



Phase II Environmental Site Assessment

Location:

1-5, 4-6, 7-9, 8-8.5, 10, 11-15 Laura Street
1214-1216, 1222, 1228-1230, 1252 East Main Street
Rochester, New York 14609

Prepared for:

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1.0 INTRODUCTION

LaBella Associates, D.P.C. (“LaBella”) was retained by the City of Rochester to conduct a Phase II Environmental Site Assessment (ESA) at the following properties: 1-5, 4-6, 8-8.5, 10, 11-15 Laura Street and 1214-1216, 1222, 12228-1230, and 1252 East Main Street in the City of Rochester, Monroe County, New York, hereinafter referred to as the “Site.” A Site Location Map is attached as Figure 1. This Phase II ESA has been performed in conformance with the scope and limitations of ASTM Practice E 1903-11. This Phase II ESA was completed to access and assess properties not previously completed in the April 2019 Phase II ESA described below.

LaBella previously completed a Phase II ESA for adjacent properties associated with the overall project Site in April 2019. Surface and sub-surface ESA investigation activities were conducted within the parcel boundaries of 2 Laura Street, 1200, 1240, and 1244-1246 East Main Street, within the right-of-way (ROW) of 1-5, 7-9, and 8-8.5 Laura Street, and within the ROW of 1214-1216, 1222, 1228-1230, and 1252 East Main Street.

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 P1901520 dated November 26, 2019 and LaBella’s Master Services Agreement (MSA) #131667 with the City.

1.2 *Limitations & Exceptions*

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

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

2.0 BACKGROUND

2.1 *Site Description & Features*

The Site consists of ten City-owned parcels of developed and undeveloped land currently addressed as:

- 1-5 Laura Street (S-B-L #106.76-1-40, 0.118 acres); parcel has vacant house.
- 4-6 Laura Street (S-B-L #107.69-1-93, 0.117 acres); parcel has occupied house.
- 7-9 Laura Street (S-B-L #106.76-1-39, 0.119 acres); parcel has occupied house.
- 8-8.5 Laura Street (S-B-L #107.69-1-94, 0.118 acres); parcel has vacant house.
- 10 Laura Street (S-B-L #107.69-1-95, 0.12 acres); parcel has occupied house.
- 11-15 Laura Street (S-B-L #106.76-1-38, 0.119 acres); parcel has occupied house.
- 1214-1216 East Main Street (S-B-L #106.76-1-43, 0.123 acres); parcel is



undeveloped/vacant.

- 1222 East Main Street (S-B-L #106.76-1-42, 0.12 acres); parcel is undeveloped/vacant
- 1228-1230 East Main Street (S-B-L #106.76-1-41, 0.12 acres); parcel has occupied house.
- 1252 East Main Street (S-B-L #107.69-1-89, 0.123 acres); parcel is undeveloped/vacant.

Altogether, the ten (10) City-owned parcels are approximately 1.2 acres in size. At the time of the Phase II ESA fieldwork, the following properties were undeveloped/vacant: 1214-1216 East Main Street, 1222 East Main Street, and 1252 East Main Street. These parcels were most recently developed with residences that were demolished in 2001 (1214-1216 and 1222 East Main) and 2016 (1252 East Main). The following properties were developed with vacant residences: 1-5 Laura Street and 8-8.5 Laura Street. The residences on these parcels were being prepared for demolition at the time of the Phase II ESA. The following properties were developed with occupied residences: 4-6 Laura Street, 7-9 Laura Street, 10 Laura Street, and 11-15 Laura Street. The residents on these parcels were scheduled to vacate these properties, and the structures were slated for demolition at the time of the Phase II ESA.

2.2 Physical Setting

The Site is located at the intersection of East Main Street and Laura Street in the City of Rochester within an urban area. The Site consists of generally level land with the nearest water body, the Genesee River, located approximately 8,600 feet southwest of the Site. According to the U.S. Department of Agriculture, soils at the Site consist mainly of Urban Land which is defined as areas that have been altered or obscured by urban works and structures to the point that identification of the soils is not feasible. Refer to Section 5.1 for additional information regarding Site Geology.

2.3 Site History & Land Use

Historical uses at the Site included residential and commercial operations. Residential and commercial properties in areas of the Site have been demolished, filled and graded. Environmental concerns associated with past residential property use include regulated fill materials used for filling (i.e. in basement or crawl spaces) as well as use of fuel oil for heating systems. Environmental concerns associated with past commercial property use also include regulated fill materials used during building demolition and grading. It is noted that environmental concerns associated with historical commercial and industrial property use at properties adjacent to the Site include the potential for contaminant migration onto the Site from off-Site.

Section 2.5 provides a detailed summary of historical uses of each Site property and Recognized Environmental Conditions (RECs) associated with each property. It also provides RECs associated with historical uses of adjacent properties.

2.4 Adjacent Property Use

The Site is bordered by the following properties:

Direction	Land Use
Northwest of Laura Street	Residences (431 Hayward, 435-437 Hayward, 443 Hayward)
Northeast of Laura Street	Residences (12 Laura, 14 Laura, 41 Baldwin, 35 Baldwin)



East of Laura Street	Residences (31 Baldwin, 25 Baldwin, 19 Baldwin, 1258 E. Main, 1260-1264 E. Main)
South of E. Main Street	Industrial Business Park (1237-1261 E. Main); Tom & Paul's Tire Trax (1233 E. Main)
Southwest of Laura Street	First Student, Inc. (1185 E. Main)
West of Laura Street	Vacant Land (1200 Main); Residence (427 Hayward)

2.5 Summary of Previous Studies

The following reports were reviewed by LaBella prior to completion of this Phase II ESA Report:

Phase I Environmental Site Assessments – June 2018 – LaBella Associates D.P.C.

Phase I Environmental Site Assessments (ESA) were prepared by LaBella for each property associated with the Site dated June 2018. The Phase I ESAs were conducted to assess the potential for RECs at the Site, which includes ten (10) individual properties. LaBella's reports identified several RECs associated with these properties, which are summarized above in Section 2.3.

The report concluded that further assessment of the Site appeared warranted. Based on the review of historical information, it appears that the Site has been developed since at least 1912 and has been utilized/occupied by the following environmentally relevant operations at each of the component properties:

1-5 and 7-9 Laura Street

- The west adjacent property (1200 East Main Street) is a listed NYSDEC ERP Site #B00129. According to documentation obtained from the NYSDEC, the property was formerly utilized as a gasoline filling station from before 1928 to at least 1993. Historic use of this facility as an automobile service facility and filling station resulted in petroleum contamination at the property. A Record of Decision (ROD) was issued for the Site on March 31, 2006. Remedial activities took place at the Site in accordance with the ROD from 2006 through 2016 which included surface and source area soil removal (March – April 2010), in-situ chemical oxidation (ISCO) injection (December 2011), vacuum-enhanced groundwater extraction (VEGE), oxygen injection system installation, and soil-vapor extraction system installation (April 2016), and source soil removal associated with installation of these systems. Confirmatory sampling indicated petroleum impacts remained on the property. An Environmental Easement was granted to the NYSDEC for the Site dated June 28, 2016. A Certificate of Completion (COC) indicating that all remedial activities per the ROD had been completed was issued by NYSDEC on February 11, 2019.

8-8.5 Laura Street

- According to information obtained from the Landmax Database Inc. website, the Site Building was heated with fuel oil. As Site access was not available at the time of the Phase I ESA, the nature of the fuel source storage was unknown, and no further information was provided or obtained regarding the storage of fuel oil at the Site.

1214-1216 East Main Street

- A former dwelling at the Site was demolished in 2016, which contained a basement or crawlspace. The source, composition, and the environmental and geotechnical quality of the backfill material used to fill in the basement or crawlspace was unknown.



- The south adjacent property, addressed as 1185-1223 East Main Street, has been utilized for various industrial and commercial purposes including Rochester Fireworks manufacturer from at least 1892 until at least 1912, Unit Parts Rochester Corporation auto parts, including two underground storage tanks (USTs), from at least 1939 until at least 1954, and a bus garage from at least 1981 until present day.

1222 East Main Street

- A former dwelling at the Site was demolished in 2001, and likely contained a basement or crawlspace. The source, composition, and the environmental and geotechnical quality of the backfill material used to fill in the basement or crawlspace is unknown.
- The south adjacent property, addressed as 1233 East Main Street, has been utilized for various industrial and commercial purposes including Harper Method, Inc. (toilet preparations) from at least 1930 until at least 1967, IPS MacDonald Printing Company Inc. from at least 1972 until at least 1992, and by Tom & Paul's Tire Trax Inc. (waste tire storage dealer) from at least 2007 until present day. Additionally, the south adjacent property, addressed as 1185-1223 East Main Street, has been utilized for various industrial and commercial purposes including Rochester Fireworks manufacturer from at least 1892 until at least 1912, Unit Parts Rochester Corporation auto parts, including two USTs, from at least 1939 until at least 1954, and a bus garage from at least 1981 until present day.

1228-1230 East Main Street

- The south adjacent property, addressed as 1233 East Main Street, has been utilized for various industrial and commercial purposes including Harper Method, Inc. (toilet preparations) from at least 1930 until at least 1967, IPS MacDonald Printing Company Inc. from at least 1972 until at least 1992, and by Tom & Paul's Tire Trax Inc. (waste tire storage dealer) from at least 2007 until present day. In addition, the southeast adjacent property, addressed as 1237-1261 East Main Street, has been utilized as Fedder Industrial Park since at least 1976 (approximately 42 years). The industrial park has included various commercial and industrial tenants including machine shops, print shops, laminating shops, woodworking, and finishing, and plating operations. Such operations are typically known to incorporate various solvents and petroleum products in their operations.

1252 East Main Street

- A former dwelling at the Site was demolished in 2016, and likely contained a basement or crawlspace. The source, composition, and the environmental and geotechnical quality of the backfill material used to fill in the basement or crawlspace is unknown.
- The south adjacent property, addressed as 1237-1261 East Main Street, has been utilized as Fedder Industrial Park since at least 1976 (approximately 42 years). The industrial park has included various commercial and industrial tenants including machine shops, print shops, laminating shops, woodworking, and finishing, and plating operations. Such operations are typically known to incorporate various solvents and petroleum products in their operations.

4-6, 10, and 11-15 Laura Street

- No environmentally relevant operations.

Phase II Environmental Site Assessment – April 2019 – LaBella Associates, D.P.C.



LaBella completed a Phase II ESA for adjacent properties associated with the overall project Site in April 2019. Surface and sub-surface ESA investigation activities were conducted within the parcel boundaries of 2 Laura Street, 1200, 1240, and 1244-1246 East Main Street, within the right-of-way (ROW) of 1-5, 7-9, and 8-8.5 Laura Street, and within the ROW of 1214-1216, 1222, 1228-1230, and 1252 East Main Street. At the time of the April 2019 Phase II ESA, the properties associated with this Phase II ESA could not be accessed. The April 2019 Phase II ESA concluded that an Environmental Management Plan (EMP) should be developed for future ground intrusive activities at the Site, installation of a second bedrock well on the west side of Laura Street along East Main Street, and recommended that no further testing be conducted on the properties associated with the April 2019 report.

