: concrete chuncks, brick fragments, no odor	0.0 ppm	APPARENT FILL
2					0.0 ppm	
3					0.0 ppm	
4					0.0 ppm	
5	4.0' - 8.0' / 4.0'	LBA-SB-03, 5.5'-6.0'	5.3'		0.0 ppm	
6					0.0 ppm	APPARENT NATIVE
7				VC Brown SAND, saturated, no odor	0.0 ppm	
8					0.0 ppm	
9	8.0' - 12.0' / 4.0'				0.0 ppm	
10			10'		0.0 ppm	
11				AA, little SILT, dense, saturated	0.0 ppm	
12					0.0 ppm	
13				Boring Terminated 12.0'-BGS		
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	No Well Installed
			NA	12.0'	5.3'	

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
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300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Geoprobe® Overburden Soil Sampling
Midtown Plaza, Oswego, New York
Client: SRE Midtown Garage, LLC and SRE Midtown Acquisitions, LLC

BORING: LBA-SB-04
SHEET 4 OF 13
JOB: 2181011
CHKD BY: SMR
DATE:

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:	Planter proximate stairs/awning	TIME:	1300 TO
DRILLER:	D. Hitchcock	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE:	S. Rife	START DATE: 3/20/18	END DATE: 3/20/18	WEATHER:	Partly Cloudy, 28°

TYPE OF DRILL RIG: Geoprobe® 54-LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: ~1.8"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			0.2'	mulch, topsoil		
1	0.0' - 4.0' / 2.6'	LBA-SB-04, 2.0'-3.7' (8oz)	1.7'	Brown VC SAND and M to C SA GRAVEL, moist to wet, no odor	0.0 ppm	APPARENT FILL
2				Grey - black FILL SAND, trace of concrete, brick fragments, ash, glass, moist, no odor	0.0 ppm	
3					0.0 ppm	
4				Refusal 3.7' BGS	0.0 ppm	
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19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Re-advanced boring approximately 4.0' east and encountered refusal at similar depth.
			NA	3.7'	NA	

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
Phase II Environmental Site Assessment
Geoprobe® Overburden Soil Sampling
Midtown Plaza, Oswego, New York
Client: SRE Midtown Garage, LLC and SRE Midtown Acquisitions, LLC

BORING: LBA-SB-05
SHEET 5 OF 13
JOB: 2181011
CHKD BY: SMR
DATE:

CONTRACTOR:	LaBella Env. LLC		BORING LOCATION:	North of EMS "SB-1"	TIME:	1430 TO	1530
DRILLER:	D. Hitchcock		GROUND SURFACE ELEVATION	NA	DATUM:	NA	
LABELLA REPRESENTATIVE:	S. Rife		START DATE: 3/20/18	END DATE: 3/20/18	WEATHER:		

TYPE OF DRILL RIG: Geoprobe® 54-LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: ~1.8"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			0.42'	Concrete floor core		
1	0.42' - 4.0' / 1.5'			VC SAND and FILL R GRAVEL, possible re-worked native, wet (from coring), no odor	0.0 ppm	FILL
2			2.5'		0.0 ppm	
3				Grey - dark brown C SAND and F to M SA GRAVEL, trace of FILL: wood debris, brick fragments	0.0 ppm	
4					0.7 ppm	
5	4.0' - 8.0' / 2.8'	LBA-SB-05: 5.0' - 6.0' (2oz)			6.8 ppm	
6					0.0 ppm	
7			7.0'	VS SAND and UF SA GRAVEL, wet, no odor	0.0 ppm	
8					0.0 ppm	
9	8.0' - 12.0' / 4.0'		8.5'	Grey SANDY TILL, wet / saturated, no odor	0.0 ppm	APPARENT NATIVE
10					0.0 ppm	
11					0.0 ppm	
12			11.5'	Brown SAND and F R GRAVEL, saturated, no odor	0.0 ppm	
13	12.0' - 16.0' / 4.0'				0.0 ppm	
14					0.0 ppm	Water flows from Macro core
15					0.0 ppm	
16				Boring Terminated at 16.0'		
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Installed well MW-02 in borehole to 16.0' BGS, 10' screen, 11' SAND, 1' Bentonite
			NA	16.0'	7.0'	

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
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trace = 1 - 10%

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Geoprobe® Overburden Soil Sampling
Midtown Plaza, Oswego, New York
Client: SRE Midtown Garage, LLC and SRE Midtown Acquisitions, LLC

BORING: LBA-SB-06
SHEET 6 OF 13
JOB: 2181011
CHKD BY: SMR
DATE:

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:	Proximate current dance studio entrance	TIME:	1615	TO
DRILLER:	D. Hitchcock	GROUND SURFACE ELEVATION	NA	DATUM:	NA	
LABELLA REPRESENTATIVE:	S. Rife	START DATE: 3/20/18	END DATE: 3/20/18	WEATHER:		

TYPE OF DRILL RIG: Geoprobe® 54-LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: ~1.8"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				Concrete Core		
1	0.5' - 4.0' / 2.8'	LBA-SB-06, 2.0' - 4.0' (8oz)	0.5'		0.0 ppm	
2			2.0'		0.0 ppm	
3				Black Cinders (80%), glass fragments (~20%), no odor, moist/damp	0.0 ppm	FILL
4					0.0 ppm	
5					0.0 ppm	
6	4.0' - 8.0' / 3.4'		6.0'		0.0 ppm	
7				Brown MC to VC SAND, wet, no odor	0.0 ppm	
8		LBA-SB-06, 8.0' - 9.0' (2oz)	8.0'		0.0 ppm	
9	8.0' - 12.0' / 4.0'			AA, and VF SR to SA GRAVEL, saturated	0.0 ppm	APPARENT NATIVE
10					0.0 ppm	
11			10.5'	Grey VC SAND and GRAVEL, tightly-packed, apparent shale, dry/damp, no odor	0.0 ppm	
12				Boring Terminated 12.0' BGS		
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WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	12.0'	6.0'	

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
Phase II Environmental Site Assessment
Geoprobe® Overburden Soil Sampling
Midtown Plaza, Oswego, New York
Client: SRE Midtown Garage, LLC and SRE Midtown Acquisitions, LLC

BORING: LBA-SB-07
SHEET 7 OF 13
JOB: 2181011
CHKD BY: SMR
DATE:

CONTRACTOR: LaBella Env. LLC
DRILLER: D. Hitchcock
LABELLA REPRESENTATIVE: S. Rife
BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE: 3/20/18 END DATE: 3/20/18
TIME: TO
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe® 54-LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: ~1.8"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			0.4'	Concrete Core	0.0 ppm	
1	0.4' - 2.5' / 2.1'	LBA-SB-07: 2.0' - 2.5' (2oz)	1.0'	VC SAND and GRAVEL FILL, wet (from coring), no odor, brick fragments	0.0 ppm	
2				AA, trace of black staining, moist, no odor	0.0 ppm	
3				Refusal at 2.5' BGS: Very tightly packed VC SAND and R GRAVEL (Possible TILL)		
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NOTES:

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

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
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Phase II Environmental Site Assessment
Geoprobe® Overburden Soil Sampling
Midtown Plaza, Oswego, New York
Client: SRE Midtown Garage, LLC and SRE Midtown Acquisitions, LLC

BORING: LBA-SB-08
SHEET 8 OF 13
JOB: 2181011
CHKD BY: SMR
DATE:

CONTRACTOR:	LaBella Env. LLC		BORING LOCATION:	Southeast Corner of Site		TIME:	0730 TO 0845
DRILLER:	D. Hitchcock		GROUND SURFACE ELEVATION	NA		DATUM:	NA
LABELLA REPRESENTATIVE:	S. Rife		START DATE:	3/21/18	END DATE: 3/21/18	WEATHER:	Sunny, 33°F

TYPE OF DRILL RIG: Geoprobe® 54-LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: ~1.8"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			0.4'	Concrete floor core		
1				Apparent FILL SAND & GRAVEL, possible re-worked native, moist	0.0 ppm	
2	0.4' - 4.0' / 2.0'				0.0 ppm	
3			3.0'		0.0 ppm	
4				Brown SAND and M to C SA to SR GRAVEL, moist/damp, no odor	0.0 ppm	APPARENT NATIVE
5					0.0 ppm	
6	4.0' - 8.0' / 4.0'				0.0 ppm	
7			7.0'	Brown VC SAND, F SA GRAVEL, saturated	0.0 ppm	
8		LAB-SB-08: 8.0' - 8.6'	8.0'	Red Sandy TILL, very dense, tightly-packed dry		
	8.0' - 8.4' / 1.6'			Refusal 8.4' BGS: Dense TILL		
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WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	8.4'	7.0'	

GENERAL NOTES

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PROJECT
Phase II Environmental Site Assessment
Geoprobe® Overburden Soil Sampling
Midtown Plaza, Oswego, New York
Client: SRE Midtown Garage, LLC and SRE Midtown Acquisitions, LLC

BORING: LBA-SB-09
SHEET 9 OF 13
JOB: 2181011
CHKD BY: SMR
DATE:

CONTRACTOR:	LaBella Env. LLC		BORING LOCATION:		Interior center of Building	TIME:	0845 TO 0945
DRILLER:	D. Hitchcock		GROUND SURFACE ELEVATION		NA	DATUM:	NA
LABELLA REPRESENTATIVE:	S. Rife		START DATE:	3/21/18	END DATE: 3/21/18	WEATHER:	

TYPE OF DRILL RIG: Geoprobe® 54-LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: ~1.8"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			0.67'	Concrete floor core		
1					0.0 ppm	
2	0.67' - 4.0' / 2.9'		1.5'	Light brown - grey SILTY SAND and F to C SA to A GRAVEL, lean, dry	0.0 ppm	
3		LBA-SB-09: 3.0' - 4.0'			0.0 ppm	
4			4.0'		0.0 ppm	
5	4.0' - 7.9' / 4.0'			AA, damp, extremely dense	0.0 ppm	
6					0.0 ppm	
7					0.0 ppm	
8				Refusal at 7.9' BGS: Very dense TILL		
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19						
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WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	7.9'	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
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PROJECT
Phase II Environmental Site Assessment
Geoprobe® Overburden Soil Sampling
Midtown Plaza, Oswego, New York
Client: SRE Midtown Garage, LLC and SRE Midtown Acquisitions, LLC

BORING: LBA-SB-10
SHEET 10 OF 13
JOB: 2181011
CHKD BY: SMR
DATE:

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:	West of Site Building, proximately Former auto	TIME:	0945 TO
DRILLER:	D. Hitchcock	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE:	S. Rife	START DATE:	END DATE:	WEATHER:	Sunny, 32°F

TYPE OF DRILL RIG: Geoprobe® 54-LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: ~1.8"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			0.55'	Concrete sidewalk core		
1	0.55' - 4.0' / 2.7'	LBA-SB-10: 3.0' - 4.0' (4oz)		Brown to grey to black FILL SAND and M to C SA GRAVEL, trace of glacss, trace of brick fragments, trace of wood debris, damp	0.0 ppm 0.0ppm 0.4 ppm 0.0ppm	
2						
3						
4						
5	4.0' - 8.0' / 2.6'	LBA-SB-10: 7.0' - 8.0' (4oz)	5.0'	AA, moist, trace of cinders, trace of ash, VC concrete chunks	0.0 ppm 0.0ppm 0.0 ppm 0.0ppm	FILL
6						
7						
8						
9	8.0' - 12.0' / 2.9'	LBA-SB-10: 9.0' - 10' (4oz)	9.2'	Grey petro-stained VC SAND and VF SA GRAVEL, saturated, faint to mild decaxed petroleum odor	0.0ppm 42.9 ppm 20.4 ppm	
10						
11					5.1 ppm	
12	12' - 12.9' / 1.5'				24.5 ppm	
13				Refusal at 12.9' BGS		
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WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Installed Well MW-03 to 11.3'. (Some collapse), 5.0' screen, 7.0' SAND, 1.0' Bentonite.
			NA	12.9'	~9.0'	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
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PROJECT
Phase II Environmental Site Assessment
Geoprobe® Overburden Soil Sampling
Midtown Plaza, Oswego, New York
Client: SRE Midtown Garage, LLC and SRE Midtown Acquisitions, LLC

BORING: LBA-SB-11
SHEET 11 OF 13
JOB: 2181011
CHKD BY: SMR
DATE:

CONTRACTOR:	LaBella Env. LLC		BORING LOCATION:	Proximate NW loading dock		TIME:	1230 TO 1345
DRILLER:	D. Hitchcock		GROUND SURFACE ELEVATION	NA		DATUM:	NA
LABELLA REPRESENTATIVE:	S. Rife		START DATE:	3/21/18	END DATE: 3/21/18	WEATHER:	Partly Cloudy, 28°F

TYPE OF DRILL RIG: Geoprobe® 54-LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: ~1.8"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			0.6'	Concrete Core		
1				FILL SAND and VF R GRAVEL, wet (from coring), no odor	0.0 ppm	APPARENT FILL
2	0.6 - 4.0' / 2.9'		1.3'	Light brown F to C SAND and F to C SA GRAVEL, dry, tightly-packed, very dense, no odor	0.0 ppm	APPARENT NATIVE
3					0.0 ppm	
4		LBA-SB-11: 4.0' - 5.0' (4oz)			0.0 ppm	
5	4.0' - 6.8' / 4.0'		5.0'		0.0 ppm	
6				AA, TILL, little SILT, very dense	0.0 ppm	
7	6.8' - 7.6' / 1.7'				0.0 ppm	
8				Refusal 7.6' BGS: Dense/dry native TILL		VC GRAVEL in shoe
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WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	7.6'	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Geoprobe® Overburden Soil Sampling
Midtown Plaza, Oswego, New York
Client: SRE Midtown Garage, LLC and SRE Midtown Acquisitions, LLC

BORING: LBA-SB-12
SHEET 12 OF 13
JOB: 2181011
CHKD BY: SMR
DATE:

CONTRACTOR:	LaBella Env. LLC		BORING LOCATION:		East loading dock, proximate former foundary	TIME:	1400 TO 1515
DRILLER:	D. Hitchcock		GROUND SURFACE ELEVATION		NA	DATUM:	NA
LABELLA REPRESENTATIVE:	S. Rife		START DATE:	3/20/18	END DATE: 3/20/18	WEATHER:	Partly Cloudy, 28°F

TYPE OF DRILL RIG: Geoprobe® 54-LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: ~1.8"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				Crushed Asphalt, sub-base GRAVEL, dry	0.0 ppm	
1			1.5'			
2	0.0' - 4.0' / 2.9'	LBA-SB-12 2.0' - 3.0' (4oz)		FILL: 90% MC SAND and CA GRAVEL, 10% concrete debris	0.0 ppm	
3			3.2'	Apparent Native light brown-grey TILL: some SAND, some MC to VC SR GRAVEL, moist, dense, tightly-packed	0.0 ppm	APPARENT NATIVE at 3.2'
4			4.0'			
5	4.0' - 8.0' / 1.5'			AA, saturated, loose	0.0 ppm	
6					0.0 ppm	
7					0.0 ppm	
8		LBA-SB-12: 8.0' - 9.0' (4oz)			0.0 ppm	
9					0.0 ppm	
10	8.0' - 11.9' / 3.5'		10.0'		0.0 ppm	
11				AA, saturated, loose	0.0 ppm	
12				Refusal at 11.9' BGS: Apparent dense TILL		
13						
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15						
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WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	11.9'	4.0'	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
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300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
Geoprobe® Overburden Soil Sampling
Midtown Plaza, Oswego, New York
Client: SRE Midtown Garage, LLC and SRE Midtown Acquisitions, LLC

BORING: LBA-SB-13
SHEET 13 OF 13
JOB: 2181011
CHKD BY: SMR
DATE:

CONTRACTOR:	LaBella Env. LLC		BORING LOCATION:	Across Street from Eastern auto shop		TIME:	1515 TO 1615
DRILLER:	D. Hitchcock		GROUND SURFACE ELEVATION	NA		DATUM:	NA
LABELLA REPRESENTATIVE:	S. Rife		START DATE:	3/21/18	END DATE: 3/21/18	WEATHER:	Sunny, 30°F

TYPE OF DRILL RIG: Geoprobe® 54-LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: ~1.8"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				Concrete Core		
1			0.45'	FILL GRAVEL, little SAND, damp, (from coring)	0.0 ppm	
2	0.45' - 4.0' / 1.5'		2.0'		0.0 ppm	
3					0.0 ppm	
4					0.0 ppm	
5		LBA-SB-13: 5.0' - 6.0' (4oz)	4.5'	Grey M to C SAND and SA to R GRAVEL, wet, loose, no odor	0.0 ppm	
6	4.0' - 8.0' / 2.7'				0.0 ppm	
7					0.0 ppm	
8					0.0 ppm	
9					0.0 ppm	
10	8.0' - 12.0' / 1.8'		9.5'	AA, dense, tightly - packed, saturated	0.0 ppm	
11					0.0 ppm	
12					0.0 ppm	
13					0.0 ppm	
14	12.0' - 15.7' / 2.0'	LBA-SB-13: 14.0' - 15.0' (4oz)	14.0'	Black-stained material, no petro odors, wet, SAND and GRAVEl	0.0 ppm	For sample LBA-SB-13 there was a suspicious stan but no odor
15			15.0'	AA, very dense	0.0 ppm	
16				Refusal at 15.7' BGS		
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	Installed well MW-04 to 15.5' BGS, 10.0' scree, 12.0' SAND, 1.0' Bentonite
			NA	15.7'	4.5'	

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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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Geotechnical Investigation
Overburden Soil Augering/SPT Sampling
East Lake Commons, Oswego, New York
Client: SRE Midtown Acquisitions, LLC

BORING: B-1
SHEET 1 OF 1
JOB: 2181306.00
CHKD BY: TJZ

CONTRACTOR: ATL
DRILLER: Zach
LABELLA REPRESENTATIVE: Alex Brett

BORING LOCATION: B-1
GROUND SURFACE ELEVATION: NA
START DATE: 4/18/2018 END DATE: 4/19/2018

TIME: TO
DATUM: NA
WEATHER: 35° F, Cloudy

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 4 1/4" Hollow Stem

DRIVE SAMPLER TYPE: Split Spoon
INSIDE DIAMETER: 1-3/8"