3.0 OBJECTIVE

The objective of this Phase II ESA was to conduct an evaluation of subsurface conditions based on RECs associated with the historical use of the Site and its adjacent properties, as well as future use plans for the Site. The scope of work for this Phase II ESA was developed to assess the properties that were inaccessible at the time of the April 2019 Phase II ESA.

4.0 SCOPE OF WORK

The Phase II ESA scope of work completed as part of this project is detailed in this section. Investigation locations were selected based on historical features/operations, results of prior investigation and to provide Site-wide coverage. Note that investigation points could not be completed in spaces currently occupied by tenants.

The Phase II ESA generally consisted of the following:

- Advancement of six (6) test pits;
- Advancement of thirteen (13) overburden soil borings (including a boring advanced as part of bedrock well installation);
- Installation of one (1) bedrock monitoring well;
- Collection of ten (10) surface soil samples;
- Submittal of twenty-eight (28) soil samples and one (1) groundwater sample for laboratory analysis; and,
- Preliminary geotechnical evaluation.

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

- Prior to the initiation of subsurface work, an underground utility stake-out, via *Dig Safely New York*, was completed at the Site to locate utilities in the areas where the subsurface assessment would take place.
- Test pits were advanced on December 12, 2019 to assess for subsurface impairment and to identify the depth of urban fill throughout the Site. Six (6) test pits were advanced throughout the Site to equipment refusal ranging from 8.0 to 8.5 feet bgs (refer to Figure 2 for test pit locations). One (1) soil sample was collected from each test pit and analyzed for United State Environmental Protection Agency (USEPA) Target Compound List (TCL) and NYSDEC Commissioner's Policy (CP-)51 volatile organic compounds (VOCs), CP-51 semi-volatile organic compounds (SVOCs), and USEPA Target Analyte List (TAL) metals. Test pits were



backfilled and tamped in 12-inch lifts with excess soils (approximately 4 cubic yards) staged to the side of the test pit excavation.

- A direct push soil boring and sampling program of the overburden at the Site was implemented between November 26 and December 12, 2019. Soil borings were advanced using either a track-mounted Geoprobe® Systems 6610DT direct-push sampling system (for borings SB-09 through SB-14) or a rotary drilling rig with continuous sampling utilized for geotechnical work (GT-19-1 through GT-19-6). The Geoprobe utilizes a 4 or 5-foot MacroCore® sampler with disposable polyethylene sleeves for observation and sampling. The MacroCore® sampler was decontaminated between boring locations using an Alconox® and potable water solution. The rotary drilling rig utilized a hollow-stem auger and continuous 2' sampling core for geotechnical investigation. The sampling core was decontaminated between 2' sections and between boring locations using an Alconox® and potable water solution. Soil boring locations are depicted on Figure 2.
- Soils from the borings and test pits were continuously assessed for visible impairment, olfactory indications of impairment, and/or indication of detectable volatile organic compounds (VOCs) with a photo-ionization detector (PID). Positive indications from any of these screening methods are collectively referred to as "evidence of impairment."
- One (1) shallow bedrock well (designated as BW-02) was installed approximately 10-ft into bedrock between December 9 and December 10, 2019 (refer to Figure 2 for bedrock well location). As part of the bedrock well installation, overburden soils were continuously sampled with 2-foot split-spoon samplers to bedrock. Split-spoon samplers were decontaminated between uses. Hollow-stem augers were advanced approximately 1- to 2-ft into bedrock and 4-inch steel casing was grouted in place to seal out the overburden. The grout was allowed to set for at least 24-hours prior to coring bedrock. Bedrock was cored using an H core barrel. The well was constructed in bedrock with 10-ft of PVC well screen connected to the appropriate length of riser to the surface. Based on the low competency of shallow bedrock, PVC well screen and riser were utilized to prevent collapse. The annulus was sand packed to approximately 1-2 feet above the screened section and sealed with bentonite. The well was completed with a flush-mounted curb box. The depth of BW-02 was 24.5-ft BGS. Refer to Appendix 1 for the well construction log.
- Bedrock core descriptions were recorded on logs that included observations on rock type, the presence of natural and mechanical breaks, and the presence of any suspect odors, elevated ppbRAE PID readings, or staining. Photos of rock cores are included in Appendix 5.
- A preliminary geotechnical evaluation was completed by Ravi Engineering and Land Surveying, P.C. (Ravi) at the Site simultaneously with environmental overburden boring installations and consisted of documentation of standard penetration testing and classifying soil and top of bedrock. The geotechnical field evaluation was performed by Nothnagle Drilling, Inc. Boring locations B-1 through B-6 were utilized for both the geotechnical investigation and for environmental sampling. Ravi then completed a geotechnical investigation report, included as Appendix 4, that was reviewed by Foundation Design, P.C. (Foundation Design completed a previous study at the Site).
- On January 10, 2020, BW-02 was sampled using low-flow techniques (i.e. bladder pump). The well was monitored for non-aqueous phase liquid (NAPL) before sampling, which was not identified. Water quality parameters including turbidity, pH, temperature, specific conductivity, dissolved oxygen, and depth to water were recorded at five (5) minute intervals during sampling until the parameters stabilized within the specified ranges below, at which



time the samples were collected:

- Turbidity (≤ 50 NTU, +/- 10%)
- pH (+/- 0.1)
- Temperature (+/- 3%)
- Specific Conductivity (+/- 3%)
- Dissolved Oxygen (+/- 10%)

Refer to Appendix 1 for low-flow sampling logs.

Soil and groundwater samples were placed in a cooler on ice and sent under standard chain of custody procedures to Alpha Analytical Laboratories in Westborough, Massachusetts. The following laboratory analysis was performed:

Soil

Sample ID	Sample Depth (ft bgs)	Max PID Reading (ppm)	Laboratory Analysis		
			VOCs ¹	SVOCs ²	Metals ³
GT-19-1 (B-1)	2.0 - 3.0	0			X
	7.5 - 8.0	0	X	X	
GT-19-2 (B-2)	2.0 - 3.0	0			X
	6.0 - 7.0	0	X	X	
GT-19-3 (B-3)	2.0 - 2.5	0			X
	4.0 - 5.0	0	X	X	
GT-19-4 (B-4)	3.0 - 4.0	0			X
	6.0 - 7.0	0	X	X	
GT-19-5 (B-5)	2.0 - 3.0	0			X
	4.0 - 5.0	0	X	X	
GT-19-6 (B-6)	3.0 - 4.0	0.3			X
	7.0 - 7.5	0.3	X	X	
SB-09	3.5	0	X	X	X
SB-10	4.2	0.3	X	X	X
SB-11	2.0	0	X	X	X
SB-12	3.5	1.1	X	X	X
SB-13	13.0	2.4	X	X	X
SB-14	6.0	0.5	X	X	X
TP-13	5.0	0	X	X	X
TP-14	3.0	0	X	X	X
TP-15	2.5	0	X	X	X
TP-16	3.4	0	X	X	X
TP-17	2.0 - 3.0	0	X	X	X
TP-18	3.5	0	X	X	X
SS-05	0.0 - 0.5	N/A		X	X
SS-06	0.0 - 0.5	N/A		X	X
SS-07	0.0 - 0.5	N/A		X	X
SS-08	0.0 - 0.5	N/A		X	X



Sample ID	Sample Depth (ft bgs)	Max PID Reading (ppm)	Laboratory Analysis		
			VOCs ¹	SVOCs ²	Metals ³
SS-09	0.0 - 0.5	N/A		X	X
SS-10	0.0 - 0.5	N/A		X	X
SS-11	0.0 - 0.5	N/A		X	X
SS-12	0.0 - 0.5	N/A		X	X
SS-13	0.0 - 0.5	N/A		X	X
SS-14	0.0 - 0.5	N/A		X	X
BW-02	0.0 - 0.5		X	X	X

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. TCL and CP-51 List SVOC analysis performed via USEPA Method 8270
3. Target analyte list (TAL) metals analysis performed via USEPA Method 6010/7470/7471

Groundwater

Sample ID/Exploration Location	Screened Interval (ft bgs)	Laboratory Analyses
		VOCs ¹
BW-02	14.5 - 24.5	X

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

5.0 FINDINGS

5.1 Site Geology and Hydrology

Site geology and hydrology was interpreted as part of the following methods of investigation between November 22 and December 10, 2019:

- Twelve (12) soil borings
 - Six (6) borings under separate contract, performed as geotechnical borings and sampled; designated GT-19-1 through GT-19-6. It should be noted that samples from these locations were analyzed and reports by the laboratory as B-1 through B-6 (GT-19-1 corresponds to B-1, GT-19-2 corresponds to B-2, etc.). For consistency with the geotechnical report, these designations are used in this report.
 - Six (6) environmental soil borings; designated SB-09 through SB-14
- Six (6) test pits designated TP-13 through TP-18
- Ten (10) surface soil samples designated SS-05 through SS-14
- One (1) bedrock groundwater monitoring well, designated BW-02



Six (6) soil borings (GT-19-1 through GT-19-6) were advanced by Nothnagle Drilling, using truck-mounted and ATV-mounted rotary drilling rigs. The rotary drill rig borings were advanced to depths ranging from 9.7-feet to 15.5-feet bgs. Top of bedrock was encountered in one (1) boring at approximately 13.0-feet bgs. Auger refusal (assumed top of bedrock) was encountered in three borings at depths ranging between 9.7-feet bgs and 13.0-feet bgs. The six Geoprobe advanced soil borings encountered refusal at depths between 7.4-feet bgs and 14.8-feet bgs. Based on this work, top of bedrock estimated to be approximately 7 to 15-feet bgs throughout the Site.

Soils at the Site consisted generally of urban fill (brown fine sand, some silt, little coarse gravel, trace clay, and historic fill, see below) underlain by compact brown fine sand and compact red-brown fine sand.

Historic fill materials consisting of a combination of bricks, concrete, asphalt, glass, coal, wire, and/or cinders were observed in most testing locations (TP-13, TP-14, TP-15, TP-16, TP-17, TP-18, GT-19-1, GT-19-6, SB-09, SB-10, SB-11, SB-12, SB-13, and SB-14). Thickness of fill material at the Site ranges from approximately 2.5-feet to 8-feet, with the average fill depth down to approximately 5.5-feet bgs.

Bedrock was cored in one (1) bedrock well installation location (BW-02) to observe bedrock and to obtain a bedrock groundwater sample. A roller-bit was used at this location to reach the desired depth for well construction. The top of bedrock was encountered during the bedrock drilling at a depth of 12.8-ft bgs. The well was continuously screened with a PID during coring, and no PID readings were observed. Water was encountered at a depth of 16.09' below top of casing (btoc) after well installation. Refer to Section 5.2 for additional information regarding field screening results.

Testing locations are shown on Figure 2. Copies of the Soil Boring, Test Pit, and Monitoring Well Logs are included in Appendix 1.

5.2 Field Screening Results

PID readings above 1.0 ppm were not observed in any of the geotechnical borings (GT-19-1 through GT-19-6). PID readings above 1.0 ppm were observed in two of the environmental borings, at SB-12 (maximum PID reading of 1.1 ppm at approximately 13-feet bgs) and SB-13 (maximum PID reading of 2.4 at approximately 13-feet bgs). PID readings above background were not observed in any of the test pits.



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

Test Pit/Boring Summary and Soil PID Readings (ppm)

Testing ID	Sample Interval (ft bgs)							
	0-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16
GT-19-1 (B-1)	0.0	0.0	0.0	0.0	0.0	0.0	--	--
GT-19-2 (B-2)	0.0	0.0	0.0	0.0	0.0	0.0	--	--
GT-19-3 (B-3)	0.0	0.0	0.0	0.0	0.0	--	--	--
GT-19-4 (B-4)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GT-19-5 (B-5)	0.0	0.0	0.0	0.0	0.0	--	--	--
GT-19-6 (B-6)	0.0	0.0	0.0	0.3	0.0	--	--	--
SB-09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--
SB-10	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
SB-11	0.0	0.0	0.0	0.0	--	--	--	--
SB-12	0.0	0.0	0.0	0.0	0.0	0.8	0.8- 1.1	--
SB-13	0.0	0.0	0.0	0.0	0.0	0.8	0.8- 2.4	--
SB-14	0.0	0.0	0.0	0.0	0.0	0.0	--	--
TP-13	0.0	0.0	0.0	0.0	--	--	--	--
TP-14	0.0	0.0	0.0	0.0	--	--	--	--
TP-15	0.0	0.0	0.0	0.0	--	--	--	--
TP-16	0.0	0.0	0.0	0.0	0.0	--	--	--
TP-17	0.0	0.0	0.0	0.0	--	--	--	--
TP-18	0.0	0.0	0.0	0.0	--	--	--	--
BW-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Notes:

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



5.3 Preliminary Geotechnical Evaluation

A geotechnical evaluation was completed as part of this Phase II ESA by Ravi Engineering & Land Surveying, P.C. (Ravi). This geotechnical evaluation was then review by Foundation Design, P.C. (Foundation Design). Foundation Design had completed a geotechnical report as part of the previous Phase II ESA on the adjacent properties and, as such, to confirm consistency with recommendations Foundation Design provided input on the Ravi report. Ravi assessed soil borings at the Site as part of this evaluation. The following is a summary of conclusions included in Ravi's report:

- The existing heterogeneous fill materials are considered to be unsuitable for support of foundations and floor slabs. For areas of pavement, however, complete removal of the heterogeneous fill materials is not recommended.
- With regard to the International Building Code, a seismic Site Class of "C" should be applied to this project. This corresponds to a "very dense soil and soft rock" profile.
- No topsoil, organic matter, existing fill, remnant foundations, remnant floor slab, utilities, or other unsuitable materials should be left in place below a footing. Footing should bear on stable natural soil, or on compacted common or granular fill.
- Following removal and replacement of the unsuitable materials, conventional slab-on-grade floor construction will be feasible.
- The most reliable pavement design would involve the complete removal of the existing fill materials. Should the existing fill be allowed to remain in place, a design that minimizes the need for future maintenance should be developed. Some settlement of pavement surfaces should be anticipated.

Refer to Appendix 2 for Ravi's report, Foundation Design's review letter, and full listing of conclusions.

5.4 Laboratory Analytical Results

5.4.1 Soil

Soil sample results were compared to New York Codes, Rules, and Regulations (NYCRR) Part 375-6 Unrestricted Use Soil Cleanup Objectives (SCOs), Commercial Use SCOs, and Protection of Groundwater SCOs in analytical summary tables. These SCOs were selected for comparison purposes based on the current and future anticipated use of the Site and the surrounding area.

The following is a summary of soil sample results. Soil sample data are also summarized on attached Tables 1 through 4 and sampling location are presented on Figure 2.

VOCs:

Nineteen (19) soil samples were analyzed for VOCs. As shown in Table 1, VOCs were detected above laboratory method detection limits (MDLs) in 15 of the 19 samples. One (1) compound, acetone, was detected above the NYCRR Part 375 Unrestricted Use and Protection of Groundwater SCOs. Acetone is a common compound used in the laboratory setting and may constitute an artifact from analysis. For all other VOCs, the concentrations detected do not exceed NYCRR Unrestricted Use, Commercial Use or Protection of Groundwater SCOs.

SVOCs:



Twenty-eight (28) soil samples were analyzed for SVOCs. As shown in Table 2, SVOCs were detected in eighteen (18) of the twenty-eight (28) soil samples above laboratory MDLs. However, only five of the samples identified SVOCs at concentrations above the NYCRR Part 375 Restricted Use SCOs. Presented below is a summary of samples that had one or more compound(s) in exceedance of NYCRR Part 375 SCOs:

- SB-11 (0-2 ft bgs):
 - *Benzo(a)anthracene* (5.6 mg/kg): exceeded Unrestricted and Protection of Groundwater SCOs
 - *Benzo(a)pyrene* (5.9 mg/kg): exceeded Unrestricted and Commercial Use SCOs
 - *Benzo(b)fluoranthene* (7.9 mg/kg): exceeded Unrestricted, Commercial, and Protection of Groundwater SCOs
 - *Benzo(k)fluoranthene* (2.6 mg/kg): exceeded Unrestricted and Protection of Groundwater SCOs
 - *Chrysene* (5.6 mg/kg): exceeded Unrestricted and Protection of Groundwater SCOs
 - *Dibenzo(a,h)anthracene* (0.97 mg/kg): exceeded Unrestricted and Commercial Use SCOs
 - *Indeno(1,2,3-cd)pyrene* (4.3 mg/kg): exceeded Unrestricted and Commercial Use SCOs
- SS-05 (0 - 0.5 ft bgs):
 - *Benzo(a)anthracene* (5.1 mg/kg): exceeded Unrestricted and Protection of Groundwater SCOs
 - *Benzo(a)pyrene* (4.1 mg/kg): exceeded Unrestricted and Commercial Use SCOs
 - *Benzo(b)fluoranthene* (5.3 mg/kg): exceeded Unrestricted and Protection and Groundwater SCOs
 - *Benzo(k)fluoranthene* (1.4 mg/kg): exceeded Unrestricted Use SCO
 - *Chrysene* (3.8 mg/kg): exceeded Unrestricted and Protection of Groundwater SCOs
 - *Dibenzo(a,h)anthracene* (0.73 mg/kg): exceeded Unrestricted Use SCO
 - *Indeno(1,2,3-cd)pyrene* (3.0 mg/kg): exceeded Unrestricted Use SCO
- SS-07 (0 - 0.5 ft bgs):
 - *Benzo(b)fluoranthene* (1.5 mg/kg): exceeded Unrestricted Use SCO
 - *Chrysene* (1.1 mg/kg): exceeded Unrestricted and Protection of Groundwater SCOs
 - *Indeno(1,2,3-cd)pyrene* (0.85 mg/kg): exceeded Unrestricted Use SCO
- SS-08 (0 - 0.5 ft bgs):
 - *Indeno(1,2,3-cd)pyrene* (0.6 mg/kg): exceeded Unrestricted Use SCO
- SS-12 (0 - 0.5 ft bgs):
 - *Benzo(a)anthracene* (2.5 mg/kg): exceeded Unrestricted and Protection of Groundwater SCOs
 - *Benzo(a)pyrene* (2.5 mg/kg): exceeded Unrestricted and Commercial Use SCOs
 - *Benzo(b)fluoranthene* (3.4 mg/kg): exceeded Unrestricted and Protection and Groundwater SCOs
 - *Benzo(k)fluoranthene* (1.5 mg/kg): exceeded Unrestricted Use SCO
 - *Chrysene* (2.8 mg/kg): exceeded Unrestricted and Protection of Groundwater



SCOs

- *Dibenzo(a,h)anthracene* (0.5 mg/kg): exceeded Unrestricted Use SCO
- *Indeno(1,2,3-cd)pyrene* (3.3 mg/kg): exceeded Unrestricted Use SCO

It should be noted that all SVOC exceedances were observed in the top 2-feet of soil across the Site. None of the samples collected below 2-feet bgs exceeded NYSDEC Part 375 Unrestricted Use SCOs.

The compounds identified at elevated levels in these samples are also known as polyaromatic hydrocarbons (PAHs) and are typically generated as a byproduct of the combustion of fossil fuels (e.g., wood, coal, petroleum) or other organic substances. PAHs are commonly found in certain petroleum products and also in urban fill materials including cinders, ash, asphalt, etc. Urban fill materials were identified at all subsurface investigation locations on the Site.

Metals:

Twenty-eight (28) soil samples were analyzed for metals. As shown in Table 3, metals were detected in all twenty-eight (28) samples above laboratory MDLs.

- Lead was detected above its Unrestricted Use SCO in fourteen (14) locations (GT-19-6, SB-09, SB-11, TP-15, SS-05, SS-06, SS-07, SS-08, SS-09, SS-10, SS-11, SS-12, SS-13, and SS-14).
- Mercury was detected above its Unrestricted Use SCO in nine (9) locations (GT-19-6, TP-15, SS-05, SS-06, SS-07, SS-08, SS-11, SS-12, and SS-13).
- Zinc was detected above its Unrestricted Use SCO in ten (10) locations (SB-09, SB-11, SS-05, SS-06, SS-07, SS-08, SS-09, SS-11, SS-12, and SS-13).
- Copper was detected above its Unrestricted Use SCO in one (1) location (SS-05).
- Barium was detected above its Commercial Use SCO in one (1) location (SS-07).
- Calcium was identified in nineteen (19) of the samples that exceeded NYSDEC Commissioner Policy 51 (CP-51) Supplemental Soil Cleanup Objectives (SSCOs) for Protection of Ecological Species and Residential Use. There are currently no NYCRR Part 375 SCOs for calcium.

Refer to Table 3 for a summary of detected compounds in soil and refer to Figure 2 for locations of all samples. The laboratory reports are included as Appendix 3.

5.4.2 Groundwater

As noted in prior sections, overburden groundwater was not encountered during the Phase II ESA and thus groundwater sampling was limited to shallow bedrock groundwater.

During installation, approximately 325 gallons of water were lost downhole during drilling. According to LaBella's work plan, if greater than 25 gallons of water were lost during well installation, the well would not be sampled for at least one (1) month. The well was installed on December 10, 2019 and was sampled on January 10, 2020. Prior to sampling, BW-02 was purged of approximately three (3) well volumes of water. The table below shows the amount of water lost and the quantity of water removed during development. The bedrock well boring log, well construction log, and purging log are included as part of Appendix 1.



Well ID	Water Lost During Well Installation (gals)	Water Removed During Development (gals)
BW-02	325	3.85

Groundwater results were compared to NYCRR Part 703 Groundwater Quality Standards.

VOCs:

One (1) groundwater sample was analyzed for VOCs. VOCs were detected above laboratory MDLs; however, no compounds were detected above the NYCRR Part 703 Groundwater Quality Standards. Acetone (2.3 µg/L) and tetrachloroethene (PCE) (0.25 µg/L) were the only compounds detected.