DEPTH (FT)	SAMPLE DATA: BLOW COUNTS	SAMPLE DATA: SAMPLE/RECOVERY	SAMPLE DATA: APPROXIMATE STRATA CHANGE	VISUAL MATERIALS CLASSIFICATION	REMARKS
0				CONCRETE SLAB (7")	
	10 - 18	0.8' - 2.8'/ 19"	0.6'	FILL: Gray Crusher Run Subbase STONE (5")	
1	23 - 22		1.0'	FILL: Brown fine to coarse SAND, little Silt, little Gravel, little Brick, Asphalt, and Cinder fragments, moist, dense	
2	27 - 26	2.8' - 4.8'/ 16"			
3	24 - 15				
4	14 - 50/2"	4.8' - 5.4'/ 6"	4.8'	FILL: Brown Gray GRAVEL, little fine to coarse Sand, trace silt, wet, very dense	
5					
6	23 - 23	6.0' - 8.0'/ 12"			
7	33 - 14				
8	20 - 9	8.0' - 10.0'/ 6"	8.0'	Brown SILT, little fine to medium Sand, little fine Gravel, trace clay, moist, medium dense (ML)	
9	6 - 14				
10	15 - 26	10.0' - 12.0'/ 22"		dense	
11	20 - 20				
12					
13					
14	32 - 39	14.0' - 16.0'/ 20"		color changes to gray, very dense	
15	48 - 65				
16					
17					
18					
19	9 - 17	19.0' - 21.0'/ 16"	19.0'	Red Brown fine to coarse SAND, some Silt, little Gravel, trace clay, very moist, dense (SM)	
20	14 - 13				
21					

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
			29.0'	29.2'	11.2'

NOTES:

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 MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:
and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%
BGS = Below Ground Surface
NA = Not Applicable

BORING: B-1

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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Geotechnical Investigation
Overburden Soil Augering/SPT Sampling
East Lake Commons, Oswego, New York
Client: SRE Midtown Acquisitions, LLC

BORING: B-1
SHEET 1 OF 1
JOB: 2181306.00
CHKD BY: TJZ

CONTRACTOR: ATL
DRILLER: Zach
LABELLA REPRESENTATIVE: Alex Brett

BORING LOCATION: B-1
GROUND SURFACE ELEVATION: NA
START DATE: 4/18/2018 END DATE: 4/19/2018

TIME: TO
DATUM: NA
WEATHER: 35° F, Cloudy

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 4 1/4" Hollow Stem

DRIVE SAMPLER TYPE: Split Spoon
INSIDE DIAMETER: 1-3/8"

DEPTH (FT)	SAMPLE DATA: BLOW COUNTS	SAMPLE DATA: SAMPLE/RECOVERY	SAMPLE DATA: APPROXIMATE STRATA CHANGE	VISUAL MATERIALS CLASSIFICATION	REMARKS
22					
23					
24	10 - 10	24.0' - 26.0'/ 18"	24.0'	Brown fine to coarse sand, little fine Gravel, trace silt, wet, medium dense (SW)	
25	12 - 14				
26					
27					
28					
29	50/2"	29.0' - 29.2'/ 2"	29.0'	ROCK FRAGMENTS	
				Boring terminated upon apparent bedrock at 29.2'	
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
			29.0'	29.2'	11.2'

NOTES:

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 MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:
and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%
BGS = Below Ground Surface
NA = Not Applicable

BORING: B-1

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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Geotechnical Investigation
Overburden Soil Augering/SPT Sampling
East Lake Commons, Oswego, New York
Client: SRE Midtown Acquisitions, LLC

BORING: B-2
SHEET 1 OF 2
JOB: 2181306.00
CHKD BY: TJZ

CONTRACTOR: ATL
DRILLER: Zach
LABELLA REPRESENTATIVE: Alex Brett

BORING LOCATION: B-2
GROUND SURFACE ELEVATION: NA
START DATE: 4/17/2018 END DATE: 4/17/2018

TIME: TO
DATUM: NA
WEATHER: 35° F, Cloudy

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 4 1/4" Hollow Stem

DRIVE SAMPLER TYPE: Split Spoon
INSIDE DIAMETER: 1-3/8"

DEPTH (FT)	SAMPLE DATA: BLOW COUNTS	SAMPLE DATA: SAMPLE/RECOVERY	SAMPLE DATA: APPROXIMATE STRATA CHANGE	VISUAL MATERIALS CLASSIFICATION	REMARKS
0	WH - WH	0 - 2.0'/ 18"		FILL: Dark brown SAND and SILT, little Gravel, trace organic material, moist, loose	
1	6 - 9				
2	15 - 13	2.0' - 4.0'/ 14"	2.0'	FILL: Brown fine to coarse SAND, some Silt, little Gravel, little Brick and Concrete fragments, trace cinders, moist, medium dense	
3	5 - 5				
4	1 - WH	4.0' - 6.0'/ 6"	4.0'	FILL: Red BRICK Pieces, trace concrete fragments, wet, very loose	
5	WH - WH				
6	7 - 7	6.0' - 8.0'/ 0"		medium dense	
7	4 - 4				
8	6 - 6	8.0' - 10.0'/ 6"		grades to little Silt and Sand	
9	6 - 7				
10	14 - 25	10.0' - 12.0'/ 12"	10.0'	Brown fine to coarse SAND, some Silt, little Gravel, trace clay, moist, dense	
11	24 - 25				
12					
13					
14	25 - 28	14.0' - 16.0'/ 20"		very moist, very dense	
15	37 - 45				
16					
17					
18					
19	21 - 21	19.0' - 21.0'/ 17"		wet, dense	
20	19 - 20				
21					

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			30.0'	40.0'	8.1'	

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 MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

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

BGS = Below Ground Surface
NA = Not Applicable
WH = Weight of Hammer

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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Geotechnical Investigation
Overburden Soil Augering/SPT Sampling
East Lake Commons, Oswego, New York
Client: SRE Midtown Acquisitions, LLC

BORING: B-2
SHEET 2 OF 2
JOB: 2181306.00
CHKD BY: TJZ

CONTRACTOR: ATL
DRILLER: Zach
LABELLA REPRESENTATIVE: Alex Brett

BORING LOCATION: B-2
GROUND SURFACE ELEVATION: NA
START DATE: 4/17/2018 END DATE: 4/17/2018

TIME: TO
DATUM: NA
WEATHER: 35° F, Cloudy

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 4 1/4" Hollow Stem

DRIVE SAMPLER TYPE: Split Spoon
INSIDE DIAMETER: 1-3/8"

DEPTH (FT)	SAMPLE DATA: BLOW COUNTS	SAMPLE DATA: SAMPLE/RECOVERY	SAMPLE DATA: APPROXIMATE STRATA CHANGE	VISUAL MATERIALS CLASSIFICATION	REMARKS
22					
23					
24	8 - 19	24.0' - 25.8'/ 17"	24.0'	Brown fine to coarse SAND, some Silt, wet, dense	
25	30 - 50/3"				
26					
27					
28					
29	50/1"	29.0' - 29.1'			
30			30.0'	BEDROCK - Gray Slightly Weathered Oswego Sandstone	Run #1 (30'-35') Recovery - 88% RQD - 47%
31					
32					
33					
34					
35					
36					Run #2 (35'-40') Recovery - 98% RQD - 83%
37					
38					
39					
40				Boring terminated at 40.0'	
41					
42					
43					

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
			30.0'	40.0'	8.1'

NOTES:

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 MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

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

BGS = Below Ground Surface
NA = Not Applicable

BORING: B-2

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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Geotechnical Investigation
Overburden Soil Augering/SPT Sampling
East Lake Commons, Oswego, New York
Client: SRE Midtown Acquisitions, LLC

BORING: B-3
SHEET 1 OF 1
JOB: 2181306.00
CHKD BY: TJZ

CONTRACTOR: ATL
DRILLER: Zach
LABELLA REPRESENTATIVE: Steven Rife

BORING LOCATION: B-3
GROUND SURFACE ELEVATION: NA
START DATE: 4/19/2018 END DATE: 4/20/2018

TIME: TO
DATUM: NA
WEATHER: 35° F, Cloudy

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 4 1/4" Hollow Stem

DRIVE SAMPLER TYPE: Split Spoon
INSIDE DIAMETER: 1-3/8"

DEPTH (FT)	SAMPLE DATA: BLOW COUNTS	SAMPLE DATA: SAMPLE/RECOVERY	SAMPLE DATA: APPROXIMATE STRATA CHANGE	VISUAL MATERIALS CLASSIFICATION	REMARKS
0				4" thick CONCRETE SLAB underlain by 2" of Gray Subbase STONE	
1	4 - 7	0.5' - 2.5'/ 18"	0.5'	FILL: Brown, fine to coarse SAND, some Silt, little Gravel, little brick, asphalt and cinder fragments, moist, medium dense	
2	8 - 10				
3	6 - 11	2.5' - 4.5'/ 18"			
4	10 - 12				
5	7 - 9	4.5' - 6.5'/ 15"			
6	11 - 10				
7	13 - 19	6.5' - 8.5'/ 19"	6.5'	Brown, fine to coarse SAND, some Silt, little Gravel, moist, dense (SM)	
8	19 - 17				
9	5 - 3	8.5' - 10.5'/ 19"	8.5'	Brown gray SILT, little fine Sand, trace to little clay, trace gravel, wet, loose (ML)	
10	5 - 19				
11	21 - 19	10.5' - 12.5'/ 10"	10.5'	Brown gray, fine to coarse SAND and GRAVEL, little Silt, wet, dense (SW)	
12	21 - 21				
13					
14	9 - 8	14.0' - 16.0'/ 15"	14.0'	Red Brown, fine to medium SAND, little to some Silt, trace gravel, wet, medium dense	
15	11 - 17				
16					
17					
18					
19	19 - 40	19.0' - 20.3'/ 12"			
20	50/4"			Rock Fragments in sampler shoe at termination	
21				Boring terminated upon apparent bedrock at 20.3 feet	

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
			19.0'	20.3'	7.0'

NOTES:

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 MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

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

BGS = Below Ground Surface
NA = Not Applicable

BORING: B-3

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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Geotechnical Investigation
Overburden Soil Augering/SPT Sampling
East Lake Commons, Oswego, New York
Client: SRE Midtown Acquisitions, LLC

BORING: B-4
SHEET 1 OF 1
JOB: 2181306.00
CHKD BY: TJZ

CONTRACTOR: ATL
DRILLER: Zach
LABELLA REPRESENTATIVE: Steven Rife

BORING LOCATION: B-4
GROUND SURFACE ELEVATION: NA
START DATE: 4/20/2018 END DATE: 4/20/2018

TIME: TO
DATUM: NA
WEATHER: 30° F, Cloudy

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 4 1/4" Hollow Stem

DRIVE SAMPLER TYPE: Split Spoon
INSIDE DIAMETER: 1-3/8"

DEPTH (FT)	SAMPLE DATA: BLOW COUNTS	SAMPLE DATA: SAMPLE/RECOVERY	SAMPLE DATA: APPROXIMATE STRATA CHANGE	VISUAL MATERIALS CLASSIFICATION	REMARKS
0				4" Thick CONCRETE SLAB underlain by 2" of Gray Subbase STONE	
1	10 - 8	0.5' - 2.5'/ 16"	0.5'	FILL: Brown, fine to coarse SAND, some Silt, little Gravel, little Concrete and Brick fragments, trace cinders, moist, medium dense	
2	10 - 14				
3	12 - 18	2.5' - 4.5'/ 18"			
4	16 - 24				Difficult drilling noted from 5' to 6.5'
5	6 - 43	4.5' - 5.9'/ 14"			
6	50/5"				
7	6 - 9	6.5' - 8.5'/ 12"		very moist	
8	8 - 4				
9	2 - 4	8.5' - 10.5'/ 22"	8.5'	Brown SILT, little to some Clay, little fine Sand, little Gravel, moist, stiff	
10	6 - 5				
11	6 - 6	10.5' - 12.5'/ 24"		very stiff	
12	13 - 25				
13					
14	36 - 30	14.0' - 16.0'/ 15"		color changes to gray, hard	
15	11 - 12				
16					
17					
18					
19	31 - 42	19.0' - 20.9'/ 22"	19.0'	Red Brown, fine to coarse SAND, some Silt, trace clay, trace gravel, moist, very dense	
20	42 - 50/5"				
21				Boring terminated at 20.9'	

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
			19.0'	20.9'	NA

NOTES:

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 MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:
and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%
BGS = Below Ground Surface
NA = Not Applicable

BORING: B-4

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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Geotechnical Investigation
Overburden Soil Augering/SPT Sampling
East Lake Commons, Oswego, New York
Client: SRE Midtown Acquisitions, LLC

BORING: P-1
SHEET 1 OF 1
JOB: 2181306.00
CHKD BY: TJZ

CONTRACTOR: ATL
DRILLER: Zach
LABELLA REPRESENTATIVE: Alex Brett

BORING LOCATION:
GROUND SURFACE ELEVATION: NA
START DATE: 4//2018 END DATE: 4//2018

TIME: TO
DATUM: NA
WEATHER: 35° F, Cloudy

TYPE OF DRILL RIG: CME 550X
AUGER SIZE AND TYPE: 4 1/4" Hollow Stem

DRIVE SAMPLER TYPE: Split Spoon
INSIDE DIAMETER: 1-3/8"

DEPTH (FT)	SAMPLE DATA: BLOW COUNTS	SAMPLE DATA: SAMPLE/RECOVERY	SAMPLE DATA: APPROXIMATE STRATA CHANGE	VISUAL MATERIALS CLASSIFICATION	REMARKS
0	1 -3	0 - 2.0'/ 14"		FILL: Brown fine SAND, little Silt, moist, loose	
1	4 - 3				
2	4 - 2	2.0' - 4.0'/ 12"	2.0'	FILL: Brown fine to coarse SAND, little Silt, little Gravel, little Concrete and Brick fragments, little Cinders, moist, loose	
3	2 - 4				
4	1 - 2	4.0' - 6.0'/ 3"	4.5'	Brown fine to coarse SAND and GRAVEL, little Silt, wet, very loose (SW)	
5	1 - 1				
6	3 - 3	6.0' - 8.0'/ 16"		loose	
7	4 - 2				
8	4 - 13	8.0' - 10.0'/ 20"			
9	4 - 3			medium dense	
10	6 - 9	10.0' - 12.0'/ 18"			
11	10 - 9				
12					
13					
14					
15	19 - 20	15.0' - 16.5'/ 12"	15.0'	Brown fine to medium SAND, some Silt, trace gravel, moist, very dense (SM)	
16	50/6"				
17					
18					
19					
20	18 - 18	20.0' - 21.4'/ 14"		very moist	
21	50/5"			Boring terminated at 21.4' upon casing refusal	

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			21.4'	21.4'	8.3'	

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 MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

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

BGS = Below Ground Surface
NA = Not Applicable

BORING: P-1

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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Geotechnical Investigation
Overburden Soil Augering/SPT Sampling
East Lake Commons, Oswego, New York
Client: SRE Midtown Acquisitions, LLC

BORING: P-2
SHEET 1 OF 1
JOB: 2181306.00
CHKD BY: TJZ

CONTRACTOR: ATL
DRILLER: Zach
LABELLA REPRESENTATIVE: Alex Brett

BORING LOCATION:
GROUND SURFACE ELEVATION: NA
START DATE: 4/18/2018 END DATE: 4/18/2018

TIME: TO
DATUM: NA
WEATHER: 30° F, Cloudy

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 4 1/4" Hollow Stem

DRIVE SAMPLER TYPE: Split Spoon
INSIDE DIAMETER: 1-3/8"

DEPTH (FT)	SAMPLE DATA: BLOW COUNTS	SAMPLE DATA: SAMPLE/RECOVERY	SAMPLE DATA: APPROXIMATE STRATA CHANGE	VISUAL MATERIALS CLASSIFICATION	REMARKS
0	WH - WH	0 - 2.0'/ 24"		FILL: Brown fine to coarse SAND, little Silt, little fine Gravel, trace organic material, moist, loose	
1	5 - 12				
2	17 - 16	2.0' - 4.0'/ 21"	2.0'	Brown fine to coarse SAND, some Silt, trace to little gravel, moist, dense	
3	16 - 15				
4	8 - 5	4.0' - 6.0'/ 24"		very moist, loose	
5	1 - 1				
6	1 - 10	6.0' - 8.0'/ 24"		wet, medium dense	
7	10 - 10				
8	21 - 50/3"	8.0' - 8.8'/ 6"		very dense	
9					
10	18 - 46	10.0' - 12.0'/ 7"			
11	47 - 39				
12					
13					
14	13 - 25	14.0' - 15.5'/ 8"	14.0'	Red brown SILT, some Clay, little fine Sand, little fine Gravel, moist , hard	
15	50/6"				
16					
17					
18					
19	50/5"	19.0' - 19.4'/ 5"	19.0'	Gray brown fine to coarse SAND, some Silt, little to some Gravel, trace to little clay, very moist, very dense	
20					
21					

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
			23.2'	34.0'	9.4'

NOTES:

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 MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

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

BGS = Below Ground Surface
NA = Not Applicable
WH = Weight of Hammer

BORING: P-2

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Geotechnical Investigation
Overburden Soil Augering/SPT Sampling
East Lake Commons, Oswego, New York
Client: SRE Midtown Acquisitions, LLC

BORING: P-2
SHEET 2 OF 2
JOB: 2181306.00
CHKD BY: TJZ

CONTRACTOR: ATL
DRILLER: Zach
LABELLA REPRESENTATIVE: Alex Brett

BORING LOCATION:
GROUND SURFACE ELEVATION: NA
START DATE: 4/18/2018 END DATE: 4/18/2018

TIME: TO
DATUM: NA
WEATHER: 30° F, Cloudy

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 4 1/4" Hollow Stem

DRIVE SAMPLER TYPE: Split Spoon
INSIDE DIAMETER: 1-3/8"

DEPTH (FT)	SAMPLE DATA: BLOW COUNTS	SAMPLE DATA: SAMPLE/RECOVERY	SAMPLE DATA: APPROXIMATE STRATA CHANGE	VISUAL MATERIALS CLASSIFICATION	REMARKS
22					
23	50/2"	23.0 - 23.2'/ 0"			
24			24.0'	BEDROCK - Gray Slightly Weathered Oswego Sandstone	
25					Run #1 (24'-29') Recovery - 85% RQD - 48%
26					
27					
28					
29					
30					Run #2 (29'-34') Recovery - 100% RQD - 80%
31					
32					
33					
34				Boring terminated at 34'	
35					
36					
37					
38					
39					
40					
41					
42					
43					

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
			23.2'	34.0'	9.4'