Refer to Table 4 for a summary of detected compounds in groundwater. The laboratory report is included as Appendix 3. Refer to Table 4 for a summary of groundwater data exceeding standards.

5.5 Investigation Derived Waste

Investigation derived waste generated as part of the implementation of this Phase II ESA consisted of the following:

- Less than one (1) full 55-gallon drum containing cuttings from soil boring activities.
- Less than one (1) 55-gallon drum containing development water generated during bedrock well installation and sampling activities.

Soil excavated during test pit excavation was staged on plastic sheeting during the characterization period. Excavated soils were placed back into the excavation upon completion of characterization and sampling, with soils excavated from the greatest depths placed back into the excavation first. Backfilled test pits were bucket-tamped to prevent settling in the excavation footprints.

All investigation derived waste has been securely stored on the 1200 E. Main Street property adjacent to the Site.

6.0 CONCLUSIONS

LaBella was retained by the City of Rochester to conduct a Phase II ESA at the properties located at 1-5, 4-6, 7-9, 8-8.5, 10, and 11-15 Laura Street and 1214-1216, 1222, 1228-1230, and 1252 East Main Street, City of Rochester, Monroe County, New York. This ESA consisted of the advancement of twelve (12) overburden soil borings, ten (10) surface soil samples, six (6) test pits, and one (1) bedrock well. A total of twenty-eight (28) soil samples and one (1) groundwater sample were submitted for laboratory analysis. A geotechnical evaluation was also completed as part of this project.

This Phase II ESA was performed to evaluate the Site surface and subsurface based on the historical uses of the Site and adjacent parcels, as well as to assess properties that were inaccessible at the time of the April 2019 Phase II ESA. The following geotechnical and environmental conclusions made for the Site are presented below.



6.1 Geotechnical Conclusions

The Geotechnical Engineering Investigation Report is included as Appendix 4 and should be consulted for additional details on the geotechnical conclusions; however, below is a summary of pertinent recommendations by Ravi:

1. The existing heterogeneous fill materials are considered to be unsuitable for support of foundations and floor slabs. For areas of pavement, however, complete removal of the heterogeneous fill materials is not recommended.
2. No topsoil, organic matter, existing fill, remnant foundations, remnant floor slab, utilities, or other unsuitable materials should be left in place below a footing. Footing should bear on stable natural soil, or on compacted common or granular fill.
3. Following removal and replacement of the unsuitable materials, conventional slab-on-grade floor construction will be feasible.
4. The most reliable pavement design would involve the complete removal of the existing fill materials. Should the existing fill be allowed to remain in place, some settlement of pavement surfaces should be anticipated.

Foundation Design's review of the Ravi report indicated the following further items to be included as part of the overall project design considerations:

1. Confirming the ability to move existing/historical fill and topsoil/buried topsoil layers from building areas, utility cuts, etc. and place (with compaction) beneath future pavement areas.
2. In an effort to reduce cost, consider utilizing previous backfill materials placed at 1200 East Main Street as structural fill beneath the building and thus creating a location to place existing/historic fill from the building excavation area in the resulting excavation/borrow pit area.

6.2 Environmental Conclusions

Based on the testing completed, the following findings are provided:

- Fill materials were encountered in each test pit and soil boring. GT-19-2, GT-19-3, GT-19-4, and GT-19-5 only identified apparent re-worked soil; however, the other locations identified one or more of the following historic fill materials: brick, asphalt, cinder blocks, glass, cinders, and ash. As noted in the Geotechnical Conclusions above, these fill materials will likely require removal from certain areas of the Site in order to support buildings. The removal of fill materials will require management in accordance with NYSDEC Part 360.13(c), which states:

Fill material used as backfill for the excavation from which the fill material was taken, or as fill in areas of similar physical characteristics on the project property is exempt from regulation (under NYSDEC Part 360.13). If fill material exhibits historical or visual evidence of contamination (including odors), and will be used in an area with public access, the relocated fill material must be covered with a minimum of 12 inches of soil or fill material that meets the criteria for general fill, as defined in NYSDEC Part 360.13.

In the event that fill materials cannot be re-worked on-Site due to site constraints, off-Site reuse would require a Beneficial Use Determination (approved by NYSDEC) or would require off-Site disposal at an approved landfill.



- Test Pit and Soil Boring Samples:
 - VOCs were not detected above NYCRR Part 375 Unrestricted Use SCOs in any of the soil borings or test pits.
 - SVOCs were not detected above NYCRR Part 375 Unrestricted Use SCOs in any of the test pit or soil borings samples with the exception of one (1) sample (SB-11). Specifically, seven (7) SVOCs were detected above various Unrestricted Use SCOs and three (3) of these compounds were also detected above the Commercial Use SCOs. This sample was collected in the top 2-feet of soil.
 - Four (4) of the eighteen (18) samples for metals detected one or more metals above the NYCRR Part 375 Unrestricted Use SCOs. Specifically the following were identified:
 - Lead: TP-15, GT-19-6, SB-09, and SB-11.
 - Mercury: TP-15 and GT-19-6.
 - Zinc: SB-09 and SB-11.
- Surface Soil Samples:
 - SVOCs were detected above various Unrestricted Use, Commercial Use, and Protection of Groundwater SCOs in four (4) surface soil sample locations: SS-05, SS-07, SS-08, and SS-12.
 - All ten (10) of the surface soil samples identified one or more metals above the NYCRR Part 375 Unrestricted Use SCOs. Specifically the following were identified:
 - Barium: SS-07
 - Copper: SS-05
 - Lead: All samples
 - Mercury: SS-05, SS-06, SS-07, SS-08, SS-09, SS-11, SS-12, and SS-13.
 - Zinc: SS-05, SS-06, SS-07, SS-08, SS-09, SS-11, SS-12, and SS-13.
- Groundwater:
 - No compounds were detected above the NYCRR Part 703 Groundwater Quality Standards. Acetone and tetrachloroethene (PCE) were the only compounds detected above their laboratory MDLs.

7.0 RECOMMENDATIONS

7.1 Geotechnical Recommendations

The Geotechnical Engineering Investigation Report is included as Appendix 4 and should be consulted for additional details on the geotechnical recommendations; however, below is a summary of pertinent recommendations by Ravi:

1. Future development should plan to remove in-place fill material and buried topsoil from proposed building footprints. Footing should bear on stable natural soil; if this is not feasible, these areas would require backfill/compaction with common or granular fill.
2. Subsequent to removal/replacement of fill material, spread footing foundation systems with a slab on grade are feasible.
3. The most reliable pavement design would involve the complete removal of the existing fill materials. Should the existing fill be allowed to remain in place, a design that minimizes the need for future maintenance should be developed and the report indicated use of a geo-grid.
4. With regard to the International Building Code, a seismic Site Class of "C" should be applied to this project. This corresponds to a "very dense soil and soft rock" profile.



The above recommendations are generally consistent with the previous Phase II ESA/Geotechnical Report; however, based on the Foundation Design review of the Ravi report, the use of existing/historical fill materials beneath the future pavement areas (including re-working such fill from other locations) should be confirmed as part of the final design details.

7.2 Environmental Recommendations

Sample results indicate the compounds detected in surface and subsurface soils and in groundwater fall below the applicable NYSDEC standards given the proposed zoning and development plans for the Site (i.e. commercial use), with the exception of barium at surface soil sample location SS-07.

Based on the findings of this Phase II ESA and the previous Phase II ESA, LaBella recommends:

1. An Environmental Management Plan (EMP) will be developed for future ground intrusive work at the Site in order to manage fill materials properly. The EMP should include a provision for soil around SS-07 to be utilized beneath one foot of clean material or future hardscape (e.g., asphalt parking lot).
2. Based on the analytical results and City of Rochester standard protocol, installation of an SSDS is recommended for any new buildings with occupied interior spaces.
3. No further testing is recommended on the parcels investigated during implementation of this scope of work.

It is further recommended that the above recommendations and the recommendations from the previous Phase II ESA (which were similar) be included in a single EMP for the overall project Site; however, it is noted that the 1200 East Main Street Parcel will require separate management under the SMP for that parcel since it is managed under a NYSDEC program.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Report Prepared By:



Jared Pristach, PE
Environmental Engineer

Report Reviewed By:



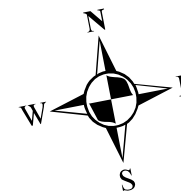
Daniel P. Noll, PE
Project Manager






FIGURES

Legend
 **Site Boundary**



0 1,000 2,000
 Feet
 1 inch = 2,022 feet
 INTENDED TO PRINT AS: 11" X 17"

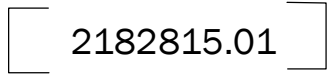
CLIENT:
CITY OF ROCHESTER


PROJECT:
PHASE II ESA

LOCATION:
**EAST MAIN AND
 LAURA STREET
 ROCHESTER, NEW YORK**

TITLE:
**SITE
 LOCATION
 MAP**

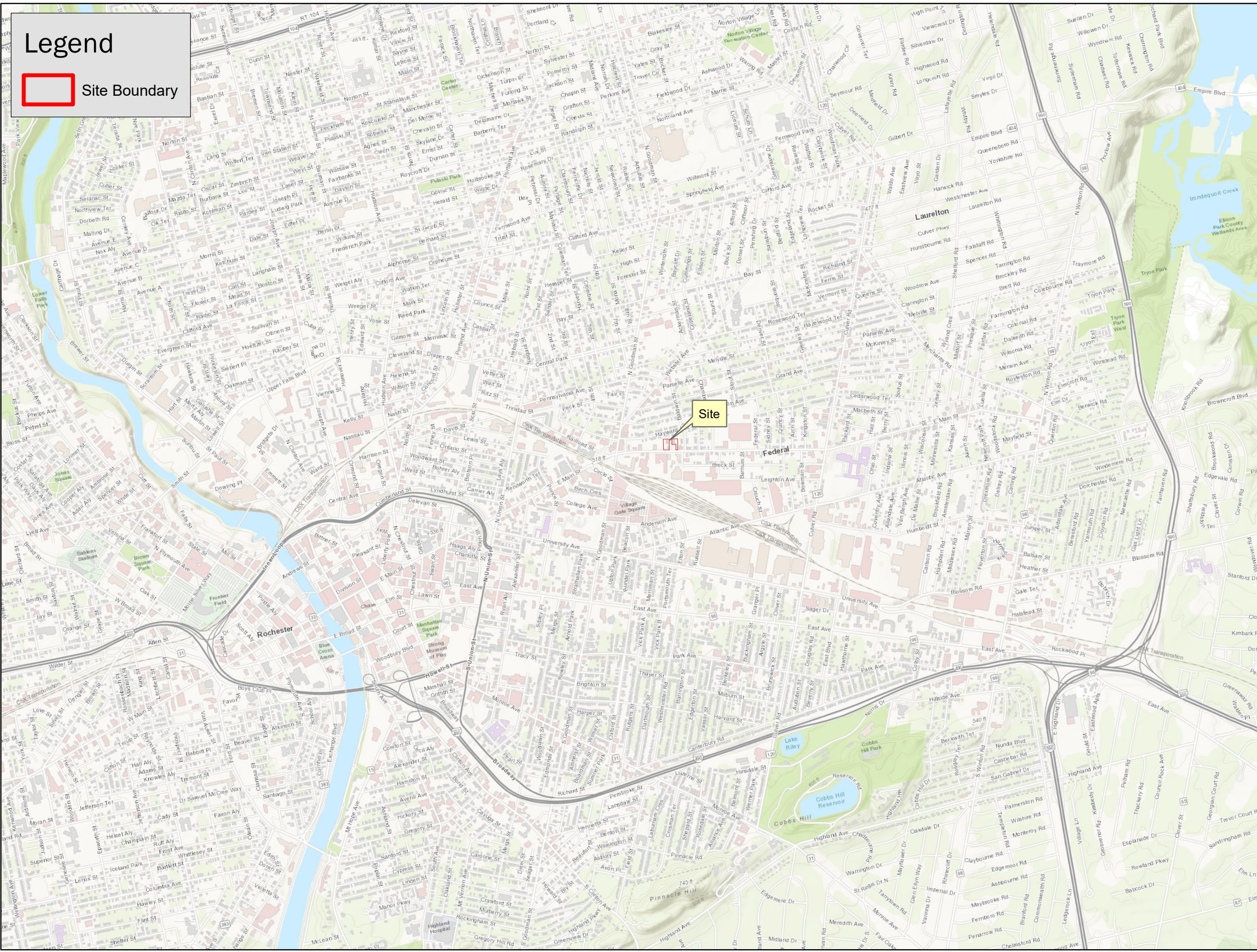
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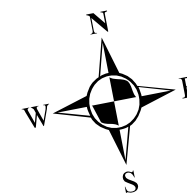
 **2182815.01**

 **FIGURE 1**

3/4/2020

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0 20 40
Feet
1 inch = 40 feet

INTENDED TO PRINT AS: 11" X 17"

CLIENT:
CITY OF ROCHESTER

PROJECT:
PHASE II ESA

LOCATION:
**EAST MAIN AND
LAURA STREET
ROCHESTER, NEW YORK**

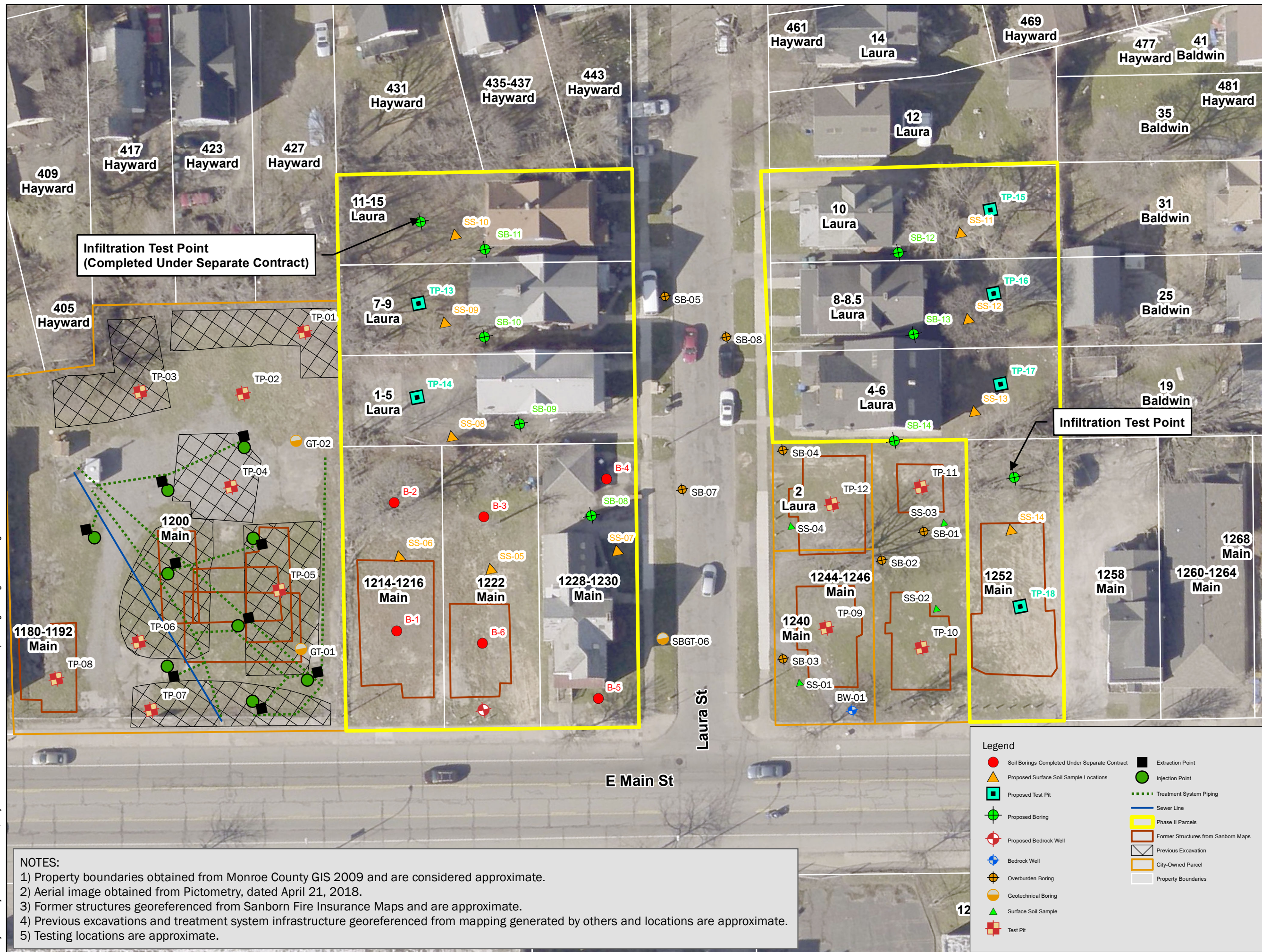
TITLE:
**INVESTIGATION
LOCATIONS
MAP**

PROJECT #/DRAWING #/ DATE

2182815.01

FIGURE 2

3/4/2020



Legend

- Soil Borings Completed Under Separate Contract
- Extraction Point
- ▲ Proposed Surface Soil Sample Locations
- Injection Point
- Proposed Test Pit
- - - Treatment System Piping
- Proposed Boring
- Sewer Line
- ⊕ Proposed Bedrock Well
- Phase II Parcels
- Bedrock Well
- ▭ Former Structures from Sanborn Maps
- ⊕ Overburden Boring
- ▭ Previous Excavation
- Geotechnical Boring
- ▭ City-Owned Parcel
- ▲ Surface Soil Sample
- ▭ Property Boundaries
- ⊕ Test Pit

NOTES:

- 1) Property boundaries obtained from Monroe County GIS 2009 and are considered approximate.
- 2) Aerial image obtained from Pictometry, dated April 21, 2018.
- 3) Former structures georeferenced from Sanborn Fire Insurance Maps and are approximate.
- 4) Previous excavations and treatment system infrastructure georeferenced from mapping generated by others and locations are approximate.
- 5) Testing locations are approximate.

\\Projects2\Projects\12-2\Rochester - City\2182815 - E Main & Laura St Ph II ESA\Reports\Figures\Figure 2 Investigation locations.mxd



TABLES

Table 1
Phase II Environmental Site Assessment
E. Main and Laura Properties, Rochester, NY
Summary of VOCs in Soil
LaBella Project # 2182815.01

SAMPLE ID: LAB ID:	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Commerical Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	B-1		B-2		B-3	
				L1957157-02	L1957157-01	L1957157-05	L1957157-05	L1957157-05	
COLLECTION DATE:				11/26/2019	11/26/2019	11/26/2019	11/26/2019	11/26/2019	11/26/2019
SAMPLE DEPTH:				7.5-8 ft bgs	6-6.5 ft bgs	6-6.5 ft bgs	6-6.5 ft bgs	4-4.5 ft bgs	4-4.5 ft bgs
SAMPLE MATRIX:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	Conc	Q	Conc	Q
VOLATILE ORGANICS BY GC/MS									
1,1,1-Trichloroethane	0.68	500	0.68	<0.00014	U	0.0002	J	<0.00016	U
1,1,2,2-Tetrachloroethane	NL	NL	NL	<0.00014	U	<0.00014	U	<0.00016	U
1,1,2-Trichloroethane	NL	NL	NL	<0.00023	U	<0.00023	U	<0.00026	U
1,1-Dichloroethane	0.27	240	0.27	<0.00012	U	<0.00012	U	<0.00014	U
1,1-Dichloroethene	0.33	500	0.33	<0.0002	U	<0.0002	U	<0.00023	U
1,2,4-Trichlorobenzene	NL	NL	NL	<0.00024	U	<0.00024	U	<0.00026	U
1,2,4-Trimethylbenzene	3.6	190	3.6	<0.00029	U	<0.00029	U	<0.00032	U
1,2-Dibromo-3-chloropropane	NL	NL	NL	<0.00086	U	<0.00086	U	<0.00097	U
1,2-Dibromoethane	NL	NL	NL	<0.00024	U	<0.00024	U	<0.00027	U
1,2-Dichlorobenzene	1.1	500	1.1	<0.00012	U	<0.00012	U	<0.00014	U
1,2-Dichloroethane	0.02	30	0.02	<0.00022	U	<0.00022	U	<0.00025	U
1,2-Dichloropropane	NL	NL	NL	<0.00011	U	<0.00011	U	<0.00012	U
1,3,5-Trimethylbenzene	8.4	190	8.4	<0.00017	U	<0.00017	U	<0.00019	U
1,3-Dichlorobenzene	2.4	280	2.4	<0.00013	U	<0.00013	U	<0.00015	U
1,4-Dichlorobenzene	1.8	130	1.8	<0.00015	U	<0.00015	U	<0.00017	U
2-Butanone	0.12	500	0.12	<0.0019	U	<0.0019	U	<0.0022	U
2-Hexanone	NL	NL	NL	<0.001	U	<0.001	U	<0.0012	U
4-Methyl-2-pentanone	NL	NL	NL	<0.0011	U	<0.0011	U	<0.0013	U
Acetone	0.05	500	0.05	<0.0042	U	<0.0042	U	<0.0047	U
Benzene	0.06	44	0.06	0.00017	J	<0.00014	U	<0.00016	U
Bromodichloromethane	NL	NL	NL	<0.00009	U	<0.00009	U	<0.00011	U
Bromoform	NL	NL	NL	<0.00021	U	<0.00021	U	<0.00024	U
Bromomethane	NL	NL	NL	<0.0005	U	<0.0005	U	<0.00057	U
Carbon disulfide	NL	NL	NL	<0.0039	U	<0.0039	U	<0.0044	U
Carbon tetrachloride	0.76	22	0.76	<0.0002	U	<0.0002	U	<0.00022	U
Chlorobenzene	1.1	500	1.1	<0.00011	U	<0.00011	U	<0.00012	U
Chloroethane	NL	NL	NL	<0.00039	U	<0.00039	U	<0.00044	U
Chloroform	0.37	350	0.37	<0.00012	U	<0.00012	U	<0.00014	U
Chloromethane	NL	NL	NL	<0.00081	U	<0.0008	U	<0.00091	U
cis-1,2-Dichloroethene	0.25	500	0.25	<0.00015	U	<0.00015	U	<0.00017	U
cis-1,3-Dichloropropene	NL	NL	NL	<0.00014	U	<0.00014	U	<0.00015	U
Cyclohexane	NL	NL	NL	<0.00047	U	<0.00047	U	<0.00053	U
Dibromochloromethane	NL	NL	NL	<0.00012	U	<0.00012	U	<0.00014	U
Dichlorodifluoromethane	NL	NL	NL	<0.00079	U	<0.00079	U	<0.00089	U
Ethylbenzene	1	390	1	<0.00012	U	<0.00012	U	<0.00014	U
Freon-113	NL	NL	NL	<0.0006	U	<0.0006	U	<0.00068	U
Isopropylbenzene	NL	NL	NL	<0.00009	U	<0.00009	U	<0.00011	U
Methyl Acetate	NL	NL	NL	<0.00082	U	<0.00082	U	<0.00093	U
Methyl cyclohexane	NL	NL	NL	<0.00052	U	<0.00052	U	<0.00059	U
Methyl tert butyl ether	0.93	500	0.93	<0.00017	U	<0.00017	U	<0.0002	U
Methylene chloride	0.05	500	0.05	<0.002	U	<0.002	U	<0.0022	U
n-Butylbenzene	12	500	12	<0.00014	U	<0.00014	U	<0.00016	U
n-Propylbenzene	3.9	500	3.9	<0.00015	U	<0.00015	U	<0.00017	U
Naphthalene	12	500	12	<0.00056	U	<0.00056	U	<0.00063	U
o-Xylene	0.26	500	1.6	<0.00025	U	<0.00025	U	<0.00028	U
p-Isopropyltoluene	NL	NL	NL	<0.00009	U	<0.00009	U	<0.00011	U
p/m-Xylene	0.26	500	1.6	<0.00048	U	<0.00048	U	<0.00055	U
sec-Butylbenzene	11	500	11	<0.00013	U	<0.00013	U	<0.00014	U
Styrene	NL	NL	NL	<0.00017	U	<0.00017	U	<0.00019	U
tert-Butylbenzene	5.9	500	5.9	<0.0001	U	<0.0001	U	<0.00012	U
Tetrachloroethene	1.3	150	1.3	<0.00017	U	0.0005		0.00039	J
Toluene	0.7	500	0.7	0.00048	J	<0.00047	U	<0.00053	U
trans-1,2-Dichloroethene	0.19	500	0.19	<0.00012	U	<0.00012	U	<0.00013	U
trans-1,3-Dichloropropene	NL	NL	NL	<0.00024	U	<0.00024	U	<0.00027	U
Trichloroethene	0.47	200	0.47	<0.00012	U	<0.00012	U	<0.00013	U
Trichlorofluoromethane	NL	NL	NL	<0.0006	U	<0.0006	U	<0.00068	U
Vinyl chloride	0.02	13	0.02	<0.00029	U	<0.00029	U	<0.00033	U
Total VOCs				0.00065		0.0007		0.00039	