NOTES:

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 MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:
and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%
BGS = Below Ground Surface
NA = Not Applicable

BORING: P-2

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Geotechnical Investigation
Overburden Soil Augering/SPT Sampling
East Lake Commons, Oswego, New York
Client: SRE Midtown Acquisitions, LLC

BORING: P-3
SHEET 1 OF 1
JOB: 2181306.00
CHKD BY: TJZ

CONTRACTOR: ATL
DRILLER: Zach
LABELLA REPRESENTATIVE: Steven Rife

BORING LOCATION:
GROUND SURFACE ELEVATION: NA
START DATE: 4/20/2018 END DATE: 4/20/2018

TIME: TO
DATUM: NA
WEATHER: 30° F, Cloudy

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 4 1/4" Hollow Stem

DRIVE SAMPLER TYPE: Split Spoon
INSIDE DIAMETER: 1-3/8"

DEPTH (FT)	SAMPLE DATA: BLOW COUNTS	SAMPLE DATA: SAMPLE/RECOVERY	SAMPLE DATA: APPROXIMATE STRATA CHANGE	VISUAL MATERIALS CLASSIFICATION	REMARKS
0				6" Thick CONCRETE SLAB underlain by 4" of Gray Subbase STONE	
1	2 - 5	1.0' - 3.0'/ 14"	0.8'	FILL: Dark Brown fine to coarse SAND, some Silt, little Gravel, little Concrete, Brick, and Cinder fragments, moist, medium dense	
2	10 - 12				
3	5 - 8	3.0' - 5.0'/ 16"	3.0'	Brown fine to medium SAND, some Silt, trace fine gravel, moist, medium dense (SM)	
4	4 - 4				
5	1 - 1	5.0' - 7.0'/ 19"	5.0'	Gray Brown SILT, little fine Sand, trace clay, very moist, very loose (ML)	
6	1 - 6				
7	3 - 8	7.0' - 9.0'/ 11"	7.0'	Brown Gray fine to coarse SAND, some Gravel, some Silt, trace clay, wet, medium dense (SW)	
8	6 - 6				
9	6 - 8	9.0' - 11.0'/ 9"			
10	10 - 13				
11	10 - 8	11.0' - 13.0'/ 24"	11.0'	Brown fine to medium SAND and SILT, little fine Gravel, little Clay, moist, medium dense (SM-ML)	
12	8 - 12				
13					
14	2 - 11	14.0' - 15.3'/ 13"			
15	50/3"				
16				Trace rock fragments in spoon at 17.0'	
17				Boring terminated upon roller bit and spoon refusal upon apparent bedrock at 17 feet	
18					
19					
20					
21					

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
			15.8'	17.0'	7.7'

NOTES:

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 MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

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

BGS = Below Ground Surface
NA = Not Applicable

BORING: P-3

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Geotechnical Investigation
Overburden Soil Augering/SPT Sampling
East Lake Commons, Oswego, New York
Client: SRE Midtown Acquisitions, LLC

BORING: P-4
SHEET 1 OF 1
JOB: 2181306.00
CHKD BY: TJZ

CONTRACTOR: Target Drilling
DRILLER: Justin Loomis
LABELLA REPRESENTATIVE: Steven Rife

BORING LOCATION:
GROUND SURFACE ELEVATION: NA
START DATE: 4/20/2018 END DATE: 4/20/2018

TIME: TO
DATUM: NA
WEATHER: 35° F, Cloudy

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 4 1/4" Hollow Stem

DRIVE SAMPLER TYPE: Split Spoon
INSIDE DIAMETER: 1-3/8"

DEPTH (FT)	SAMPLE DATA: BLOW COUNTS	SAMPLE DATA: SAMPLE/RECOVERY	SAMPLE DATA: APPROXIMATE STRATA CHANGE	VISUAL MATERIALS CLASSIFICATION	REMARKS
0				CONCRETE SLAB (7")	
			0.6'	Gray Subbase STONE (4")	
1	1 - 3	1.0' - 3.0'/ 17"	1.0'	Brown SILT and fine SAND, trace fine gravel, very moist, very moist, medium dense	
2	10 - 9				
3	11 - 9	3.0' - 5.0'/ 14"			
4	7 - 5				
5	WH - 1	5.0' - 7.0'/ 10"		wet, very loose	
6	WH - WH				
7	1 - 1	7.0' - 9.0'/ 20"	7.0'	Brown SILT, little Clay, trace fine sand, wet, very soft	
8	1 - 1				
9	WH - WH	9.0' - 11.0'/ 24"	9.0'	Gray Brown to Gray CLAY, some Silt, trace fine sand, trace gravel, wet, very soft	
10	WH - WH				
11	WH - WH	11.0' - 13.0'/ 24"			
12	WH - WH				
13					
14					
15	35 - 50/4"	15.0' - 15.8'/ 8"	15.0'	Olive Brown Highly Weathered Bedrock (Fragments)	
16					
17					
18	50/1"	18.0' - 18.1'		Boring terminated at 18.1 feet on apparent bedrock upon roller bit and spoon refusal	
19					
20					
21					

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
			15.5'	18.1'	6.5'

NOTES:

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 MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:
and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%
BGS = Below Ground Surface
NA = Not Applicable
WH = Weight of Hammer

BORING: P-4

LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** Phase II Environmental Site Assessment 18 East Cayuga Street, Oswego, New York Client: SRE Midtown Garage	**MONITORING WELL :** **MW-01** **SHEET** 1 OF 1 **JOB #** 2181011

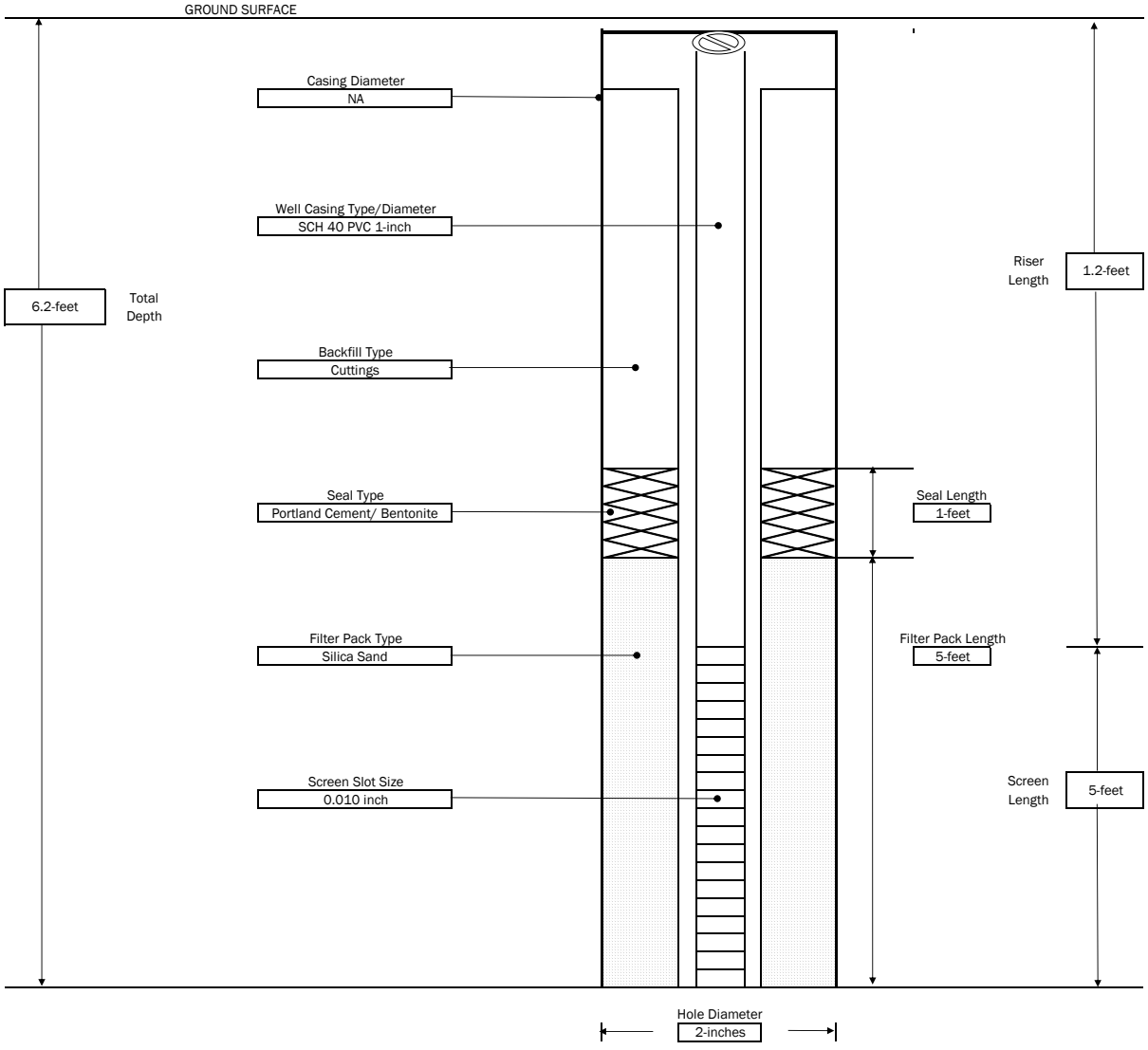
CONTRACTOR: LaBella Envrionmental, LLC
DRILLER: D. Hitchcock
LABELLA REPRESENTATIVE: S. Rife

BORING LOCATION: Southeast corner of Site
GROUND SURFACE ELEVATION:
START DATE: 3/20/2018 END DATE: 3/20/2018

TYPE OF DRILL RIG: Geoprobe 54-LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE
3) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR
4) BGS = BELOW GROUND SURFACE

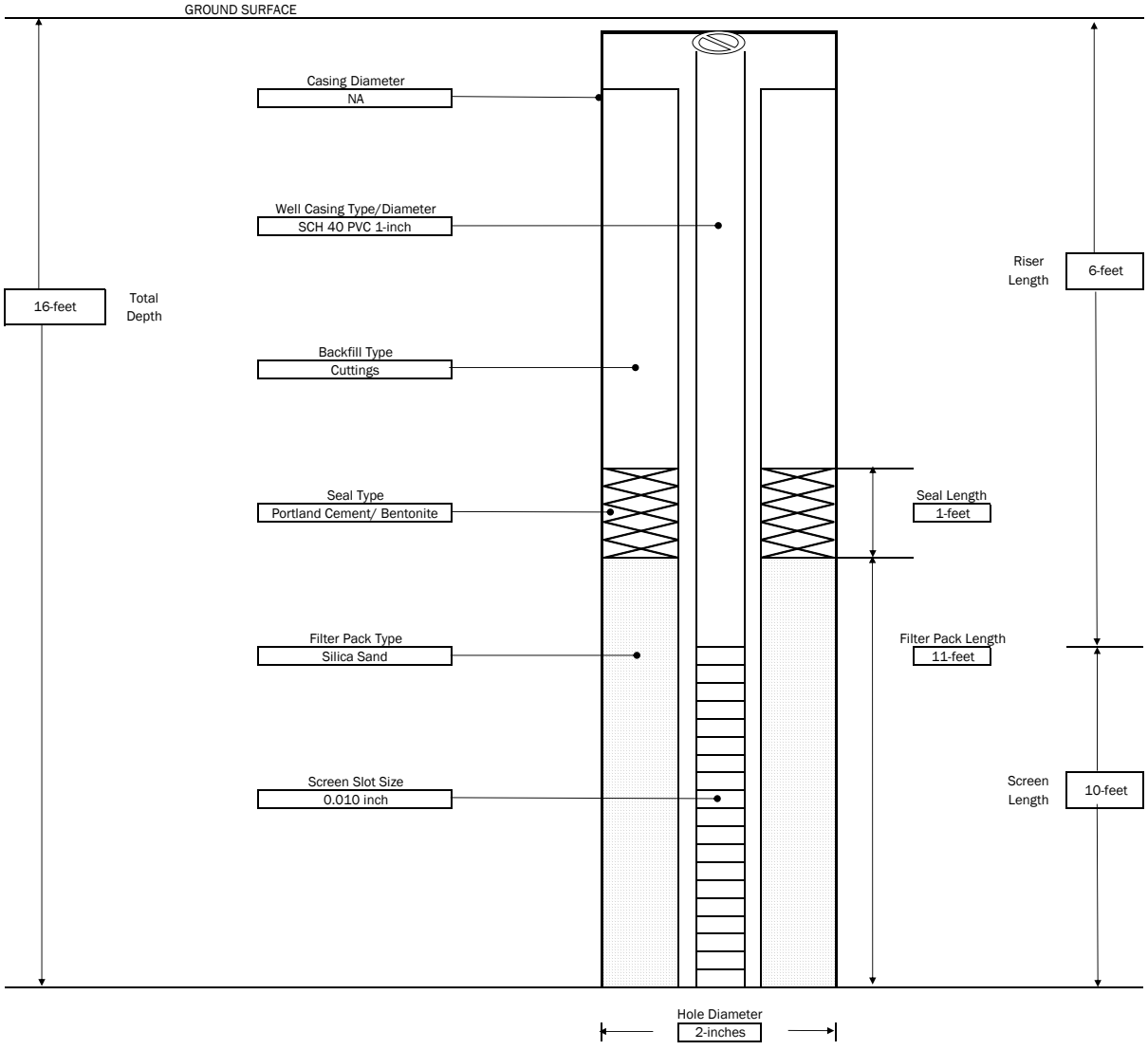
LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** Phase II Environmental Site Assessment 18 East Cayuga Street, Oswego, New York Client: SRE Midtown Garage	**MONITORING WELL :** **MW-02** **SHEET** 1 OF 1 **JOB #** 2181011

CONTRACTOR: LaBella Envrionmental, LLC
DRILLER: D. Hitchcock
LABELLA REPRESENTATIVE: S. Rife
BORING LOCATION: Southeast corner of Site
GROUND SURFACE ELEVATION:
START DATE: 3/20/2018 END DATE: 3/20/2018

TYPE OF DRILL RIG: Geoprobe 54-LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE
3) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR
4) BGS = BELOW GROUND SURFACE

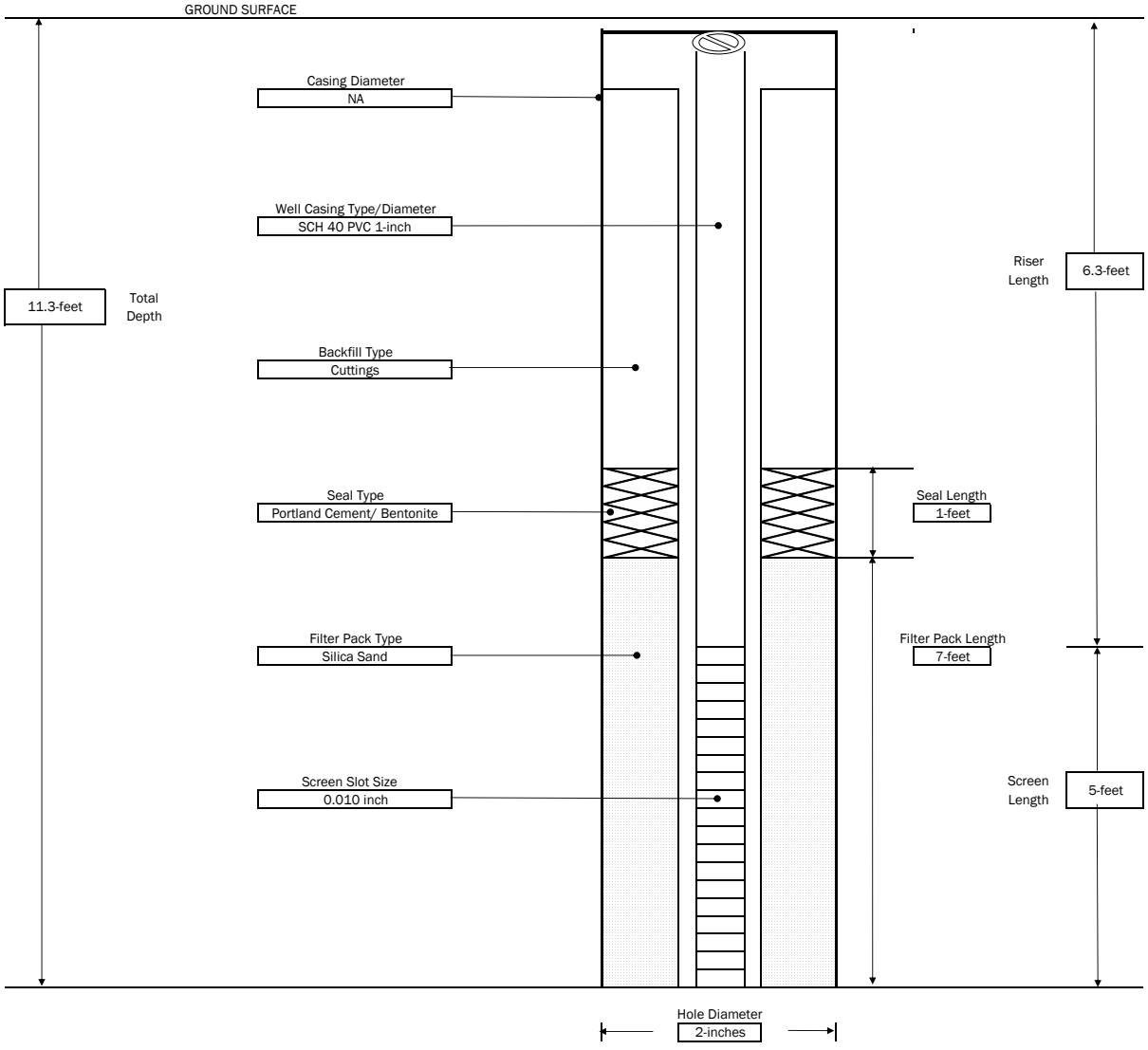
LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** Phase II Environmental Site Assessment 18 East Cayuga Street, Oswego, New York Client: SRE Midtown Garage	**MONITORING WELL :** **MW-03** **SHEET** 1 OF 1 **JOB #** 2181011

CONTRACTOR: LaBella Envrionmental, LLC
DRILLER: D. Hitchcock
LABELLA REPRESENTATIVE: S. Rife

BORING LOCATION: Southeast corner of Site
GROUND SURFACE ELEVATION:
START DATE: 3/21/2018 END DATE: 3/21/2018

TYPE OF DRILL RIG: Geoprobe 54-LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE
3) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR
4) BGS = BELOW GROUND SURFACE

LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** Phase II Environmental Site Assessment 18 East Cayuga Street, Oswego, New York Client: SRE Midtown Garage	**MONITORING WELL :** **MW-04** **SHEET** 1 OF 1 **JOB #** 2181011

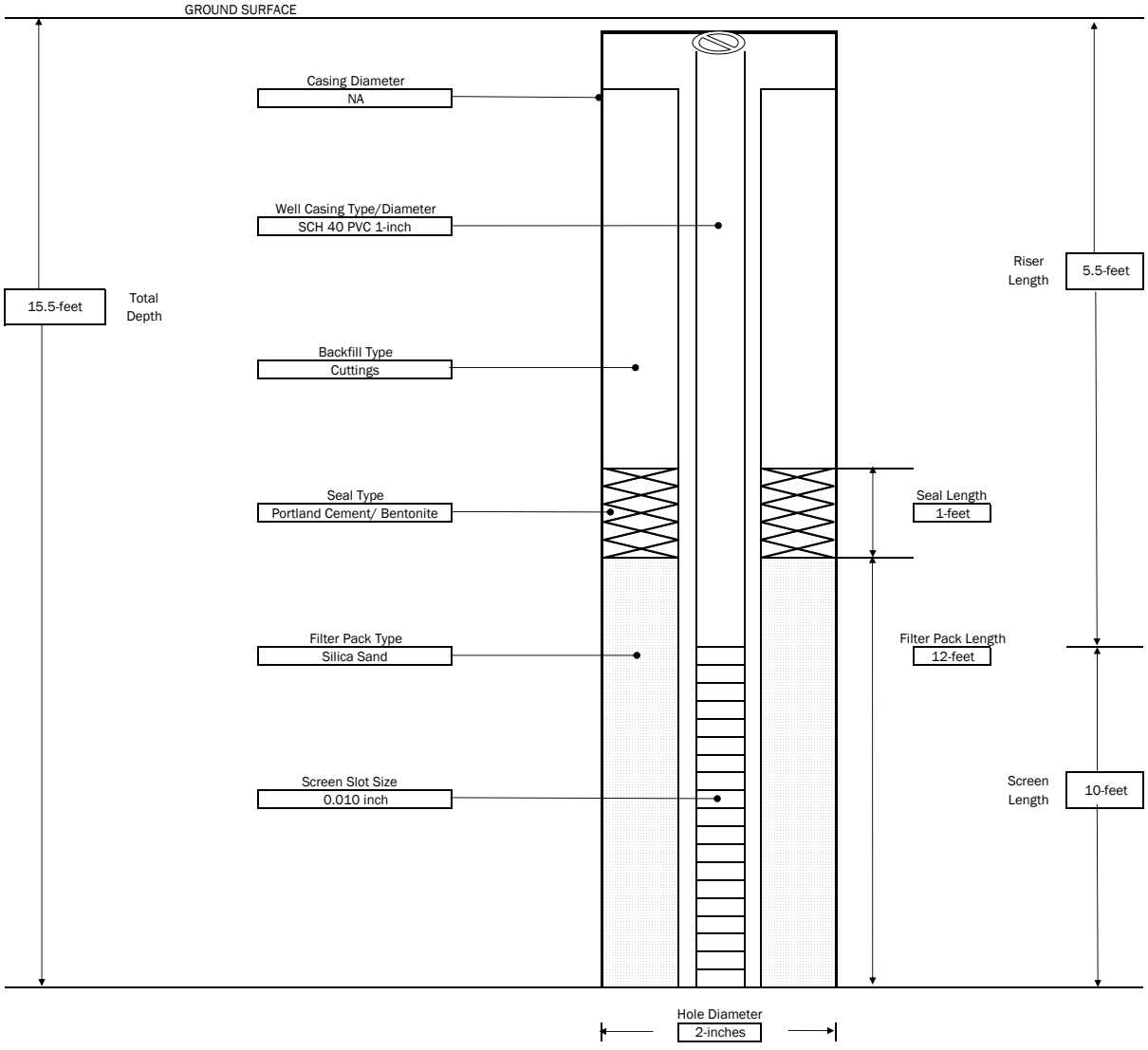
CONTRACTOR: LaBella Envrionmental, LLC
DRILLER: D. Hitchcock
LABELLA REPRESENTATIVE: S. Rife

BORING LOCATION: Southeast corner of Site
GROUND SURFACE ELEVATION:
START DATE: 3/21/2018 END DATE: 3/21/2018

TYPE OF DRILL RIG: Geoprobe 54-LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE
3) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR
4) BGS = BELOW GROUND SURFACE

APPENDIX 2

Laboratory Reports

ANALYTICAL REPORT

Lab Number:	L1810007
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Jennifer Gillen
Phone:	(585) 454-6110
Project Name:	OSWEGO MIDTOWN
Project Number:	2181011
Report Date:	03/30/18

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1810007-01	MW-01	WATER	OSWEGO, NY	03/22/18 14:45	03/23/18
L1810007-02	MW-02	WATER	OSWEGO, NY	03/22/18 15:05	03/23/18
L1810007-03	MW-03	WATER	OSWEGO, NY	03/22/18 15:20	03/23/18
L1810007-04	MW-04	WATER	OSWEGO, NY	03/22/18 16:55	03/23/18
L1810007-05	LBA-SB-02 4'-5'	SOIL	OSWEGO, NY	03/21/18 11:00	03/23/18
L1810007-06	LBA-SB-04 2'-3.7'	SOIL	OSWEGO, NY	03/21/18 00:00	03/23/18
L1810007-07	LBA-SB-06 2'-4'	SOIL	OSWEGO, NY	03/21/18 16:45	03/23/18
L1810007-08	LBA-SB-08 8'-8.4'	SOIL	OSWEGO, NY	03/22/18 08:45	03/23/18
L1810007-09	LBA-SB-10 9'-10'	SOIL	OSWEGO, NY	03/22/18 11:20	03/23/18
L1810007-10	LBA-SB-13 14'-15'	SOIL	OSWEGO, NY	03/22/18 16:30	03/23/18

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name: OSWEGO MIDTOWN **Lab Number:** L1810007
Project Number: 2181011 **Report Date:** 03/30/18

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.

Volatile Organics

L1810007-01 and -03: The pH of the samples was greater than two; however, the samples were analyzed within the method required holding time.

L1810007-03: The sample has elevated detection limits due to the dilution required by the sample matrix (oily).

L1810007-05, -08, -09 and -10: Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

L1810007-09: The analysis of Volatile Organics was performed from a methanol extract due to the elevated concentrations of non-target compounds in the sample.

Total Metals

L1810007-07: The sample has an elevated detection limit for selenium due to the dilution required by matrix interferences encountered during analysis.

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 Cripps Melissa Cripps

Title: Technical Director/Representative Date: 03/30/18

ORGANICS

VOLATILES

Project Name: OSWEGO MIDTOWN **Lab Number:** L1810007

Project Number: 2181011 **Report Date:** 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-01 D
Client ID: MW-01
Sample Location: OSWEGO, NY

Date Collected: 03/22/18 14:45
Date Received: 03/23/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/28/18 17:50
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	160		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	0.67	J	ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	24		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	2.4	J	ug/l	5.0	1.4	2
Trichloroethene	24		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: OSWEGO MIDTOWN **Lab Number:** L1810007

Project Number: 2181011 **Report Date:** 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-01 D Date Collected: 03/22/18 14:45

Client ID: MW-01 Date Received: 03/23/18

Sample Location: OSWEGO, NY 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	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	150		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	14		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	6.2	J	ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	3.1	J	ug/l	10	2.0	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2
n-Propylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	93		70-130

Project Name: OSWEGO MIDTOWN
Lab Number: L1810007
Project Number: 2181011
Report Date: 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-02
Client ID: MW-02
Sample Location: OSWEGO, NY
Date Collected: 03/22/18 15:05
Date Received: 03/23/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/28/18 16:59
Analyst: MKS

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	14		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	1.2		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	7.9		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: OSWEGO MIDTOWN **Lab Number:** L1810007

Project Number: 2181011 **Report Date:** 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-02 Date Collected: 03/22/18 15:05

Client ID: MW-02 Date Received: 03/23/18

Sample Location: OSWEGO, NY 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	12		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	4.3	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	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	92		70-130

Project Name: OSWEGO MIDTOWN **Lab Number:** L1810007

Project Number: 2181011 **Report Date:** 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-03 D
Client ID: MW-03
Sample Location: OSWEGO, NY

Date Collected: 03/22/18 15:20
Date Received: 03/23/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/28/18 18:16
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	ND		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	ND		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	ND		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
Trichloroethene	ND		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: OSWEGO MIDTOWN **Lab Number:** L1810007

Project Number: 2181011 **Report Date:** 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-03 D Date Collected: 03/22/18 15:20

Client ID: MW-03 Date Received: 03/23/18

Sample Location: OSWEGO, NY 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	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	11	J	ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
n-Butylbenzene	ND		ug/l	6.2	1.8	2.5
sec-Butylbenzene	ND		ug/l	6.2	1.8	2.5
tert-Butylbenzene	ND		ug/l	6.2	1.8	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
p-Isopropyltoluene	ND		ug/l	6.2	1.8	2.5
Naphthalene	ND		ug/l	6.2	1.8	2.5
n-Propylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,3,5-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5
Methyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	ND		ug/l	25	0.68	2.5
Freon-113	ND		ug/l	6.2	1.8	2.5
Methyl cyclohexane	ND		ug/l	25	0.99	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	91		70-130

Project Name: OSWEGO MIDTOWN
Lab Number: L1810007
Project Number: 2181011
Report Date: 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-04
Client ID: MW-04
Sample Location: OSWEGO, NY
Date Collected: 03/22/18 16:55
Date Received: 03/23/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/28/18 17:25
Analyst: MKS

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: OSWEGO MIDTOWN **Lab Number:** L1810007

Project Number: 2181011 **Report Date:** 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-04 Date Collected: 03/22/18 16:55

Client ID: MW-04 Date Received: 03/23/18

Sample Location: OSWEGO, NY 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	2.6	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	98		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	89		70-130

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-05
Client ID: LBA-SB-02 4'-5'
Sample Location: OSWEGO, NY

Date Collected: 03/21/18 11:00
Date Received: 03/23/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/28/18 16:07
Analyst: BD
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.30	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.39	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	38		ug/kg	1.1	0.34	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.39	1
Bromodichloromethane	ND		ug/kg	1.1	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.26	1
Bromoform	ND		ug/kg	4.5	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.33	1
Benzene	0.30	J	ug/kg	1.1	0.22	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.19	1
Chloromethane	ND		ug/kg	5.6	0.49	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.35	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.27	1
Trichloroethene	29		ug/kg	1.1	0.34	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.20	1

Project Name: OSWEGO MIDTOWN **Lab Number:** L1810007

Project Number: 2181011 **Report Date:** 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-05 Date Collected: 03/21/18 11:00

Client ID: LBA-SB-02 4'-5' Date Received: 03/23/18

Sample Location: OSWEGO, NY 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/kg	5.6	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.17	1
p/m-Xylene	ND		ug/kg	2.2	0.39	1
o-Xylene	ND		ug/kg	2.2	0.38	1
cis-1,2-Dichloroethene	16		ug/kg	1.1	0.38	1
Styrene	ND		ug/kg	2.2	0.45	1
Dichlorodifluoromethane	ND		ug/kg	11	0.56	1
Acetone	3.4	J	ug/kg	11	2.6	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.77	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
2-Hexanone	ND		ug/kg	11	0.75	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.26	1
sec-Butylbenzene	ND		ug/kg	1.1	0.24	1
tert-Butylbenzene	ND		ug/kg	5.6	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.44	1
Isopropylbenzene	ND		ug/kg	1.1	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.23	1
Naphthalene	0.16	J	ug/kg	5.6	0.15	1
n-Propylbenzene	ND		ug/kg	1.1	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.21	1
Methyl Acetate	ND		ug/kg	22	0.52	1
Cyclohexane	ND		ug/kg	22	0.48	1
Freon-113	ND		ug/kg	22	0.58	1
Methyl cyclohexane	ND		ug/kg	4.5	0.27	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	93		70-130

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-08
Client ID: LBA-SB-08 8'-8.4'
Sample Location: OSWEGO, NY

Date Collected: 03/22/18 08:45
Date Received: 03/23/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/27/18 12:07
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	8.9	1.5	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.24	1
Chloroform	ND		ug/kg	1.3	0.33	1
Carbon tetrachloride	ND		ug/kg	0.89	0.31	1
1,2-Dichloropropane	ND		ug/kg	3.1	0.20	1
Dibromochloromethane	ND		ug/kg	0.89	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.28	1
Tetrachloroethene	ND		ug/kg	0.89	0.27	1
Chlorobenzene	ND		ug/kg	0.89	0.31	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.37	1
1,2-Dichloroethane	ND		ug/kg	0.89	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.89	0.31	1
Bromodichloromethane	ND		ug/kg	0.89	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	0.89	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	0.89	0.20	1
Bromoform	ND		ug/kg	3.6	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.89	0.26	1
Benzene	ND		ug/kg	0.89	0.17	1
Toluene	0.20	J	ug/kg	1.3	0.17	1
Ethylbenzene	ND		ug/kg	0.89	0.15	1
Chloromethane	ND		ug/kg	4.4	0.39	1
Bromomethane	ND		ug/kg	1.8	0.30	1
Vinyl chloride	ND		ug/kg	1.8	0.28	1
Chloroethane	ND		ug/kg	1.8	0.28	1
1,1-Dichloroethene	ND		ug/kg	0.89	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.21	1
Trichloroethene	ND		ug/kg	0.89	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	4.4	0.16	1

Project Name: OSWEGO MIDTOWN **Lab Number:** L1810007

Project Number: 2181011 **Report Date:** 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-08 Date Collected: 03/22/18 08:45

Client ID: LBA-SB-08 8'-8.4' Date Received: 03/23/18

Sample Location: OSWEGO, NY 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/kg	4.4	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	4.4	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.14	1
p/m-Xylene	ND		ug/kg	1.8	0.31	1
o-Xylene	ND		ug/kg	1.8	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	0.89	0.30	1
Styrene	ND		ug/kg	1.8	0.36	1
Dichlorodifluoromethane	ND		ug/kg	8.9	0.44	1
Acetone	2.9	J	ug/kg	8.9	2.0	1
Carbon disulfide	ND		ug/kg	8.9	0.98	1
2-Butanone	ND		ug/kg	8.9	0.61	1
4-Methyl-2-pentanone	ND		ug/kg	8.9	0.22	1
2-Hexanone	ND		ug/kg	8.9	0.59	1
1,2-Dibromoethane	ND		ug/kg	3.6	0.18	1
n-Butylbenzene	ND		ug/kg	0.89	0.20	1
sec-Butylbenzene	ND		ug/kg	0.89	0.19	1
tert-Butylbenzene	ND		ug/kg	4.4	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	0.35	1
Isopropylbenzene	ND		ug/kg	0.89	0.17	1
p-Isopropyltoluene	ND		ug/kg	0.89	0.18	1
Naphthalene	ND		ug/kg	4.4	0.12	1
n-Propylbenzene	ND		ug/kg	0.89	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.4	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.4	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.4	0.16	1
Methyl Acetate	ND		ug/kg	18	0.41	1
Cyclohexane	ND		ug/kg	18	0.38	1
Freon-113	ND		ug/kg	18	0.46	1
Methyl cyclohexane	ND		ug/kg	3.6	0.21	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	92		70-130

Project Name: OSWEGO MIDTOWN **Lab Number:** L1810007

Project Number: 2181011 **Report Date:** 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-09 Date Collected: 03/22/18 11:20
Client ID: LBA-SB-10 9'-10' Date Received: 03/23/18
Sample Location: OSWEGO, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/27/18 10:53
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	180	J	ug/kg	520	85.	1
1,1-Dichloroethane	ND		ug/kg	77	14.	1
Chloroform	ND		ug/kg	77	19.	1
Carbon tetrachloride	ND		ug/kg	52	18.	1
1,2-Dichloropropane	ND		ug/kg	180	12.	1
Dibromochloromethane	ND		ug/kg	52	9.1	1
1,1,2-Trichloroethane	ND		ug/kg	77	16.	1
Tetrachloroethene	ND		ug/kg	52	16.	1
Chlorobenzene	ND		ug/kg	52	18.	1
Trichlorofluoromethane	ND		ug/kg	260	22.	1
1,2-Dichloroethane	ND		ug/kg	52	13.	1
1,1,1-Trichloroethane	ND		ug/kg	52	18.	1
Bromodichloromethane	ND		ug/kg	52	16.	1
trans-1,3-Dichloropropene	ND		ug/kg	52	11.	1
cis-1,3-Dichloropropene	ND		ug/kg	52	12.	1
Bromoform	ND		ug/kg	210	12.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	52	15.	1
Benzene	ND		ug/kg	52	10.	1
Toluene	ND		ug/kg	77	10.	1
Ethylbenzene	ND		ug/kg	52	8.8	1
Chloromethane	ND		ug/kg	260	22.	1
Bromomethane	32	J	ug/kg	100	17.	1
Vinyl chloride	ND		ug/kg	100	16.	1
Chloroethane	ND		ug/kg	100	16.	1
1,1-Dichloroethene	ND		ug/kg	52	19.	1
trans-1,2-Dichloroethene	ND		ug/kg	77	12.	1
Trichloroethene	ND		ug/kg	52	16.	1
1,2-Dichlorobenzene	ND		ug/kg	260	9.4	1

Project Name: OSWEGO MIDTOWN **Lab Number:** L1810007

Project Number: 2181011 **Report Date:** 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-09 Date Collected: 03/22/18 11:20