NOTES:

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

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

Italic font indicates the compound was not detected above the MDL but the MDL exceeds one or more applicable SCO.

Bold font indicates that the compound was detected at a concentration above its respective MDL.

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

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

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

VOCs analyzed by USEPA Method 8260

NL indicates Not Listed

J indicates an estimated value

U indicates the concentration was not detected above MDL

Table 1
Phase II Environmental Site Assessment
E. Main and Laura Properties, Rochester, NY
Summary of VOCs in Soil
LaBella Project # 2182815.01

SAMPLE ID: LAB ID:	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Commerical Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	B-4		B-5		B-6	
				L1956543-01	L1957157-03	L1957157-04			
COLLECTION DATE:				11/22/2019	11/26/2019	11/26/2019			
SAMPLE DEPTH:				6-7 ft bgs	4-4.5 ft bgs	7-7.5 ft bgs			
SAMPLE MATRIX:				SOIL	SOIL	SOIL			
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	Conc	Q	Conc	Q
VOLATILE ORGANICS BY GC/MS									
1,1,1-Trichloroethane	0.68	500	0.68	<0.00015	U	<0.00014	U	0.00028	J
1,1,2,2-Tetrachloroethane	NL	NL	NL	<0.00015	U	<0.00014	U	<0.00014	U
1,1,2-Trichloroethane	NL	NL	NL	<0.00025	U	<0.00023	U	<0.00023	U
1,1-Dichloroethane	0.27	240	0.27	<0.00013	U	<0.00012	U	<0.00012	U
1,1-Dichloroethene	0.33	500	0.33	<0.00022	U	<0.0002	U	<0.0002	U
1,2,4-Trichlorobenzene	NL	NL	NL	<0.00025	U	<0.00023	U	<0.00023	U
1,2,4-Trimethylbenzene	3.6	190	3.6	<0.00031	U	<0.00028	U	<0.00029	U
1,2-Dibromo-3-chloropropane	NL	NL	NL	<0.00092	U	<0.00085	U	<0.00086	U
1,2-Dibromoethane	NL	NL	NL	<0.00026	U	<0.00024	U	<0.00024	U
1,2-Dichlorobenzene	1.1	500	1.1	<0.00013	U	<0.00012	U	<0.00012	U
1,2-Dichloroethane	0.02	30	0.02	<0.00024	U	<0.00022	U	<0.00022	U
1,2-Dichloropropane	NL	NL	NL	<0.00012	U	<0.00011	U	<0.00011	U
1,3,5-Trimethylbenzene	8.4	190	8.4	<0.00018	U	<0.00016	U	<0.00017	U
1,3-Dichlorobenzene	2.4	280	2.4	<0.00014	U	<0.00013	U	<0.00013	U
1,4-Dichlorobenzene	1.8	130	1.8	<0.00016	U	<0.00015	U	<0.00015	U
2-Butanone	0.12	500	0.12	<0.002	U	<0.0019	U	<0.0019	U
2-Hexanone	NL	NL	NL	<0.0011	U	<0.001	U	<0.001	U
4-Methyl-2-pentanone	NL	NL	NL	<0.0012	U	<0.0011	U	<0.0011	U
Acetone	0.05	500	0.05	<0.044	U	<0.0041	U	<0.0041	U
Benzene	0.06	44	0.06	<0.00015	U	<0.00014	U	<0.00014	U
Bromodichloromethane	NL	NL	NL	<0.0001	U	<0.00009	U	<0.00009	U
Bromoform	NL	NL	NL	<0.00023	U	<0.00021	U	<0.00021	U
Bromomethane	NL	NL	NL	<0.00054	U	<0.0005	U	<0.0005	U
Carbon disulfide	NL	NL	NL	<0.0042	U	<0.0039	U	<0.0039	U
Carbon tetrachloride	0.76	22	0.76	<0.00021	U	<0.0002	U	<0.0002	U
Chlorobenzene	1.1	500	1.1	<0.00012	U	<0.00011	U	<0.00011	U
Chloroethane	NL	NL	NL	<0.00042	U	<0.00039	U	<0.00039	U
Chloroform	0.37	350	0.37	<0.00013	U	<0.00012	U	<0.00012	U
Chloromethane	NL	NL	NL	<0.00086	U	<0.0008	U	<0.0008	U
cis-1,2-Dichloroethene	0.25	500	0.25	<0.00016	U	<0.00015	U	<0.00015	U
cis-1,3-Dichloropropene	NL	NL	NL	<0.00014	U	<0.00014	U	<0.00014	U
Cyclohexane	NL	NL	NL	<0.0005	U	<0.00046	U	<0.00047	U
Dibromochloromethane	NL	NL	NL	<0.00013	U	<0.00012	U	<0.00012	U
Dichlorodifluoromethane	NL	NL	NL	<0.00084	U	<0.00078	U	<0.00079	U
Ethylbenzene	1	390	1	<0.00013	U	<0.00012	U	<0.00012	U
Freon-113	NL	NL	NL	<0.00064	U	<0.00059	U	<0.0006	U
Isopropylbenzene	NL	NL	NL	<0.0001	U	<0.00009	U	<0.00009	U
Methyl Acetate	NL	NL	NL	<0.00088	U	<0.00081	U	<0.00082	U
Methyl cyclohexane	NL	NL	NL	<0.00056	U	<0.00052	U	<0.00052	U
Methyl tert butyl ether	0.93	500	0.93	<0.00018	U	<0.00017	U	<0.00017	U
Methylene chloride	0.05	500	0.05	<0.0021	U	<0.002	U	<0.002	U
n-Butylbenzene	12	500	12	<0.00015	U	<0.00014	U	<0.00014	U
n-Propylbenzene	3.9	500	3.9	<0.00016	U	<0.00015	U	<0.00015	U
Naphthalene	12	500	12	<0.0006	U	<0.00056	U	<0.00056	U
o-Xylene	0.26	500	1.6	<0.00027	U	<0.00025	U	<0.00025	U
p-Isopropyltoluene	NL	NL	NL	<0.0001	U	<0.00009	U	<0.00009	U
p/m-Xylene	0.26	500	1.6	<0.00052	U	<0.00048	U	<0.00048	U
sec-Butylbenzene	11	500	11	<0.00013	U	<0.00012	U	<0.00012	U
Styrene	NL	NL	NL	<0.00018	U	<0.00017	U	<0.00017	U
tert-Butylbenzene	5.9	500	5.9	<0.00011	U	<0.0001	U	<0.0001	U
Tetrachloroethene	1.3	150	1.3	<0.00018	U	0.00043		0.00064	
Toluene	0.7	500	0.7	<0.0005	U	<0.00046	U	<0.00047	U
trans-1,2-Dichloroethene	0.19	500	0.19	<0.00013	U	<0.00012	U	<0.00012	U
trans-1,3-Dichloropropene	NL	NL	NL	<0.00025	U	<0.00023	U	<0.00024	U
Trichloroethene	0.47	200	0.47	<0.00013	U	<0.00012	U	<0.00012	U
Trichlorofluoromethane	NL	NL	NL	<0.00064	U	<0.00059	U	<0.0006	U
Vinyl chloride	0.02	13	0.02	<0.00031	U	<0.00029	U	<0.00029	U
Total VOCs				N/A		0.00043		0.00092	

NOTES:

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

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

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Bold font indicates that the compound was detected at a concentration above its respective MDL.