Client ID: LBA-SB-10 9'-10' Date Received: 03/23/18

Sample Location: OSWEGO, NY 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/kg	260	11.	1
1,4-Dichlorobenzene	ND		ug/kg	260	9.4	1
Methyl tert butyl ether	ND		ug/kg	100	7.9	1
p/m-Xylene	ND		ug/kg	100	18.	1
o-Xylene	ND		ug/kg	100	17.	1
cis-1,2-Dichloroethene	ND		ug/kg	52	18.	1
Styrene	ND		ug/kg	100	21.	1
Dichlorodifluoromethane	ND		ug/kg	520	26.	1
Acetone	270	J	ug/kg	520	120	1
Carbon disulfide	ND		ug/kg	520	57.	1
2-Butanone	ND		ug/kg	520	36.	1
4-Methyl-2-pentanone	ND		ug/kg	520	13.	1
2-Hexanone	ND		ug/kg	520	34.	1
1,2-Dibromoethane	ND		ug/kg	210	10.	1
n-Butylbenzene	ND		ug/kg	52	12.	1
sec-Butylbenzene	12	J	ug/kg	52	11.	1
tert-Butylbenzene	ND		ug/kg	260	13.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	260	20.	1
Isopropylbenzene	ND		ug/kg	52	10.	1
p-Isopropyltoluene	ND		ug/kg	52	10.	1
Naphthalene	140	J	ug/kg	260	7.1	1
n-Propylbenzene	ND		ug/kg	52	11.	1
1,2,4-Trichlorobenzene	ND		ug/kg	260	11.	1
1,3,5-Trimethylbenzene	ND		ug/kg	260	8.3	1
1,2,4-Trimethylbenzene	ND		ug/kg	260	9.6	1
Methyl Acetate	ND		ug/kg	1000	24.	1
Cyclohexane	ND		ug/kg	1000	22.	1
Freon-113	ND		ug/kg	1000	26.	1
Methyl cyclohexane	ND		ug/kg	210	12.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: OSWEGO MIDTOWN **Lab Number:** L1810007

Project Number: 2181011 **Report Date:** 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-10 D
Client ID: LBA-SB-13 14'-15'
Sample Location: OSWEGO, NY

Date Collected: 03/22/18 16:30
Date Received: 03/23/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/29/18 09:02
Analyst: NLK
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	1200	200	2.5
1,1-Dichloroethane	ND		ug/kg	180	33.	2.5
Chloroform	ND		ug/kg	180	46.	2.5
Carbon tetrachloride	ND		ug/kg	120	42.	2.5
1,2-Dichloropropane	ND		ug/kg	430	28.	2.5
Dibromochloromethane	ND		ug/kg	120	22.	2.5
1,1,2-Trichloroethane	ND		ug/kg	180	38.	2.5
Tetrachloroethene	ND		ug/kg	120	37.	2.5
Chlorobenzene	ND		ug/kg	120	43.	2.5
Trichlorofluoromethane	ND		ug/kg	620	51.	2.5
1,2-Dichloroethane	ND		ug/kg	120	30.	2.5
1,1,1-Trichloroethane	ND		ug/kg	120	43.	2.5
Bromodichloromethane	ND		ug/kg	120	38.	2.5
trans-1,3-Dichloropropene	ND		ug/kg	120	26.	2.5
cis-1,3-Dichloropropene	ND		ug/kg	120	28.	2.5
Bromoform	ND		ug/kg	490	29.	2.5
1,1,2,2-Tetrachloroethane	ND		ug/kg	120	37.	2.5
Benzene	ND		ug/kg	120	24.	2.5
Toluene	ND		ug/kg	180	24.	2.5
Ethylbenzene	40	J	ug/kg	120	21.	2.5
Chloromethane	ND		ug/kg	620	54.	2.5
Bromomethane	ND		ug/kg	250	42.	2.5
Vinyl chloride	ND		ug/kg	250	39.	2.5
Chloroethane	ND		ug/kg	250	39.	2.5
1,1-Dichloroethene	ND		ug/kg	120	46.	2.5
trans-1,2-Dichloroethene	ND		ug/kg	180	30.	2.5
Trichloroethene	ND		ug/kg	120	37.	2.5
1,2-Dichlorobenzene	ND		ug/kg	620	22.	2.5

Project Name: OSWEGO MIDTOWN **Lab Number:** L1810007

Project Number: 2181011 **Report Date:** 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-10 D Date Collected: 03/22/18 16:30

Client ID: LBA-SB-13 14'-15' Date Received: 03/23/18

Sample Location: OSWEGO, NY 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/kg	620	27.	2.5
1,4-Dichlorobenzene	ND		ug/kg	620	22.	2.5
Methyl tert butyl ether	ND		ug/kg	250	19.	2.5
p/m-Xylene	ND		ug/kg	250	43.	2.5
o-Xylene	ND		ug/kg	250	42.	2.5
cis-1,2-Dichloroethene	ND		ug/kg	120	42.	2.5
Styrene	ND		ug/kg	250	49.	2.5
Dichlorodifluoromethane	ND		ug/kg	1200	62.	2.5
Acetone	ND		ug/kg	1200	280	2.5
Carbon disulfide	ND		ug/kg	1200	140	2.5
2-Butanone	ND		ug/kg	1200	85.	2.5
4-Methyl-2-pentanone	ND		ug/kg	1200	30.	2.5
2-Hexanone	ND		ug/kg	1200	82.	2.5
1,2-Dibromoethane	ND		ug/kg	490	24.	2.5
n-Butylbenzene	ND		ug/kg	120	28.	2.5
sec-Butylbenzene	ND		ug/kg	120	27.	2.5
tert-Butylbenzene	ND		ug/kg	620	30.	2.5
1,2-Dibromo-3-chloropropane	ND		ug/kg	620	49.	2.5
Isopropylbenzene	ND		ug/kg	120	24.	2.5
p-Isopropyltoluene	37	J	ug/kg	120	25.	2.5
Naphthalene	18000		ug/kg	620	17.	2.5
n-Propylbenzene	ND		ug/kg	120	26.	2.5
1,2,4-Trichlorobenzene	ND		ug/kg	620	26.	2.5
1,3,5-Trimethylbenzene	26	J	ug/kg	620	20.	2.5
1,2,4-Trimethylbenzene	58	J	ug/kg	620	23.	2.5
Methyl Acetate	ND		ug/kg	2500	57.	2.5
Cyclohexane	ND		ug/kg	2500	53.	2.5
Freon-113	ND		ug/kg	2500	63.	2.5
Methyl cyclohexane	ND		ug/kg	490	30.	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/27/18 08:16
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09 Batch: WG1100736-10					
Methylene chloride	ND		ug/kg	500	82.
1,1-Dichloroethane	ND		ug/kg	75	14.
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	17.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	8.8
1,1,2-Trichloroethane	ND		ug/kg	75	16.
Tetrachloroethene	ND		ug/kg	50	15.
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	21.
1,2-Dichloroethane	ND		ug/kg	50	12.
1,1,1-Trichloroethane	ND		ug/kg	50	18.
Bromodichloromethane	ND		ug/kg	50	15.
trans-1,3-Dichloropropene	ND		ug/kg	50	10.
cis-1,3-Dichloropropene	ND		ug/kg	50	12.
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	15.
Benzene	ND		ug/kg	50	9.6
Toluene	10	J	ug/kg	75	9.8
Ethylbenzene	ND		ug/kg	50	8.5
Chloromethane	ND		ug/kg	250	22.
Bromomethane	56	J	ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	16.
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	19.
trans-1,2-Dichloroethene	ND		ug/kg	75	12.
Trichloroethene	ND		ug/kg	50	15.
1,2-Dichlorobenzene	ND		ug/kg	250	9.1
1,3-Dichlorobenzene	ND		ug/kg	250	11.

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/27/18 08:16
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09 Batch: WG1100736-10					
1,4-Dichlorobenzene	ND		ug/kg	250	9.1
Methyl tert butyl ether	ND		ug/kg	100	7.6
p/m-Xylene	ND		ug/kg	100	18.
o-Xylene	ND		ug/kg	100	17.
cis-1,2-Dichloroethene	ND		ug/kg	50	17.
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	25.
Acetone	220	J	ug/kg	500	110
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	34.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
2-Hexanone	ND		ug/kg	500	33.
1,2-Dibromoethane	ND		ug/kg	200	10.
n-Butylbenzene	ND		ug/kg	50	11.
sec-Butylbenzene	ND		ug/kg	50	11.
tert-Butylbenzene	ND		ug/kg	250	12.
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Isopropylbenzene	ND		ug/kg	50	9.7
p-Isopropyltoluene	ND		ug/kg	50	10.
Naphthalene	ND		ug/kg	250	6.9
n-Propylbenzene	ND		ug/kg	50	11.
1,2,4-Trichlorobenzene	ND		ug/kg	250	11.
1,3,5-Trimethylbenzene	ND		ug/kg	250	8.0
1,2,4-Trimethylbenzene	ND		ug/kg	250	9.3
Methyl Acetate	ND		ug/kg	1000	23.
Cyclohexane	ND		ug/kg	1000	22.
Freon-113	ND		ug/kg	1000	26.
Methyl cyclohexane	ND		ug/kg	200	12.

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/27/18 08:16
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09 Batch: WG1100736-10					
Tentatively Identified Compounds					
Total TIC Compounds	224	J	ug/kg		
Unknown	224	J	ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/27/18 08:25
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG1100992-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/27/18 08:25
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG1100992-5					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	2.8	J	ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	ND		ug/kg	5.0	0.14
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
Methyl Acetate	ND		ug/kg	20	0.46
Cyclohexane	ND		ug/kg	20	0.43
Freon-113	ND		ug/kg	20	0.51
Methyl cyclohexane	ND		ug/kg	4.0	0.24

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/27/18 08:25
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG1100992-5					
Tentatively Identified Compounds					
Total TIC Compounds	2.82	J	ug/kg		
Unknown	2.82	J	ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	92		70-130

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/28/18 09:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1101340-5					
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: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/28/18 09:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1101340-5					
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: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/28/18 09:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1101340-5					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	89		70-130

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/28/18 08:14
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1101407-5					
Methylene chloride	3.6	J	ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/28/18 08:14
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1101407-5					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	3.3	J	ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	ND		ug/kg	5.0	0.14
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
Methyl Acetate	ND		ug/kg	20	0.46
Cyclohexane	ND		ug/kg	20	0.43
Freon-113	ND		ug/kg	20	0.51
Methyl cyclohexane	ND		ug/kg	4.0	0.24

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/28/18 08:14
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1101407-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	91		70-130

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/29/18 08:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1101648-5					
Methylene chloride	220	J	ug/kg	500	82.
1,1-Dichloroethane	ND		ug/kg	75	14.
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	17.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	8.8
1,1,2-Trichloroethane	ND		ug/kg	75	16.
Tetrachloroethene	ND		ug/kg	50	15.
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	21.
1,2-Dichloroethane	ND		ug/kg	50	12.
1,1,1-Trichloroethane	ND		ug/kg	50	18.
Bromodichloromethane	ND		ug/kg	50	15.
trans-1,3-Dichloropropene	ND		ug/kg	50	10.
cis-1,3-Dichloropropene	ND		ug/kg	50	12.
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	15.
Benzene	ND		ug/kg	50	9.6
Toluene	ND		ug/kg	75	9.8
Ethylbenzene	ND		ug/kg	50	8.5
Chloromethane	ND		ug/kg	250	22.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	16.
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	19.
trans-1,2-Dichloroethene	ND		ug/kg	75	12.
Trichloroethene	ND		ug/kg	50	15.
1,2-Dichlorobenzene	ND		ug/kg	250	9.1
1,3-Dichlorobenzene	ND		ug/kg	250	11.

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/29/18 08:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1101648-5					
1,4-Dichlorobenzene	ND		ug/kg	250	9.1
Methyl tert butyl ether	ND		ug/kg	100	7.6
p/m-Xylene	ND		ug/kg	100	18.
o-Xylene	ND		ug/kg	100	17.
cis-1,2-Dichloroethene	ND		ug/kg	50	17.
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	25.
Acetone	200	J	ug/kg	500	110
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	34.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
2-Hexanone	ND		ug/kg	500	33.
1,2-Dibromoethane	ND		ug/kg	200	10.
n-Butylbenzene	ND		ug/kg	50	11.
sec-Butylbenzene	ND		ug/kg	50	11.
tert-Butylbenzene	ND		ug/kg	250	12.
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Isopropylbenzene	ND		ug/kg	50	9.7
p-Isopropyltoluene	ND		ug/kg	50	10.
Naphthalene	ND		ug/kg	250	6.9
n-Propylbenzene	ND		ug/kg	50	11.
1,2,4-Trichlorobenzene	ND		ug/kg	250	11.
1,3,5-Trimethylbenzene	ND		ug/kg	250	8.0
1,2,4-Trimethylbenzene	ND		ug/kg	250	9.3
Methyl Acetate	ND		ug/kg	1000	23.
Cyclohexane	ND		ug/kg	1000	22.
Freon-113	ND		ug/kg	1000	26.
Methyl cyclohexane	ND		ug/kg	200	12.

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/29/18 08:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1101648-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09 Batch: WG1100736-8 WG1100736-9								
Methylene chloride	95		97		70-130	2		30
1,1-Dichloroethane	109		110		70-130	1		30
Chloroform	100		103		70-130	3		30
Carbon tetrachloride	107		110		70-130	3		30
1,2-Dichloropropane	105		109		70-130	4		30
Dibromochloromethane	111		116		70-130	4		30
1,1,2-Trichloroethane	104		111		70-130	7		30
Tetrachloroethene	122		120		70-130	2		30
Chlorobenzene	111		112		70-130	1		30
Trichlorofluoromethane	78		81		70-139	4		30
1,2-Dichloroethane	95		100		70-130	5		30
1,1,1-Trichloroethane	107		109		70-130	2		30
Bromodichloromethane	95		100		70-130	5		30
trans-1,3-Dichloropropene	109		112		70-130	3		30
cis-1,3-Dichloropropene	96		99		70-130	3		30
Bromoform	98		106		70-130	8		30
1,1,2,2-Tetrachloroethane	100		109		70-130	9		30
Benzene	100		102		70-130	2		30
Toluene	114		114		70-130	0		30
Ethylbenzene	109		110		70-130	1		30
Chloromethane	**136**	Q	**136**	Q	52-130	0		30
Bromomethane	91		98		57-147	7		30
Vinyl chloride	111		113		67-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSWEGO MIDTOWN

Project Number: 2181011

Lab Number: L1810007

Report Date: 03/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09 Batch: WG1100736-8 WG1100736-9								
Chloroethane	87		94		50-151	8		30
1,1-Dichloroethene	102		99		65-135	3		30
trans-1,2-Dichloroethene	100		100		70-130	0		30
Trichloroethene	102		104		70-130	2		30
1,2-Dichlorobenzene	114		119		70-130	4		30
1,3-Dichlorobenzene	118		119		70-130	1		30
1,4-Dichlorobenzene	115		118		70-130	3		30
Methyl tert butyl ether	85		89		66-130	5		30
p/m-Xylene	110		109		70-130	1		30
o-Xylene	107		107		70-130	0		30
cis-1,2-Dichloroethene	96		100		70-130	4		30
Styrene	102		104		70-130	2		30
Dichlorodifluoromethane	97		95		30-146	2		30
Acetone	112		126		54-140	12		30
Carbon disulfide	95		94		59-130	1		30
2-Butanone	102		115		70-130	12		30
4-Methyl-2-pentanone	104		116		70-130	11		30
2-Hexanone	108		120		70-130	11		30
1,2-Dibromoethane	102		107		70-130	5		30
n-Butylbenzene	120		121		70-130	1		30
sec-Butylbenzene	119		120		70-130	1		30
tert-Butylbenzene	115		116		70-130	1		30
1,2-Dibromo-3-chloropropane	97		109		68-130	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09 Batch: WG1100736-8 WG1100736-9								
Isopropylbenzene	108		111		70-130	3		30
p-Isopropyltoluene	117		117		70-130	0		30
Naphthalene	98		106		70-130	8		30
n-Propylbenzene	111		112		70-130	1		30
1,2,4-Trichlorobenzene	108		112		70-130	4		30
1,3,5-Trimethylbenzene	112		114		70-130	2		30
1,2,4-Trimethylbenzene	112		113		70-130	1		30
Methyl Acetate	106		117		51-146	10		30
Cyclohexane	113		115		59-142	2		30
Freon-113	96		95		50-139	1		30
Methyl cyclohexane	97		99		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		95		70-130
Toluene-d8	106		105		70-130
4-Bromofluorobenzene	93		96		70-130
Dibromofluoromethane	94		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG1100992-3 WG1100992-4								
Methylene chloride	88		87		70-130	1		30
1,1-Dichloroethane	98		97		70-130	1		30
Chloroform	89		89		70-130	0		30
Carbon tetrachloride	98		96		70-130	2		30
1,2-Dichloropropane	97		98		70-130	1		30
Dibromochloromethane	96		97		70-130	1		30
1,1,2-Trichloroethane	106		107		70-130	1		30
Tetrachloroethene	97		96		70-130	1		30
Chlorobenzene	99		98		70-130	1		30
Trichlorofluoromethane	87		86		70-139	1		30
1,2-Dichloroethane	95		95		70-130	0		30
1,1,1-Trichloroethane	94		94		70-130	0		30
Bromodichloromethane	89		92		70-130	3		30
trans-1,3-Dichloropropene	92		95		70-130	3		30
cis-1,3-Dichloropropene	90		92		70-130	2		30
Bromoform	94		98		70-130	4		30
1,1,2,2-Tetrachloroethane	109		111		70-130	2		30
Benzene	91		91		70-130	0		30
Toluene	104		102		70-130	2		30
Ethylbenzene	104		102		70-130	2		30
Chloromethane	122		122		52-130	0		30
Bromomethane	88		87		57-147	1		30
Vinyl chloride	102		103		67-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG1100992-3 WG1100992-4								
Chloroethane	90		90		50-151	0		30
1,1-Dichloroethene	88		84		65-135	5		30
trans-1,2-Dichloroethene	90		89		70-130	1		30
Trichloroethene	91		90		70-130	1		30
1,2-Dichlorobenzene	103		103		70-130	0		30
1,3-Dichlorobenzene	103		102		70-130	1		30
1,4-Dichlorobenzene	100		100		70-130	0		30
Methyl tert butyl ether	92		93		66-130	1		30
p/m-Xylene	96		95		70-130	1		30
o-Xylene	95		94		70-130	1		30
cis-1,2-Dichloroethene	89		89		70-130	0		30
Styrene	93		92		70-130	1		30
Dichlorodifluoromethane	105		102		30-146	3		30
Acetone	117		115		54-140	2		30
Carbon disulfide	100		72		59-130	**33**	Q	30
2-Butanone	109		97		70-130	12		30
4-Methyl-2-pentanone	102		105		70-130	3		30
2-Hexanone	101		106		70-130	5		30
1,2-Dibromoethane	100		101		70-130	1		30
n-Butylbenzene	112		111		70-130	1		30
sec-Butylbenzene	112		110		70-130	2		30
tert-Butylbenzene	110		108		70-130	2		30
1,2-Dibromo-3-chloropropane	93		99		68-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG1100992-3 WG1100992-4								
Isopropylbenzene	112		111		70-130	1		30
p-Isopropyltoluene	110		108		70-130	2		30
Naphthalene	101		103		70-130	2		30
n-Propylbenzene	113		112		70-130	1		30
1,2,4-Trichlorobenzene	103		103		70-130	0		30
1,3,5-Trimethylbenzene	109		108		70-130	1		30
1,2,4-Trimethylbenzene	110		109		70-130	1		30
Methyl Acetate	103		106		51-146	3		30
Cyclohexane	105		104		59-142	1		30
Freon-113	105		77		50-139	**31**	Q	30
Methyl cyclohexane	92		91		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		105		70-130
Toluene-d8	108		108		70-130
4-Bromofluorobenzene	105		106		70-130
Dibromofluoromethane	91		91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1101340-3 WG1101340-4								
Methylene chloride	81		82		70-130	1		20
1,1-Dichloroethane	89		90		70-130	1		20
Chloroform	84		84		70-130	0		20
Carbon tetrachloride	99		99		63-132	0		20
1,2-Dichloropropane	85		84		70-130	1		20
Dibromochloromethane	82		82		63-130	0		20
1,1,2-Trichloroethane	84		84		70-130	0		20
Tetrachloroethene	90		88		70-130	2		20
Chlorobenzene	87		85		75-130	2		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	82		82		70-130	0		20
1,1,1-Trichloroethane	96		94		67-130	2		20
Bromodichloromethane	81		83		67-130	2		20
trans-1,3-Dichloropropene	94		93		70-130	1		20
cis-1,3-Dichloropropene	84		85		70-130	1		20
Bromoform	79		79		54-136	0		20
1,1,2,2-Tetrachloroethane	86		90		67-130	5		20
Benzene	87		87		70-130	0		20
Toluene	90		90		70-130	0		20
Ethylbenzene	95		94		70-130	1		20
Chloromethane	94		94		64-130	0		20
Bromomethane	51		51		39-139	0		20
Vinyl chloride	98		97		55-140	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1101340-3 WG1101340-4								
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	91		93		61-145	2		20
trans-1,2-Dichloroethene	89		88		70-130	1		20
Trichloroethene	83		84		70-130	1		20
1,2-Dichlorobenzene	83		82		70-130	1		20
1,3-Dichlorobenzene	87		87		70-130	0		20
1,4-Dichlorobenzene	85		86		70-130	1		20
Methyl tert butyl ether	85		87		63-130	2		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	83		82		70-130	1		20
Styrene	85		85		70-130	0		20
Dichlorodifluoromethane	130		120		36-147	8		20
Acetone	100		110		58-148	10		20
Carbon disulfide	92		92		51-130	0		20
2-Butanone	91		86		63-138	6		20
4-Methyl-2-pentanone	83		84		59-130	1		20
2-Hexanone	92		92		57-130	0		20
1,2-Dibromoethane	83		83		70-130	0		20
n-Butylbenzene	120		120		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	88		89		70-130	1		20
1,2-Dibromo-3-chloropropane	77		81		41-144	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1101340-3 WG1101340-4								
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	90		90		70-130	0		20
n-Propylbenzene	100		100		69-130	0		20
1,2,4-Trichlorobenzene	83		83		70-130	0		20
1,3,5-Trimethylbenzene	98		98		64-130	0		20
1,2,4-Trimethylbenzene	100		99		70-130	1		20
Methyl Acetate	82		82		70-130	0		20
Cyclohexane	98		97		70-130	1		20
Freon-113	99		98		70-130	1		20
Methyl cyclohexane	100		98		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	110		111		70-130
Dibromofluoromethane	91		91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1101407-3 WG1101407-4								
Methylene chloride	101		104		70-130	3		30
1,1-Dichloroethane	92		94		70-130	2		30
Chloroform	86		88		70-130	2		30
Carbon tetrachloride	86		93		70-130	8		30
1,2-Dichloropropane	94		95		70-130	1		30
Dibromochloromethane	91		96		70-130	5		30
1,1,2-Trichloroethane	105		106		70-130	1		30
Tetrachloroethene	96		97		70-130	1		30
Chlorobenzene	96		97		70-130	1		30
Trichlorofluoromethane	81		85		70-139	5		30
1,2-Dichloroethane	93		94		70-130	1		30
1,1,1-Trichloroethane	88		92		70-130	4		30
Bromodichloromethane	86		89		70-130	3		30
trans-1,3-Dichloropropene	84		91		70-130	8		30
cis-1,3-Dichloropropene	84		89		70-130	6		30
Bromoform	88		95		70-130	8		30
1,1,2,2-Tetrachloroethane	109		113		70-130	4		30
Benzene	87		89		70-130	2		30
Toluene	100		101		70-130	1		30
Ethylbenzene	99		101		70-130	2		30
Chloromethane	115		101		52-130	13		30
Bromomethane	82		79		57-147	4		30
Vinyl chloride	91		93		67-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1101407-3 WG1101407-4								
Chloroethane	81		82		50-151	1		30
1,1-Dichloroethene	80		83		65-135	4		30
trans-1,2-Dichloroethene	86		88		70-130	2		30
Trichloroethene	86		88		70-130	2		30
1,2-Dichlorobenzene	100		103		70-130	3		30
1,3-Dichlorobenzene	99		102		70-130	3		30
1,4-Dichlorobenzene	98		100		70-130	2		30
Methyl tert butyl ether	94		94		66-130	0		30
p/m-Xylene	92		94		70-130	2		30
o-Xylene	92		94		70-130	2		30
cis-1,2-Dichloroethene	87		88		70-130	1		30
Styrene	90		91		70-130	1		30
Dichlorodifluoromethane	101		101		30-146	0		30
Acetone	**151**	Q	127		54-140	17		30
Carbon disulfide	89		93		59-130	4		30
2-Butanone	112		104		70-130	7		30
4-Methyl-2-pentanone	106		108		70-130	2		30
2-Hexanone	110		112		70-130	2		30
1,2-Dibromoethane	101		102		70-130	1		30
n-Butylbenzene	108		111		70-130	3		30
sec-Butylbenzene	107		111		70-130	4		30
tert-Butylbenzene	106		109		70-130	3		30
1,2-Dibromo-3-chloropropane	93		98		68-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1101407-3 WG1101407-4								
Isopropylbenzene	107		110		70-130	3		30
p-Isopropyltoluene	106		108		70-130	2		30
Naphthalene	102		105		70-130	3		30
n-Propylbenzene	108		111		70-130	3		30
1,2,4-Trichlorobenzene	100		100		70-130	0		30
1,3,5-Trimethylbenzene	104		108		70-130	4		30
1,2,4-Trimethylbenzene	106		110		70-130	4		30
Methyl Acetate	109		110		51-146	1		30
Cyclohexane	99		102		59-142	3		30
Freon-113	96		100		50-139	4		30
Methyl cyclohexane	89		92		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		101		70-130
Toluene-d8	108		107		70-130
4-Bromofluorobenzene	107		108		70-130
Dibromofluoromethane	91		91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1101648-3 WG1101648-4								
Methylene chloride	90		85		70-130	6		30
1,1-Dichloroethane	102		98		70-130	4		30
Chloroform	100		92		70-130	8		30
Carbon tetrachloride	101		96		70-130	5		30
1,2-Dichloropropane	105		103		70-130	2		30
Dibromochloromethane	109		103		70-130	6		30
1,1,2-Trichloroethane	104		100		70-130	4		30
Tetrachloroethene	116		108		70-130	7		30
Chlorobenzene	108		102		70-130	6		30
Trichlorofluoromethane	85		86		70-139	1		30
1,2-Dichloroethane	97		93		70-130	4		30
1,1,1-Trichloroethane	101		97		70-130	4		30
Bromodichloromethane	97		93		70-130	4		30
trans-1,3-Dichloropropene	108		102		70-130	6		30
cis-1,3-Dichloropropene	99		92		70-130	7		30
Bromoform	97		90		70-130	7		30
1,1,2,2-Tetrachloroethane	100		95		70-130	5		30
Benzene	98		94		70-130	4		30
Toluene	108		102		70-130	6		30
Ethylbenzene	106		99		70-130	7		30
Chloromethane	**148**	Q	126		52-130	16		30
Bromomethane	112		102		57-147	9		30
Vinyl chloride	128		124		67-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSWEGO MIDTOWN

Project Number: 2181011

Lab Number: L1810007

Report Date: 03/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1101648-3 WG1101648-4								
Chloroethane	98		97		50-151	1		30
1,1-Dichloroethene	89		87		65-135	2		30
trans-1,2-Dichloroethene	94		87		70-130	8		30
Trichloroethene	100		95		70-130	5		30
1,2-Dichlorobenzene	116		106		70-130	9		30
1,3-Dichlorobenzene	115		105		70-130	9		30
1,4-Dichlorobenzene	114		104		70-130	9		30
Methyl tert butyl ether	86		79		66-130	8		30
p/m-Xylene	107		100		70-130	7		30
o-Xylene	104		97		70-130	7		30
cis-1,2-Dichloroethene	93		89		70-130	4		30
Styrene	103		96		70-130	7		30
Dichlorodifluoromethane	106		88		30-146	19		30
Acetone	110		107		54-140	3		30
Carbon disulfide	84		82		59-130	2		30
2-Butanone	104		104		70-130	0		30
4-Methyl-2-pentanone	109		100		70-130	9		30
2-Hexanone	111		108		70-130	3		30
1,2-Dibromoethane	102		98		70-130	4		30
n-Butylbenzene	115		108		70-130	6		30
sec-Butylbenzene	112		106		70-130	6		30
tert-Butylbenzene	107		100		70-130	7		30
1,2-Dibromo-3-chloropropane	96		91		68-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1101648-3 WG1101648-4								
Isopropylbenzene	100		96		70-130	4		30
p-Isopropyltoluene	112		104		70-130	7		30
Naphthalene	99		91		70-130	8		30
n-Propylbenzene	103		98		70-130	5		30
1,2,4-Trichlorobenzene	105		98		70-130	7		30
1,3,5-Trimethylbenzene	108		100		70-130	8		30
1,2,4-Trimethylbenzene	109		99		70-130	10		30
Methyl Acetate	106		102		51-146	4		30
Cyclohexane	104		104		59-142	0		30
Freon-113	83		82		50-139	1		30
Methyl cyclohexane	91		90		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		96		70-130
Toluene-d8	106		104		70-130
4-Bromofluorobenzene	92		91		70-130
Dibromofluoromethane	93		93		70-130

SEMIVOLATILES

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-06
Client ID: LBA-SB-04 2'-3.7'
Sample Location: OSWEGO, NY

Date Collected: 03/21/18 00:00
Date Received: 03/23/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/26/18 22:17
Analyst: EK
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 03/25/18 00:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	320		ug/kg	170	23.	1
Fluoranthene	17000	E	ug/kg	130	25.	1
Benzo(a)anthracene	7400		ug/kg	130	25.	1
Benzo(a)pyrene	8900	E	ug/kg	170	53.	1
Benzo(b)fluoranthene	12000	E	ug/kg	130	37.	1
Benzo(k)fluoranthene	3100		ug/kg	130	35.	1
Chrysene	7600		ug/kg	130	23.	1
Acenaphthylene	2100		ug/kg	170	34.	1
Anthracene	2300		ug/kg	130	43.	1
Benzo(ghi)perylene	5100		ug/kg	170	26.	1
Fluorene	710		ug/kg	220	21.	1
Phenanthrene	9900	E	ug/kg	130	26.	1
Dibenzo(a,h)anthracene	1100		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	5600		ug/kg	170	30.	1
Pyrene	14000	E	ug/kg	130	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	77		30-120
4-Terphenyl-d14	84		18-120

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-06 D
Client ID: LBA-SB-04 2'-3.7'
Sample Location: OSWEGO, NY

Date Collected: 03/21/18 00:00
Date Received: 03/23/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/30/18 00:31
Analyst: CB
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 03/25/18 00:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	15000		ug/kg	660	120	5
Benzo(a)pyrene	6600		ug/kg	870	270	5
Benzo(b)fluoranthene	8700		ug/kg	660	180	5
Phenanthrene	8300		ug/kg	660	130	5
Pyrene	12000		ug/kg	660	110	5

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-07
Client ID: LBA-SB-06 2'-4'
Sample Location: OSWEGO, NY

Date Collected: 03/21/18 16:45
Date Received: 03/23/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/26/18 17:53
Analyst: EK
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/25/18 00:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
Fluoranthene	ND		ug/kg	110	21.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	78		30-120
4-Terphenyl-d14	71		18-120

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/27/18 01:22
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 03/25/18 00:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1100284-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	98	19.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/27/18 01:22
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 03/25/18 00:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1100284-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	98		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	93		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSWEGO MIDTOWN

Project Number: 2181011

Lab Number: L1810007

Report Date: 03/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1100284-2 WG1100284-3								
Acenaphthene	80		78		31-137	3		50
Fluoranthene	87		82		40-140	6		50
Benzo(a)anthracene	84		82		40-140	2		50
Benzo(a)pyrene	92		92		40-140	0		50
Benzo(b)fluoranthene	92		90		40-140	2		50
Benzo(k)fluoranthene	87		85		40-140	2		50
Chrysene	80		78		40-140	3		50
Acenaphthylene	86		83		40-140	4		50
Anthracene	84		82		40-140	2		50
Benzo(ghi)perylene	87		87		40-140	0		50
Fluorene	81		78		40-140	4		50
Phenanthrene	80		77		40-140	4		50
Dibenzo(a,h)anthracene	90		89		40-140	1		50
Indeno(1,2,3-cd)pyrene	75		75		40-140	0		50
Pyrene	84		78		35-142	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	91		84		25-120
Phenol-d6	95		87		10-120
Nitrobenzene-d5	83		77		23-120
2-Fluorobiphenyl	82		78		30-120
2,4,6-Tribromophenol	90		88		10-136
4-Terphenyl-d14	89		81		18-120

METALS

Project Name: OSWEGO MIDTOWN
Lab Number: L1810007
Project Number: 2181011
Report Date: 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-06
Client ID: LBA-SB-04 2'-3.7'
Sample Location: OSWEGO, NY
Date Collected: 03/21/18 00:00
Date Received: 03/23/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	14.6		mg/kg	0.521	0.108	1	03/26/18 18:57	03/27/18 16:22	EPA 3050B	1,6010C	AB
Barium, Total	195		mg/kg	0.521	0.091	1	03/26/18 18:57	03/27/18 16:22	EPA 3050B	1,6010C	AB
Cadmium, Total	0.990		mg/kg	0.521	0.051	1	03/26/18 18:57	03/27/18 16:22	EPA 3050B	1,6010C	AB
Chromium, Total	76.4		mg/kg	0.521	0.050	1	03/26/18 18:57	03/27/18 16:22	EPA 3050B	1,6010C	AB
Lead, Total	704		mg/kg	2.60	0.140	1	03/26/18 18:57	03/27/18 16:22	EPA 3050B	1,6010C	AB
Mercury, Total	3.64		mg/kg	0.420	0.089	5	03/27/18 05:00	03/27/18 21:12	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	1.04	0.134	1	03/26/18 18:57	03/27/18 16:22	EPA 3050B	1,6010C	AB
Silver, Total	0.448	J	mg/kg	0.521	0.147	1	03/26/18 18:57	03/27/18 16:22	EPA 3050B	1,6010C	AB

Project Name: OSWEGO MIDTOWN
Lab Number: L1810007
Project Number: 2181011
Report Date: 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-07
Client ID: LBA-SB-06 2'-4'
Sample Location: OSWEGO, NY
Date Collected: 03/21/18 16:45
Date Received: 03/23/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	2.98		mg/kg	0.413	0.086	1	03/26/18 18:57	03/27/18 16:26	EPA 3050B	1,6010C	AB
Barium, Total	172		mg/kg	0.413	0.072	1	03/26/18 18:57	03/27/18 16:26	EPA 3050B	1,6010C	AB
Cadmium, Total	1.12		mg/kg	0.413	0.041	1	03/26/18 18:57	03/27/18 16:26	EPA 3050B	1,6010C	AB
Chromium, Total	30.3		mg/kg	0.413	0.040	1	03/26/18 18:57	03/27/18 16:26	EPA 3050B	1,6010C	AB
Lead, Total	1.14	J	mg/kg	2.07	0.111	1	03/26/18 18:57	03/27/18 16:26	EPA 3050B	1,6010C	AB
Mercury, Total	0.041	J	mg/kg	0.069	0.015	1	03/27/18 05:00	03/27/18 17:57	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	4.13	0.533	5	03/26/18 18:57	03/27/18 17:25	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.413	0.117	1	03/26/18 18:57	03/27/18 16:26	EPA 3050B	1,6010C	AB

Project Name: OSWEGO MIDTOWN **Lab Number:** L1810007

Project Number: 2181011 **Report Date:** 03/30/18

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): 06-07 Batch: WG1100611-1										
Arsenic, Total	0.100	J	mg/kg	0.400	0.083	1	03/26/18 18:57	03/27/18 14:05	1,6010C	PS
Barium, Total	ND		mg/kg	0.400	0.070	1	03/26/18 18:57	03/27/18 14:05	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/26/18 18:57	03/27/18 14:05	1,6010C	PS
Chromium, Total	0.068	J	mg/kg	0.400	0.038	1	03/26/18 18:57	03/27/18 14:05	1,6010C	PS
Lead, Total	ND		mg/kg	2.00	0.107	1	03/26/18 18:57	03/27/18 14:05	1,6010C	PS
Selenium, Total	0.160	J	mg/kg	0.800	0.103	1	03/26/18 18:57	03/27/18 14:05	1,6010C	PS
Silver, Total	ND		mg/kg	0.400	0.113	1	03/26/18 18:57	03/27/18 14:05	1,6010C	PS

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): 06-07 Batch: WG1100709-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	03/27/18 05:00	03/27/18 12:53	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSWEGO MIDTOWN

Project Number: 2181011

Lab Number: L1810007

Report Date: 03/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-07 Batch: WG1100611-2 SRM Lot Number: D098-540								
Arsenic, Total	100		-		83-117	-		
Barium, Total	93		-		82-118	-		
Cadmium, Total	92		-		82-117	-		
Chromium, Total	93		-		83-119	-		
Lead, Total	94		-		82-117	-		
Selenium, Total	95		-		78-121	-		
Silver, Total	102		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 06-07 Batch: WG1100709-2 SRM Lot Number: D098-540								
Mercury, Total	105		-		50-149	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