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

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

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

VOCs analyzed by USEPA Method 8260

NL indicates Not Listed

J indicates an estimated value

U indicates the concentration was not detected above MDL

Table 1
Phase II Environmental Site Assessment
E. Main and Laura Properties, Rochester, NY
Summary of VOCs in Soil
LaBella Project # 2182815.01

SAMPLE ID: LAB ID:	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Commerical Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SB-09		SB-10		SB-11	
				L1960052	L1960052	L1960052	L1960052	L1960052	
COLLECTION DATE:				12/9/2019	12/9/2019	12/9/2019	12/9/2019	12/9/2019	12/9/2019
SAMPLE DEPTH:				3.5 ft bgs	4.2 ft bgs	4.2 ft bgs	4.2 ft bgs	2 ft bgs	2 ft bgs
SAMPLE MATRIX:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	Conc	Q	Conc	Q
VOLATILE ORGANICS BY GC/MS									
1,1,1-Trichloroethane	0.68	500	0.68	<0.00016	U	<0.00014	U	<0.00015	U
1,1,2,2-Tetrachloroethane	NL	NL	NL	<0.00016	U	<0.00014	U	<0.00015	U
1,1,2-Trichloroethane	NL	NL	NL	<0.00026	U	<0.00023	U	<0.00024	U
1,1-Dichloroethane	0.27	240	0.27	<0.00014	U	<0.00012	U	<0.00013	U
1,1-Dichloroethene	0.33	500	0.33	<0.00023	U	<0.0002	U	<0.00021	U
1,2,4-Trichlorobenzene	NL	NL	NL	<0.00026	U	<0.00023	U	<0.00024	U
1,2,4-Trimethylbenzene	3.6	190	3.6	<0.00032	U	<0.00028	U	<0.00030	U
1,2-Dibromo-3-chloropropane	NL	NL	NL	<0.00096	U	<0.00085	U	<0.00089	U
1,2-Dibromoethane	NL	NL	NL	<0.00027	U	<0.00024	U	<0.00025	U
1,2-Dichlorobenzene	1.1	500	1.1	<0.00014	U	<0.00012	U	<0.00013	U
1,2-Dichloroethane	0.02	30	0.02	<0.00025	U	<0.00022	U	<0.00023	U
1,2-Dichloropropane	NL	NL	NL	<0.00012	U	<0.00011	U	<0.00011	U
1,3,5-Trimethylbenzene	8.4	190	8.4	<0.00018	U	<0.00016	U	<0.00017	U
1,3-Dichlorobenzene	2.4	280	2.4	<0.00014	U	<0.00013	U	<0.00013	U
1,4-Dichlorobenzene	1.8	130	1.8	<0.00016	U	<0.00015	U	<0.00015	U
2-Butanone	0.12	500	0.12	<0.0021	U	<0.0019	U	<0.002	U
2-Hexanone	NL	NL	NL	<0.0011	U	<0.001	U	<0.001	U
4-Methyl-2-pentanone	NL	NL	NL	<0.0012	U	<0.0011	U	<0.0011	U
Acetone	0.05	500	0.05	<0.0046	U	<0.0041	U	<0.0043	U
Benzene	0.06	44	0.06	<0.00016	U	<0.00014	U	<0.00015	U
Bromodichloromethane	NL	NL	NL	<0.0001	U	<0.00009	U	<0.0001	U
Bromoform	NL	NL	NL	<0.00024	U	<0.00021	U	<0.00022	U
Bromomethane	NL	NL	NL	<0.00056	U	<0.0005	U	<0.00052	U
Carbon disulfide	NL	NL	NL	<0.0044	U	<0.0039	U	<0.0041	U
Carbon tetrachloride	0.76	22	0.76	<0.00022	U	<0.0002	U	<0.00021	U
Chlorobenzene	1.1	500	1.1	<0.00012	U	<0.00011	U	<0.00011	U
Chloroethane	NL	NL	NL	<0.00043	U	<0.00039	U	<0.0004	U
Chloroform	0.37	350	0.37	<0.00013	U	<0.00012	U	<0.00012	U
Chloromethane	NL	NL	NL	<0.0009	U	<0.0008	U	<0.00083	U
cis-1,2-Dichloroethene	0.25	500	0.25	<0.00017	U	<0.00015	U	<0.00016	U
cis-1,3-Dichloropropene	NL	NL	NL	<0.00015	U	<0.00014	U	<0.00014	U
Cyclohexane	NL	NL	NL	<0.00052	U	<0.00046	U	<0.00049	U
Dibromochloromethane	NL	NL	NL	<0.00013	U	<0.00012	U	<0.00012	U
Dichlorodifluoromethane	NL	NL	NL	<0.00088	U	<0.00078	U	<0.00082	U
Ethylbenzene	1	390	1	<0.00014	U	<0.00012	U	<0.00013	U
Freon-113	NL	NL	NL	<0.00067	U	<0.00059	U	<0.00062	U
Isopropylbenzene	NL	NL	NL	<0.00096	U	<0.00009	U	<0.0001	U
Methyl Acetate	NL	NL	NL	<0.00091	U	<0.00081	U	<0.00085	U
Methyl cyclohexane	NL	NL	NL	<0.00058	U	<0.00052	U	<0.00054	U
Methyl tert butyl ether	0.93	500	0.93	<0.00019	U	<0.00017	U	<0.00018	U
Methylene chloride	0.05	500	0.05	<0.0022	U	<0.002	U	<0.002	U
n-Butylbenzene	12	500	12	<0.00016	U	<0.00014	U	<0.00015	U
n-Propylbenzene	3.9	500	3.9	<0.00016	U	<0.00015	U	<0.00015	U
Naphthalene	12	500	12	<0.00062	U	<0.00056	U	<0.00058	U
o-Xylene	0.26	500	1.6	<0.00028	U	<0.00025	U	<0.00026	U
p-Isopropyltoluene	NL	NL	NL	<0.0001	U	<0.00009	U	<0.0001	U
p/m-Xylene	0.26	500	1.6	<0.00054	U	<0.00048	U	<0.0005	U
sec-Butylbenzene	11	500	11	<0.00014	U	<0.00012	U	<0.00013	U
Styrene	NL	NL	NL	<0.00019	U	<0.00017	U	<0.00018	U
tert-Butylbenzene	5.9	500	5.9	<0.00011	U	<0.0001	U	<0.0001	U
Tetrachloroethene	1.3	150	1.3	<0.00019	U	<0.00017	U	<0.00018	U
Toluene	0.7	500	0.7	<0.00096	U	<0.00046	U	<0.00049	U
trans-1,2-Dichloroethene	0.19	500	0.19	0.00028	J	0.00024	J	<0.00012	U
trans-1,3-Dichloropropene	NL	NL	NL	<0.00026	U	<0.00023	U	<0.00024	U
Trichloroethene	0.47	200	0.47	<0.00013	U	<0.00012	U	<0.00012	U
Trichlorofluoromethane	NL	NL	NL	<0.00067	U	<0.00059	U	<0.00062	U
Vinyl chloride	0.02	13	0.02	<0.00032	U	<0.00029	U	<0.0003	U
Total VOCs				0.00028		0.00024		N/A	-

NOTES:

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

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

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

VOCs analyzed by USEPA Method 8260

NL indicates Not Listed

J indicates an estimated value

U indicates the concentration was not detected above MDL

Table 1
Phase II Environmental Site Assessment
E. Main and Laura Properties, Rochester, NY
Summary of VOCs in Soil
LaBella Project # 2182815.01

SAMPLE ID: LAB ID:	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Commerical Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SB-12		SB-13		SB-14	
				L1960052	12/9/2019	L1960052	12/9/2019	L1960052	12/9/2019
COLLECTION DATE:	(mg/kg)	(mg/kg)	(mg/kg)	3.5 ft bgs		13 ft bgs		6 ft bgs	
SAMPLE DEPTH:				SOIL		SOIL		SOIL	
SAMPLE MATRIX:	Conc	Q	Conc	Q	Conc	Q	Conc	Q	
VOLATILE ORGANICS BY GC/MS									
1,1,1-Trichloroethane	0.68	500	0.68	<0.00014	U	<0.00015	U	<0.00013	U
1,1,2,2-Tetrachloroethane	NL	NL	NL	<0.00014	U	<0.00015	U	<0.00013	U
1,1,2-Trichloroethane	NL	NL	NL	<0.00022	U	<0.00024	U	<0.00021	U
1,1-Dichloroethane	0.27	240	0.27	<0.00012	U	<0.00013	U	<0.00011	U
1,1-Dichloroethene	0.33	500	0.33	<0.0002	U	<0.00021	U	<0.00018	U
1,2,4-Trichlorobenzene	NL	NL	NL	<0.00022	U	<0.00024	U	<0.00021	U
1,2,4-Trimethylbenzene	3.6	190	3.6	<0.00028	U	<0.0003	U	<0.00026	U
1,2-Dibromo-3-chloropropane	NL	NL	NL	<0.00082	U	<0.0009	U	<0.00077	U
1,2-Dibromoethane	NL	NL	NL	<0.00023	U	<0.00025	U	<0.00022	U
1,2-Dichlorobenzene	1.1	500	1.1	<0.00012	U	<0.00013	U	<0.00011	U
1,2-Dichloroethane	0.02	30	0.02	<0.00021	U	<0.00023	U	<0.0002	U
1,2-Dichloropropane	NL	NL	NL	<0.0001	U	<0.00011	U	<0.0001	U
1,3,5-Trimethylbenzene	8.4	190	8.4	<0.00016	U	<0.00017	U	<0.00015	U
1,3-Dichlorobenzene	2.4	280	2.4	<0.00012	U	<0.00013	U	<0.00011	U
1,4-Dichlorobenzene	1.8	130	1.8	<0.00014	U	<0.00015	U	<0.00013	U
2-Butanone	0.12	500	0.12	<0.0018	U	<0.002	U	<0.0017	U
2-Hexanone	NL	NL	NL	<0.00097	U	<0.0011	U	<0.00091	U
4-Methyl-2-pentanone	NL	NL	NL	<0.001	U	<0.0012	U	<0.00099	U
Acetone	0.05	500	0.05	<0.004	U	<0.0043	U	<0.0037	U
Benzene	0.06	44	0.06	<0.00014	U	0.00059		0.00022	J
Bromodichloromethane	NL	NL	NL	<0.00009	U	<0.0001	U	<0.00008	U
Bromoform	NL	NL	NL	<0.0002	U	<0.00022	U	<0.00019	U
Bromomethane	NL	NL	NL	<0.00048	U	<0.00052	U	<0.00045	U
Carbon disulfide	NL	NL	NL	<0.0037	U	<0.0041	U	<0.0035	U
Carbon tetrachloride	0.76	22	0.76	<0.00019	U	<0.00021	U	<0.00018	U
Chlorobenzene	1.1	500	1.1	<0.0001	U	<0.00011	U	<0.0001	U
Chloroethane	NL	NL	NL	<0.00037	U	<0.00041	U	<0.00035	U
Chloroform	0.37	350	0.37	<0.00012	U	<0.00012	U	<0.00011	U
Chloromethane	NL	NL	NL	<0.00077	U	<0.00084	U	<0.00072	U
cis-1,2-Dichloroethene	0.25	500	0.25	<0.00014	U	<0.00016	U	<0.00014	U
cis-1,3-Dichloropropene	NL	NL	NL	<0.00013	U	<0.00014	U	<0.00012	U
Cyclohexane	NL	NL	NL	<0.00045	U	<0.00049	U	<0.00042	U
Dibromochloromethane	NL	NL	NL	<0.00012	U	<0.00012	U	<0.00011	U
Dichlorodifluoromethane	NL	NL	NL	<0.00075	U	<0.00082	U	<0.00071	U
Ethylbenzene	1	390	1	<0.00012	U	<0.00013	U	<0.00011	U
Freon-113	NL	NL	NL	<0.00057	U	<0.00062	U	<0.00054	U
Isopropylbenzene	NL	NL	NL	<0.00009	U	<0.0001	U	<0.00008	U
Methyl Acetate	NL	NL	NL	<0.00078	U	0.0024	J	<0.00074	U
Methyl cyclohexane	NL	NL	NL	<0.0005	U	0.0012	J	<0.00047	U
Methyl tert butyl ether	0.93	500	0.93	<0.00016	U	<0.00018	U	<0.00016	U
Methylene chloride	0.05	500	0.05	<0.0019	U	<0.002	U	<0.0018	U
n-Butylbenzene	12	500	12	<0.00014	U	<0.00015	U	<0.00013	U
n-Propylbenzene	3.9	500	3.9	<0.00014	U	<0.00015	U	<0.00013	U
Naphthalene	12	500	12	<0.00054	U	<0.00058	U	<0.0005	U
o-Xylene	0.26	500	1.6	<0.00024	U	<0.00026	U	<0.00022	U
p-Isopropyltoluene	NL	NL	NL	<0.00009	U	<0.0001	U	<0.00008	U
p/m-Xylene	0.26	500	1.6	<0.00046	U	0.00069	J	<0.00043	U
sec-Butylbenzene	11	500	11	<0.00012	U	<0.00013	U	<0.00011	U
Styrene	NL	NL	NL	<0.00016	U	<0.00018	U	<0.00015	U
tert-Butylbenzene	5.9	500	5.9	<0.0001	U	<0.00011	U	<0.00009	U
Tetrachloroethene	1.3	150	1.3	<0.00016	U	<0.00018	U	<0.00015	U
Toluene	0.7	500	0.7	<0.00045	U	0.0012		0.0005	J
trans-1,2-Dichloroethene	0.19	500	0.19	<0.00011	U	0.0004	J	0.0007	J
trans-1,3-Dichloropropene	NL	NL	NL	<0.00022	U	<0.00024	U	<0.00021	U
Trichloroethene	0.47	200	0.47	<0.00011	U	<0.00012	U	<0.00011	U
Trichlorofluoromethane	NL	NL	NL	<0.00057	U	<0.00062	U	<0.00054	U
Vinyl chloride	0.02	13	0.02	<0.00028	U	<0.0003	U	<0.00026	U
Total VOCs				N/A	-	0.00648	-	0.00142	-