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): 06-07 QC Batch ID: WG1100611-3 QC Sample: L1810083-01 Client ID: MS Sample												
Arsenic, Total	2.57	10.8	10.8	76		-	-		75-125	-		20
Barium, Total	100.	180	202	**57**	Q	-	-		75-125	-		20
Cadmium, Total	0.623J	4.58	3.87	84		-	-		75-125	-		20
Chromium, Total	31.1	18	41.0	**55**	Q	-	-		75-125	-		20
Lead, Total	5.74	45.8	37.3	**69**	Q	-	-		75-125	-		20
Selenium, Total	ND	10.8	6.25	**58**	Q	-	-		75-125	-		20
Silver, Total	ND	26.9	21.1	78		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 06-07 QC Batch ID: WG1100709-3 QC Sample: L1809534-01 Client ID: MS Sample												
Mercury, Total	0.020J	0.147	0.190	**129**	Q	-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-07 QC Batch ID: WG1100611-4 QC Sample: L1810083-01 Client ID: DUP Sample						
Arsenic, Total	2.57	2.57	mg/kg	0		20
Barium, Total	100.	85.9	mg/kg	15		20
Cadmium, Total	0.623J	0.615J	mg/kg	NC		20
Chromium, Total	31.1	28.0	mg/kg	10		20
Lead, Total	5.74	5.90	mg/kg	3		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 06-07 QC Batch ID: WG1100709-4 QC Sample: L1809534-01 Client ID: DUP Sample						
Mercury, Total	0.020J	0.031J	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-05
Client ID: LBA-SB-02 4'-5'
Sample Location: OSWEGO, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/21/18 11:00
Date Received: 03/23/18
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	89.2		%	0.100	NA	1	-	03/24/18 10:58	121,2540G	RI

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-06
Client ID: LBA-SB-04 2'-3.7'
Sample Location: OSWEGO, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/21/18 00:00
Date Received: 03/23/18
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	76.2		%	0.100	NA	1	-	03/24/18 10:58	121,2540G	RI

Project Name: OSWEGO MIDTOWN
Project Number: 2181011
Lab Number: L1810007
Report Date: 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-07
Client ID: LBA-SB-06 2'-4'
Sample Location: OSWEGO, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/21/18 16:45
Date Received: 03/23/18
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	90.7		%	0.100	NA	1	-	03/24/18 10:58	121,2540G	RI

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-08
Client ID: LBA-SB-08 8'-8.4'
Sample Location: OSWEGO, NY

Date Collected: 03/22/18 08:45
Date Received: 03/23/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.1		%	0.100	NA	1	-	03/24/18 10:58	121,2540G	RI

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-09
Client ID: LBA-SB-10 9'-10'
Sample Location: OSWEGO, NY

Date Collected: 03/22/18 11:20
Date Received: 03/23/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.5		%	0.100	NA	1	-	03/24/18 10:58	121,2540G	RI

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

SAMPLE RESULTS

Lab ID: L1810007-10
Client ID: LBA-SB-13 14'-15'
Sample Location: OSWEGO, NY

Date Collected: 03/22/18 16:30
Date Received: 03/23/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.4		%	0.100	NA	1	-	03/24/18 10:58	121,2540G	RI

Lab Duplicate Analysis
Batch Quality Control

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05-10 QC Batch ID: WG1100209-1 QC Sample: L1810007-07 Client ID: LBA-SB-06 2'-4'						
Solids, Total	90.7	92.1	%	2		20

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

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(*)
L1810007-01A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1810007-01B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1810007-02A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1810007-02B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1810007-03A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1810007-03B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1810007-04A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1810007-04B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1810007-05A	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14),TS(7)
L1810007-05X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1810007-05Y	Vial Water preserved split	A	NA		2.8	Y	Absent	**24-MAR-18 12:00**	NYTCL-8260-R2(14)
L1810007-05Z	Vial Water preserved split	A	NA		2.8	Y	Absent	**24-MAR-18 12:00**	NYTCL-8260-R2(14)
L1810007-06A	Glass 60ml unpreserved split	A	NA		2.8	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)
L1810007-06B	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		NYCP51-PAH(14),TS(7)
L1810007-07A	Glass 60ml unpreserved split	A	NA		2.8	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)
L1810007-07B	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		NYCP51-PAH(14),TS(7)
L1810007-08A	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14),TS(7)
L1810007-08X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1810007-08Y	Vial Water preserved split	A	NA		2.8	Y	Absent	**24-MAR-18 12:00**	NYTCL-8260-R2(14)
L1810007-08Z	Vial Water preserved split	A	NA		2.8	Y	Absent	**24-MAR-18 12:00**	NYTCL-8260-R2(14)
L1810007-09A	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name: OSWEGO MIDTOWN
Project Number: 2181011

Lab Number: L1810007
Report Date: 03/30/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1810007-09X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1810007-09Y	Vial Water preserved split	A	NA		2.8	Y	Absent	**24-MAR-18 12:00**	NYTCL-8260-R2(14)
L1810007-09Z	Vial Water preserved split	A	NA		2.8	Y	Absent	**24-MAR-18 12:00**	NYTCL-8260-R2(14)
L1810007-10A	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14),TS(7)
L1810007-10X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1810007-10Y	Vial Water preserved split	A	NA		2.8	Y	Absent	24-MAR-18 12:00	NYTCL-8260-R2(14)
L1810007-10Z	Vial Water preserved split	A	NA		2.8	Y	Absent	24-MAR-18 12:00	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	OSWEGO MIDTOWN	**Lab Number:**	L1810007
Project Number:	2181011	**Report Date:**	03/30/18

GLOSSARY

Acronyms

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).
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.
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.
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.
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

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.

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.

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 Condensation Product".
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

Report Format: DU Report with 'J' Qualifiers

Project Name:	OSWEGO MIDTOWN	**Lab Number:**	L1810007
Project Number:	2181011	**Report Date:**	03/30/18

Data Qualifiers

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.

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

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 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.

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).

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	OSWEGO MIDTOWN	**Lab Number:**	L1810007
Project Number:	2181011	**Report Date:**	03/30/18

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: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; 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.
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, SM4500CI-D, SM2320B, SM2540C, SM4500H-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**, EPA 351.1, 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 624: Volatile Halocarbons & Aromatics,
EPA 608: 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: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, 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, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

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

NEW YORK CHAIN OF CUSTODY

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

Date Rec'd in Lab: 3/24/18

ALPHA Job #: L1810007

Client Information
Client: LaBella Associates
Address: 300 State Street
Rochester, NY 14614
Phone: 585-295-6648
Fax:
Email: jgillen@labellapc.com

Project Information
Project Name: Oswego Midtown
Project Location: Oswego, NY
Project #: 2181011
(Use Project name as Project #) ☐
Project Manager: Jennifer Gillen
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.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL + CP-51 VOCs	CP-51 SVOCs	RCRA Metals					Sample Specific Comments	Total Bottle
10007-01	MW-01	3/22/18	1445	GW	SR	X							(2) Vials	
-02	MW-02		1505		SR	X								
-03	MW-03		1520		SR	X								
-04	MW-04		1655		SR	X								
-05	LBA-SB-02 4'-5'	3/28/18	1100	SS	SR	X							(1) 2oz jar	
-06	LBA-SB-04 2'-3.7'	3/28/18	~~1320~~	SS	SR		X	X					(1) 8oz jar	
-07	LBA-SB-06 2'-4'	3/28/18	1645	SS	SR		X	X					(1) 8oz jar	
-08	LBA-SB-08 8'-8.4'	3/22/18	0845	SS	SR	X							(1) 4oz jar	
-09	LBA-SB-10 9'-10'	3/22/18	1120	SS	SR	X							(1) 4oz jar	
-10	LBA-SB-13 14'-15'	3/22/18	1630	SS	SR	X							(1) 4oz jar	

Container Type
Preservative

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

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
	3/23/18 1000	S. [illegible]/AAL	3/23/18 13:50
S. [illegible] AAL	3/23/18 13:50		3/24/18 0000

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.

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

ANALYTICAL REPORT

May 03, 2018

LaBella Associates, P.C.

Sample Delivery Group:	L988544
Samples Received:	04/25/2018
Project Number:	2181306
Description:	Midtown Plaza PHII ESA & Geotech

Report To: Mr. Steven Rife
300 State Street, Suite 201
Rochester, NY 14614

Entire Report Reviewed By:

T. Alan Harvill
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

B-1 1.5-2' L988544-01 Solid

Collected by: S. Rife | Collected date/time: 04/18/18 17:45 | Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103941	1	04/27/18 12:45	04/27/18 12:55	JD
Mercury by Method 7471B	WG1103775	1	04/26/18 20:11	04/27/18 13:23	ABL
Metals (ICP) by Method 6010C	WG1103731	1	04/26/18 21:29	04/28/18 04:30	TRB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1105374	1	05/01/18 15:05	05/02/18 08:49	DMG

B-3 1-2' L988544-02 Solid

Collected by: S. Rife | Collected date/time: 04/19/18 08:45 | Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103941	1	04/27/18 12:45	04/27/18 12:55	JD
Mercury by Method 7471B	WG1103775	1	04/26/18 20:11	04/27/18 13:31	ABL
Metals (ICP) by Method 6010C	WG1103731	1	04/26/18 21:29	04/28/18 04:33	TRB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1105374	1	05/01/18 15:05	05/02/18 06:59	DMG

B-4 8-8.5' L988544-03 Solid

Collected by: S. Rife | Collected date/time: 04/20/18 12:15 | Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103942	1	04/27/18 12:33	04/27/18 12:43	JD
Mercury by Method 7471B	WG1103775	5	04/26/18 20:11	04/27/18 14:33	ABL
Metals (ICP) by Method 6010C	WG1103731	1	04/26/18 21:29	04/28/18 04:43	TRB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1105374	1	05/01/18 15:05	05/02/18 08:27	DMG
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1105374	20	05/01/18 15:05	05/02/18 10:18	DMG

P-2 1-2' L988544-04 Solid

Collected by: S. Rife | Collected date/time: 04/18/18 09:30 | Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103942	1	04/27/18 12:33	04/27/18 12:43	JD
Mercury by Method 7471B	WG1103775	1	04/26/18 20:11	04/27/18 13:36	ABL
Metals (ICP) by Method 6010C	WG1103731	1	04/26/18 21:29	04/28/18 04:46	TRB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1105374	1	05/01/18 15:05	05/02/18 06:36	DMG

P-3 1-3' L988544-05 Solid

Collected by: S. Rife | Collected date/time: 04/20/18 13:00 | Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103942	1	04/27/18 12:33	04/27/18 12:43	JD
Mercury by Method 7471B	WG1103775	1	04/26/18 20:11	04/27/18 13:38	ABL
Metals (ICP) by Method 6010C	WG1103731	1	04/26/18 21:29	04/28/18 04:50	TRB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1105374	1	05/01/18 15:05	05/02/18 09:56	DMG
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1105374	20	05/01/18 15:05	05/02/18 11:02	DMG

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

T. Alan Harvill
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.5		1	04/27/2018 12:55	WG1103941

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Mercury	285		22.9	1	04/27/2018 13:23	WG1103775

Metals (ICP) by Method 6010C

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Arsenic	ND		2290	1	04/28/2018 04:30	WG1103731
Barium	104000		572	1	04/28/2018 04:30	WG1103731
Cadmium	ND		572	1	04/28/2018 04:30	WG1103731
Chromium	19300		1140	1	04/28/2018 04:30	WG1103731
Lead	27000		572	1	04/28/2018 04:30	WG1103731
Selenium	ND		2290	1	04/28/2018 04:30	WG1103731
Silver	ND		1140	1	04/28/2018 04:30	WG1103731

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Anthracene	22.7	J5	6.86	1	05/02/2018 08:49	WG1105374
Acenaphthene	ND	J5	6.86	1	05/02/2018 08:49	WG1105374
Acenaphthylene	10.9		6.86	1	05/02/2018 08:49	WG1105374
Benzo(a)anthracene	50.5	J5	6.86	1	05/02/2018 08:49	WG1105374
Benzo(a)pyrene	47.9	J5	6.86	1	05/02/2018 08:49	WG1105374
Benzo(b)fluoranthene	61.7	J5	6.86	1	05/02/2018 08:49	WG1105374
Benzo(g,h,i)perylene	33.1		6.86	1	05/02/2018 08:49	WG1105374
Benzo(k)fluoranthene	20.9		6.86	1	05/02/2018 08:49	WG1105374
Chrysene	48.2	J5	6.86	1	05/02/2018 08:49	WG1105374
Dibenz(a,h)anthracene	11.4		6.86	1	05/02/2018 08:49	WG1105374
Fluoranthene	102	J5	6.86	1	05/02/2018 08:49	WG1105374
Fluorene	6.91	J5	6.86	1	05/02/2018 08:49	WG1105374
Indeno(1,2,3-cd)pyrene	31.6		6.86	1	05/02/2018 08:49	WG1105374
Naphthalene	ND		22.9	1	05/02/2018 08:49	WG1105374
Phenanthrene	68.9	J5	6.86	1	05/02/2018 08:49	WG1105374
Pyrene	83.0	J5	6.86	1	05/02/2018 08:49	WG1105374
1-Methylnaphthalene	ND		22.9	1	05/02/2018 08:49	WG1105374
2-Methylnaphthalene	ND		22.9	1	05/02/2018 08:49	WG1105374
2-Chloronaphthalene	ND		22.9	1	05/02/2018 08:49	WG1105374
(S) Nitrobenzene-d5	*52.9*		*14.0-149*		*05/02/2018 08:49*	WG1105374
(S) 2-Fluorobiphenyl	*66.0*		*34.0-125*		*05/02/2018 08:49*	WG1105374
(S) p-Terphenyl-d14	*65.1*		*23.0-120*		*05/02/2018 08:49*	WG1105374

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	04/27/2018 12:55	WG1103941

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Mercury	404		22.0	1	04/27/2018 13:31	WG1103775

Metals (ICP) by Method 6010C

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Arsenic	2850		2200	1	04/28/2018 04:33	WG1103731
Barium	42600		551	1	04/28/2018 04:33	WG1103731
Cadmium	ND		551	1	04/28/2018 04:33	WG1103731
Chromium	9810		1100	1	04/28/2018 04:33	WG1103731
Lead	14500		551	1	04/28/2018 04:33	WG1103731
Selenium	ND		2200	1	04/28/2018 04:33	WG1103731
Silver	ND		1100	1	04/28/2018 04:33	WG1103731

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Anthracene	118		6.61	1	05/02/2018 06:59	WG1105374
Acenaphthene	52.9		6.61	1	05/02/2018 06:59	WG1105374
Acenaphthylene	13.3		6.61	1	05/02/2018 06:59	WG1105374
Benzo(a)anthracene	236		6.61	1	05/02/2018 06:59	WG1105374
Benzo(a)pyrene	197		6.61	1	05/02/2018 06:59	WG1105374
Benzo(b)fluoranthene	218		6.61	1	05/02/2018 06:59	WG1105374
Benzo(g,h,i)perylene	125		6.61	1	05/02/2018 06:59	WG1105374
Benzo(k)fluoranthene	99.6		6.61	1	05/02/2018 06:59	WG1105374
Chrysene	207		6.61	1	05/02/2018 06:59	WG1105374
Dibenz(a,h)anthracene	31.9		6.61	1	05/02/2018 06:59	WG1105374
Fluoranthene	583		6.61	1	05/02/2018 06:59	WG1105374
Fluorene	53.6		6.61	1	05/02/2018 06:59	WG1105374
Indeno(1,2,3-cd)pyrene	117		6.61	1	05/02/2018 06:59	WG1105374
Naphthalene	43.0		22.0	1	05/02/2018 06:59	WG1105374
Phenanthrene	527		6.61	1	05/02/2018 06:59	WG1105374
Pyrene	456		6.61	1	05/02/2018 06:59	WG1105374
1-Methylnaphthalene	ND		22.0	1	05/02/2018 06:59	WG1105374
2-Methylnaphthalene	ND		22.0	1	05/02/2018 06:59	WG1105374
2-Chloronaphthalene	ND		22.0	1	05/02/2018 06:59	WG1105374
(S) Nitrobenzene-d5	*49.8*		*14.0-149*		*05/02/2018 06:59*	WG1105374
(S) 2-Fluorobiphenyl	*53.4*		*34.0-125*		*05/02/2018 06:59*	WG1105374
(S) p-Terphenyl-d14	*54.8*		*23.0-120*		*05/02/2018 06:59*	WG1105374

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.2		1	04/27/2018 12:43	WG1103942

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Mercury	3520		122	5	04/27/2018 14:33	WG1103775

Metals (ICP) by Method 6010C

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Arsenic	7820		2430	1	04/28/2018 04:43	WG1103731
Barium	155000		608	1	04/28/2018 04:43	WG1103731
Cadmium	2430		608	1	04/28/2018 04:43	WG1103731
Chromium	13300		1220	1	04/28/2018 04:43	WG1103731
Lead	376000		608	1	04/28/2018 04:43	WG1103731
Selenium	ND		2430	1	04/28/2018 04:43	WG1103731
Silver	ND		1220	1	04/28/2018 04:43	WG1103731

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Anthracene	790		7.30	1	05/02/2018 08:27	WG1105374
Acenaphthene	356		7.30	1	05/02/2018 08:27	WG1105374
Acenaphthylene	401		7.30	1	05/02/2018 08:27	WG1105374
Benzo(a)anthracene	2150		7.30	1	05/02/2018 08:27	WG1105374
Benzo(a)pyrene	1910		7.30	1	05/02/2018 08:27	WG1105374
Benzo(b)fluoranthene	2160		7.30	1	05/02/2018 08:27	WG1105374
Benzo(g,h,i)perylene	1040		7.30	1	05/02/2018 08:27	WG1105374
Benzo(k)fluoranthene	953		7.30	1	05/02/2018 08:27	WG1105374
Chrysene	2320		7.30	1	05/02/2018 08:27	WG1105374
Dibenz(a,h)anthracene	291		7.30	1	05/02/2018 08:27	WG1105374
Fluoranthene	5290		146	20	05/02/2018 10:18	WG1105374
Fluorene	502		7.30	1	05/02/2018 08:27	WG1105374
Indeno(1,2,3-cd)pyrene	1010		7.30	1	05/02/2018 08:27	WG1105374
Naphthalene	697		24.3	1	05/02/2018 08:27	WG1105374
Phenanthrene	4490		7.30	1	05/02/2018 08:27	WG1105374
Pyrene	4150		7.30	1	05/02/2018 08:27	WG1105374
1-Methylnaphthalene	212		24.3	1	05/02/2018 08:27	WG1105374
2-Methylnaphthalene	238		24.3	1	05/02/2018 08:27	WG1105374
2-Chloronaphthalene	ND		24.3	1	05/02/2018 08:27	WG1105374
(S) Nitrobenzene-d5	*112*		*14.0-149*		*05/02/2018 08:27*	WG1105374
(S) Nitrobenzene-d5	*114*	J7	*14.0-149*		*05/02/2018 10:18*	WG1105374
(S) 2-Fluorobiphenyl	*130*	J7	*34.0-125*		*05/02/2018 10:18*	WG1105374
(S) 2-Fluorobiphenyl	*125*		*34.0-125*		*05/02/2018 08:27*	WG1105374
(S) p-Terphenyl-d14	*134*	J7	*23.0-120*		*05/02/2018 10:18*	WG1105374
(S) p-Terphenyl-d14	*123*	J1	*23.0-120*		*05/02/2018 08:27*	WG1105374

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.2		1	04/27/2018 12:43	WG1103942

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Mercury	38.3	B	22.2	1	04/27/2018 13:36	WG1103775

Metals (ICP) by Method 6010C

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Arsenic	2480		2220	1	04/28/2018 04:46	WG1103731
Barium	38700		554	1	04/28/2018 04:46	WG1103731
Cadmium	ND		554	1	04/28/2018 04:46	WG1103731
Chromium	11500		1110	1	04/28/2018 04:46	WG1103731
Lead	9990		554	1	04/28/2018 04:46	WG1103731
Selenium	ND		2220	1	04/28/2018 04:46	WG1103731
Silver	ND		1110	1	04/28/2018 04:46	WG1103731

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Anthracene	ND		6.65	1	05/02/2018 06:36	WG1105374
Acenaphthene	ND		6.65	1	05/02/2018 06:36	WG1105374
Acenaphthylene	ND		6.65	1	05/02/2018 06:36	WG1105374
Benzo(a)anthracene	8.52		6.65	1	05/02/2018 06:36	WG1105374
Benzo(a)pyrene	7.54		6.65	1	05/02/2018 06:36	WG1105374
Benzo(b)fluoranthene	9.15		6.65	1	05/02/2018 06:36	WG1105374
Benzo(g,h,i)perylene	ND		6.65	1	05/02/2018 06:36	WG1105374
Benzo(k)fluoranthene	ND		6.65	1	05/02/2018 06:36	WG1105374
Chrysene	8.59		6.65	1	05/02/2018 06:36	WG1105374
Dibenz(a,h)anthracene	ND		6.65	1	05/02/2018 06:36	WG1105374
Fluoranthene	19.8		6.65	1	05/02/2018 06:36	WG1105374
Fluorene	ND		6.65	1	05/02/2018 06:36	WG1105374
Indeno(1,2,3-cd)pyrene	ND		6.65	1	05/02/2018 06:36	WG1105374
Naphthalene	ND		22.2	1	05/02/2018 06:36	WG1105374
Phenanthrene	7.36		6.65	1	05/02/2018 06:36	WG1105374
Pyrene	15.4		6.65	1	05/02/2018 06:36	WG1105374
1-Methylnaphthalene	ND		22.2	1	05/02/2018 06:36	WG1105374
2-Methylnaphthalene	ND		22.2	1	05/02/2018 06:36	WG1105374
2-Chloronaphthalene	ND		22.2	1	05/02/2018 06:36	WG1105374
(S) Nitrobenzene-d5	*53.0*		*14.0-149*		*05/02/2018 06:36*	WG1105374
(S) 2-Fluorobiphenyl	*71.7*		*34.0-125*		*05/02/2018 06:36*	WG1105374
(S) p-Terphenyl-d14	*72.8*		*23.0-120*		*05/02/2018 06:36*	WG1105374

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.2		1	04/27/2018 12:43	WG1103942

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Mercury	1060		23.5	1	04/27/2018 13:38	WG1103775

Metals (ICP) by Method 6010C

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Arsenic	6260		2350	1	04/28/2018 04:50	WG1103731
Barium	135000		587	1	04/28/2018 04:50	WG1103731
Cadmium	ND		587	1	04/28/2018 04:50	WG1103731
Chromium	12800		1170	1	04/28/2018 04:50	WG1103731
Lead	463000		587	1	04/28/2018 04:50	WG1103731
Selenium	ND		2350	1	04/28/2018 04:50	WG1103731
Silver	ND		1170	1	04/28/2018 04:50	WG1103731

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg		date / time	
Anthracene	1790		7.04	1	05/02/2018 09:56	WG1105374
Acenaphthene	1330		7.04	1	05/02/2018 09:56	WG1105374
Acenaphthylene	490		7.04	1	05/02/2018 09:56	WG1105374
Benzo(a)anthracene	3850		7.04	1	05/02/2018 09:56	WG1105374
Benzo(a)pyrene	2640		7.04	1	05/02/2018 09:56	WG1105374
Benzo(b)fluoranthene	3490		7.04	1	05/02/2018 09:56	WG1105374
Benzo(g,h,i)perylene	1460		7.04	1	05/02/2018 09:56	WG1105374
Benzo(k)fluoranthene	991		7.04	1	05/02/2018 09:56	WG1105374
Chrysene	4030		7.04	1	05/02/2018 09:56	WG1105374
Dibenz(a,h)anthracene	503		7.04	1	05/02/2018 09:56	WG1105374
Fluoranthene	8870		141	20	05/02/2018 11:02	WG1105374
Fluorene	1380		7.04	1	05/02/2018 09:56	WG1105374
Indeno(1,2,3-cd)pyrene	1380		7.04	1	05/02/2018 09:56	WG1105374
Naphthalene	541		23.5	1	05/02/2018 09:56	WG1105374
Phenanthrene	11400		141	20	05/02/2018 11:02	WG1105374
Pyrene	6880		141	20	05/02/2018 11:02	WG1105374
1-Methylnaphthalene	383		23.5	1	05/02/2018 09:56	WG1105374
2-Methylnaphthalene	382		23.5	1	05/02/2018 09:56	WG1105374
2-Chloronaphthalene	ND		23.5	1	05/02/2018 09:56	WG1105374
(S) Nitrobenzene-d5	*66.6*	J7	*14.0-149*		*05/02/2018 11:02*	WG1105374
(S) Nitrobenzene-d5	*57.2*		*14.0-149*		*05/02/2018 09:56*	WG1105374
(S) 2-Fluorobiphenyl	*92.4*	J7	*34.0-125*		*05/02/2018 11:02*	WG1105374
(S) 2-Fluorobiphenyl	*73.9*		*34.0-125*		*05/02/2018 09:56*	WG1105374
(S) p-Terphenyl-d14	*79.0*		*23.0-120*		*05/02/2018 09:56*	WG1105374
(S) p-Terphenyl-d14	*76.0*	J7	*23.0-120*		*05/02/2018 11:02*	WG1105374

Method Blank (MB)

(MB) R3305781-1 04/27/18 12:55

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

L988534-01 Original Sample (OS) • Duplicate (DUP)

(OS) L988534-01 04/27/18 12:55 • (DUP) R3305781-3 04/27/18 12:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	76.8	74.6	1	2.98		5

Laboratory Control Sample (LCS)

(LCS) R3305781-2 04/27/18 12:55

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3305776-1 04/27/18 12:43

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L988544-03 Original Sample (OS) • Duplicate (DUP)

(OS) L988544-03 04/27/18 12:43 • (DUP) R3305776-3 04/27/18 12:43

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	82.2	82.4	1	0.249		5

Laboratory Control Sample (LCS)

(LCS) R3305776-2 04/27/18 12:43

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3305354-1 04/27/18 13:15

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Mercury	4.81	J	2.80	20.0

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3305354-2 04/27/18 13:18 • (LCSD) R3305354-3 04/27/18 13:20

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	300	285	276	94.9	92.0	80.0-120			3.06	20

L988544-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L988544-01 04/27/18 13:23 • (MS) R3305354-4 04/27/18 13:25 • (MSD) R3305354-5 04/27/18 13:28

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	343	285	597	679	91.1	115	1	75.0-125			12.8	20

Method Blank (MB)

(MB) R3305467-1 04/28/18 04:02

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Arsenic	U		650	2000
Barium	U		170	500
Cadmium	U		70.0	500
Chromium	U		140	1000
Lead	U		190	500
Selenium	U		740	2000
Silver	U		280	1000

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3305467-2 04/28/18 04:05 • (LCSD) R3305467-3 04/28/18 04:11

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic	100000	95700	90100	95.7	90.1	80.0-120			6.00	20
Barium	100000	102000	95100	102	95.1	80.0-120			6.74	20
Cadmium	100000	96900	90800	96.9	90.8	80.0-120			6.56	20
Chromium	100000	97500	91500	97.5	91.5	80.0-120			6.35	20
Lead	100000	96400	91000	96.4	91.0	80.0-120			5.78	20
Selenium	100000	95200	89800	95.2	89.8	80.0-120			5.85	20
Silver	20000	18400	17500	92.0	87.7	80.0-120			4.75	20

L988642-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L988642-01 04/28/18 04:14 • (MS) R3305467-6 04/28/18 04:23 • (MSD) R3305467-7 04/28/18 04:26

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	113000	ND	109000	98900	93.8	85.2	1	75.0-125			9.33	20
Barium	113000	94100	187000	184000	82.0	79.7	1	75.0-125			1.40	20
Cadmium	113000	ND	110000	101000	97.3	89.1	1	75.0-125			8.78	20
Chromium	113000	32000	139000	129000	94.7	85.6	1	75.0-125			7.66	20
Lead	113000	1870	117000	108000	102	94.0	1	75.0-125			7.79	20
Selenium	113000	ND	107000	97200	94.0	85.7	1	75.0-125			9.19	20
Silver	22700	ND	21000	19400	92.4	85.5	1	75.0-125			7.74	20

Method Blank (MB)

(MB) R3306239-3 05/02/18 03:38

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Anthracene	U		0.600	6.00
Acenaphthene	U		0.600	6.00
Acenaphthylene	U		0.600	6.00
Benzo(a)anthracene	U		0.600	6.00
Benzo(a)pyrene	U		0.600	6.00
Benzo(b)fluoranthene	U		0.600	6.00
Benzo(g,h,i)perylene	U		0.600	6.00
Benzo(k)fluoranthene	U		0.600	6.00
Chrysene	U		0.600	6.00
Dibenz(a,h)anthracene	U		0.600	6.00
Fluoranthene	U		0.600	6.00
Fluorene	U		0.600	6.00
Indeno(1,2,3-cd)pyrene	U		0.600	6.00
Naphthalene	U		2.00	20.0
Phenanthrene	U		0.600	6.00
Pyrene	U		0.600	6.00
1-Methylnaphthalene	U		2.00	20.0
2-Methylnaphthalene	U		2.00	20.0
2-Chloronaphthalene	U		2.00	20.0
(S) Nitrobenzene-d5	*56.3*			*14.0-149*
(S) 2-Fluorobiphenyl	*75.9*			*34.0-125*
(S) p-Terphenyl-d14	*76.9*			*23.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3306239-1 05/02/18 02:31 • (LCSD) R3306239-2 05/02/18 02:54

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	80.0	67.9	66.7	84.9	83.4	50.0-125			1.83	20
Acenaphthene	80.0	63.2	63.0	79.0	78.8	52.0-120			0.290	20
Acenaphthylene	80.0	63.8	63.6	79.7	79.5	51.0-120			0.287	20
Benzo(a)anthracene	80.0	62.0	60.6	77.5	75.8	46.0-121			2.25	20
Benzo(a)pyrene	80.0	65.0	63.5	81.2	79.4	42.0-121			2.23	20
Benzo(b)fluoranthene	80.0	65.0	63.2	81.3	79.0	42.0-123			2.81	20
Benzo(g,h,i)perylene	80.0	67.3	66.4	84.2	83.0	43.0-128			1.47	20
Benzo(k)fluoranthene	80.0	65.4	65.0	81.7	81.3	45.0-128			0.578	20
Chrysene	80.0	65.3	64.1	81.6	80.1	48.0-127			1.90	20
Dibenz(a,h)anthracene	80.0	67.6	66.2	84.5	82.7	43.0-132			2.17	20
Fluoranthene	80.0	68.4	66.5	85.5	83.1	49.0-129			2.73	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3306239-1 05/02/18 02:31 • (LCSD) R3306239-2 05/02/18 02:54

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Fluorene	80.0	64.6	63.6	80.8	79.5	50.0-120			1.56	20
Indeno(1,2,3-cd)pyrene	80.0	69.1	68.0	86.3	85.0	44.0-131			1.59	20
Naphthalene	80.0	61.6	61.8	77.0	77.3	50.0-120			0.323	20
Phenanthrene	80.0	63.7	62.6	79.7	78.3	48.0-120			1.79	20
Pyrene	80.0	64.2	62.9	80.2	78.6	48.0-135			2.05	20
1-Methylnaphthalene	80.0	63.3	63.7	79.1	79.6	52.0-122			0.609	20
2-Methylnaphthalene	80.0	60.2	60.3	75.3	75.4	52.0-120			0.128	20
2-Chloronaphthalene	80.0	63.2	63.2	79.0	79.0	50.0-120			0.000259	20
(S) Nitrobenzene-d5				*70.6*	*67.0*	*14.0-149*				
(S) 2-Fluorobiphenyl				*85.1*	*81.6*	*34.0-125*				
(S) p-Terphenyl-d14				*80.1*	*76.3*	*23.0-120*				

L988544-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L988544-01 05/02/18 08:49 • (MS) R3306239-4 05/02/18 09:11 • (MSD) R3306239-5 05/02/18 09:34

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	91.4	22.7	200	198	193	192	1	20.0-136	J5	J5	0.581	24
Acenaphthene	91.4	ND	118	122	129	133	1	29.0-124	J5	J5	3.09	20
Acenaphthylene	91.4	10.9	65.9	84.2	60.1	80.2	1	35.0-120		J3	24.5	20
Benzo(a)anthracene	91.4	50.5	238	237	205	204	1	13.0-132	J5	J5	0.376	27
Benzo(a)pyrene	91.4	47.9	194	190	160	155	1	14.0-138	J5	J5	2.38	27
Benzo(b)fluoranthene	91.4	61.7	229	218	183	171	1	10.0-129	J5	J5	5.12	31
Benzo(g,h,i)perylene	91.4	33.1	131	127	107	103	1	10.0-133			3.19	30
Benzo(k)fluoranthene	91.4	20.9	105	146	92.2	137	1	15.0-131		J3 J5	32.3	27
Chrysene	91.4	48.2	219	215	187	183	1	15.0-137	J5	J5	1.72	25
Dibenz(a,h)anthracene	91.4	11.4	90.5	94.6	86.4	91.0	1	15.0-132			4.51	27
Fluoranthene	91.4	102	475	466	408	398	1	13.0-139	J5	J5	1.96	28
Fluorene	91.4	6.91	123	126	127	130	1	27.0-122	J5	J5	1.84	22
Indeno(1,2,3-cd)pyrene	91.4	31.6	136	133	114	111	1	11.0-133			2.58	29
Naphthalene	91.4	ND	94.9	89.6	91.3	85.6	1	18.0-136			5.68	21
Phenanthrene	91.4	68.9	527	518	501	491	1	15.0-133	J5	J5	1.71	25
Pyrene	91.4	83.0	374	373	319	318	1	11.0-146	J5	J5	0.276	29
1-Methylnaphthalene	91.4	ND	80.5	82.3	88.0	90.0	1	24.0-137			2.27	22
2-Methylnaphthalene	91.4	ND	80.7	80.0	79.4	78.6	1	23.0-136			0.900	22
2-Chloronaphthalene	91.4	ND	57.8	63.4	63.2	69.4	1	36.0-120			9.38	20
(S) Nitrobenzene-d5					*56.1*	*62.8*		*14.0-149*				
(S) 2-Fluorobiphenyl					*67.2*	*75.3*		*34.0-125*				
(S) p-Terphenyl-d14					*63.1*	*70.7*		*23.0-120*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.

Company Name/Address:
LaBella Associates, D.P.C.
300 State Street, Suite 201
Rochester, New York 14614

Billing Information:
Attn: AP@labellapc.com

Report to: srife; jgillen

Email To: srife; jgillen

Project Description: Midtown Plaza PHII ESA & Geotech

City/State Collected: Oswego NY

Phone: (585) 454-6110
Fax: NA

Client Project # 2181306

Lab Project #

Collected by (print): S. Rife

Site/Facility ID #

P.O. #

Collected by (signature): Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ✓Yes
FAX? ✓No ___Yes

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CP-51 List SVOCs	RCRA Metals	Rem./Contaminant	Sample # (lab only)
B-1 1.5-2'	Grab	SS	1.5-2'	4/18/18	1745	1	X	X		-01
B-3 1-2'	Grab	SS	1-2'	4/19/18	0845	1	X	X		-02
B-4 8-8.5'	Grab	SS	8-8.5'	4/20/18	1215	1	X	X		-03
P-2 1-2'	Grab	SS	1-2'	4/18/18	0930	1	X	X		-04
P-3 1-3'	Grab	SS	1-3'	4/20/18	1300	1	X	X		-05

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other ___

Remarks: 436169289306

pH ___ Temp ___
Flow ___ Other ___

Hold #

Relinquished by : (Signature) — Date: 4/24/18 — Time: 1730 — Received by: (Signature) FedEx

Relinquished by : (Signature) — Date: — Time: — Received by: (Signature)

Relinquished by : (Signature) — Date: — Time: — Received for lab by: (Signature)

Samples returned via: ☒ FedEx ☐ UPS ☐ Courier ☐ ___
Temp: 5.2 °C Bottles Received: 5
Date: 4/25/18 Time: 845

Condition: (lab use only)
COC Seal Intact: ___Y ___N ___NA
pH Checked: NCF:

Chain of Custody Page 1 of 1

ESC LABORATORY SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 998544
G194

Acctnum:
Template:
Prelogin:
TSR:
PB:
Shipped Via:

ESC LAB SCIENCES
Cooler Receipt Form

Client: LABRNY	SDG#	988544
Cooler Received/Opened On: 04/25/18	Temperature:	5.5
Received By: Kelsey Stephenson		
Signature:		

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?	✓		
COC Signed / Accurate?		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?		✓	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			