NOTES:

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

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

Italic font indicates the compound was not detected above the MDL but the MDL exceeds one or more applicable SCO.

Bold font indicates that the compound was detected at a concentration above its respective MDL.

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

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

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

VOCs analyzed by USEPA Method 8260

NL indicates Not Listed

J indicates an estimated value

U indicates the concentration was not detected above MDL

Table 1
Phase II Environmental Site Assessment
E. Main and Laura Properties, Rochester, NY
Summary of VOCs in Soil
LaBella Project # 2182815.01

SAMPLE ID: LAB ID:	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Commerical Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	BW-02		TP-13		TP-14	
				L1960052		L1960052		L1960052	
COLLECTION DATE:				12/10/2019		12/12/2019		12/12/2019	
SAMPLE DEPTH:				4 ft bgs		5 ft bgs		3 ft bgs	
SAMPLE MATRIX:				SOIL		SOIL		SOIL	
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	Conc	Q	Conc	Q
VOLATILE ORGANICS BY GC/MS									
1,1,1-Trichloroethane	0.68	500	0.68	<0.0001	U	<0.00015	U	<0.00014	U
1,1,2,2-Tetrachloroethane	NL	NL	NL	<0.0001	U	<0.00015	U	<0.00014	U
1,1,2-Trichloroethane	NL	NL	NL	<0.00016	U	<0.00024	U	<0.00023	U
1,1-Dichloroethane	0.27	240	0.27	<0.00009	U	<0.00013	U	<0.00012	U
1,1-Dichloroethene	0.33	500	0.33	<0.00014	U	<0.00021	U	<0.0002	U
1,2,4-Trichlorobenzene	NL	NL	NL	<0.00016	U	<0.00024	U	<0.00023	U
1,2,4-Trimethylbenzene	3.6	190	3.6	<0.0002	U	<0.0003	U	<0.00029	U
1,2-Dibromo-3-chloropropane	NL	NL	NL	<0.0006	U	<0.00089	U	<0.00086	U
1,2-Dibromoethane	NL	NL	NL	<0.00017	U	<0.00025	U	<0.00024	U
1,2-Dichlorobenzene	1.1	500	1.1	<0.00009	U	<0.00013	U	<0.00012	U
1,2-Dichloroethane	0.02	30	0.02	<0.00015	U	<0.00023	U	<0.00022	U
1,2-Dichloropropane	NL	NL	NL	<0.00008	U	<0.00011	U	<0.00011	U
1,3,5-Trimethylbenzene	8.4	190	8.4	<0.00012	U	<0.00017	U	<0.00016	U
1,3-Dichlorobenzene	2.4	280	2.4	<0.00009	U	<0.00013	U	<0.00013	U
1,4-Dichlorobenzene	1.8	130	1.8	<0.0001	U	<0.00015	U	<0.00015	U
2-Butanone	0.12	500	0.12	<0.0013	U	<0.002	U	<0.0019	U
2-Hexanone	NL	NL	NL	<0.00071	U	<0.001	U	<0.001	U
4-Methyl-2-pentanone	NL	NL	NL	<0.00077	U	<0.0011	U	<0.0011	U
Acetone	0.05	500	0.05	0.0036	J	<0.0043	U	<0.0041	U
Benzene	0.06	44	0.06	<0.0001	U	<0.00015	U	<0.00014	U
Bromodichloromethane	NL	NL	NL	<0.00007	U	<0.0001	U	<0.00009	U
Bromoform	NL	NL	NL	<0.00015	U	<0.00022	U	<0.00021	U
Bromomethane	NL	NL	NL	<0.00035	U	<0.00052	U	<0.0005	U
Carbon disulfide	NL	NL	NL	<0.0027	U	<0.004	U	<0.0039	U
Carbon tetrachloride	0.76	22	0.76	<0.00014	U	<0.0002	U	<0.0002	U
Chlorobenzene	1.1	500	1.1	<0.00008	U	<0.00011	U	<0.00011	U
Chloroethane	NL	NL	NL	<0.00027	U	<0.0004	U	<0.00039	U
Chloroform	0.37	350	0.37	0.00016	J	<0.00012	U	<0.00012	U
Chloromethane	NL	NL	NL	<0.00056	U	<0.00083	U	<0.0008	U
cis-1,2-Dichloroethene	0.25	500	0.25	<0.0001	U	<0.00016	U	<0.00015	U
cis-1,3-Dichloropropene	NL	NL	NL	<0.0001	U	<0.00014	U	<0.00014	U
Cyclohexane	NL	NL	NL	<0.00033	U	<0.00048	U	<0.00047	U
Dibromochloromethane	NL	NL	NL	<0.00008	U	<0.00012	U	<0.00012	U
Dichlorodifluoromethane	NL	NL	NL	<0.00055	U	<0.00081	U	<0.00078	U
Ethylbenzene	1	390	1	<0.00009	U	<0.00012	U	<0.00012	U
Freon-113	NL	NL	NL	<0.00042	U	<0.00062	U	<0.00059	U
Isopropylbenzene	NL	NL	NL	<0.00007	U	<0.0001	U	<0.00009	U
Methyl Acetate	NL	NL	NL	<0.00057	U	<0.00084	U	0.0019	J
Methyl cyclohexane	NL	NL	NL	<0.00036	U	<0.00054	U	<0.00052	U
Methyl tert butyl ether	0.93	500	0.93	<0.00012	U	<0.00018	U	<0.00017	U
Methylene chloride	0.05	500	0.05	<0.0014	U	<0.002	U	<0.002	U
n-Butylbenzene	12	500	12	<0.0001	U	<0.00015	U	<0.00014	U
n-Propylbenzene	3.9	500	3.9	<0.0001	U	<0.00015	U	<0.00015	U
Naphthalene	12	500	12	<0.00039	U	<0.00058	U	<0.00056	U
o-Xylene	0.26	500	1.6	<0.00018	U	<0.00026	U	<0.00025	U
p-Isopropyltoluene	NL	NL	NL	<0.00007	U	<0.0001	U	<0.00009	U
p/m-Xylene	0.26	500	1.6	<0.00034	U	<0.0005	U	<0.00048	U
sec-Butylbenzene	11	500	11	<0.00009	U	<0.00013	U	<0.00012	U
Styrene	NL	NL	NL	<0.00012	U	<0.00017	U	<0.00017	U
tert-Butylbenzene	5.9	500	5.9	<0.00007	U	<0.0001	U	<0.0001	U
Tetrachloroethene	1.3	150	1.3	<0.00012	U	<0.00017	U	<0.00017	U
Toluene	0.7	500	0.7	<0.00033	U	<0.00048	U	<0.00046	U
trans-1,2-Dichloroethene	0.19	500	0.19	0.00012	J	<0.00012	U	<0.00012	U
trans-1,3-Dichloropropene	NL	NL	NL	<0.00016	U	<0.00024	U	<0.00023	U
Trichloroethene	0.47	200	0.47	<0.00008	U	<0.00012	U	<0.00012	U
Trichlorofluoromethane	NL	NL	NL	<0.00042	U	<0.00062	U	<0.0006	U
Vinyl chloride	0.02	13	0.02	<0.0002	U	<0.0003	U	<0.00029	U
Total VOCs				0.00388	-	N/A	-	0.0019	-

NOTES:

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

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

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Bold font indicates that the compound was detected at a concentration above its respective MDL.

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

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

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

VOCs analyzed by USEPA Method 8260

NL indicates Not Listed

J indicates an estimated value

U indicates the concentration was not detected above MDL

Table 1
Phase II Environmental Site Assessment
E. Main and Laura Properties, Rochester, NY
Summary of VOCs in Soil
LaBella Project # 2182815.01

SAMPLE ID: LAB ID:	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Commerical Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	TP-15		TP-16		TP-17	
				L1960052		L1960052		L1960052	
COLLECTION DATE:				12/12/2019		12/12/2019		12/12/2019	
SAMPLE DEPTH:				2.5 ft bgs		3-4 ft bgs		2-3 ft bgs	
SAMPLE MATRIX:				SOIL		SOIL		SOIL	
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	Conc	Q	Conc	Q
VOLATILE ORGANICS BY GC/MS									
1,1,1-Trichloroethane	0.68	500	0.68	<0.00017	U	<0.00017	U	<0.00016	U
1,1,2,2-Tetrachloroethane	NL	NL	NL	<0.00017	U	<0.00017	U	<0.00016	U
1,1,2-Trichloroethane	NL	NL	NL	<0.00027	U	<0.00027	U	<0.00026	U
1,1-Dichloroethane	0.27	240	0.27	<0.00014	U	<0.00014	U	<0.00014	U
1,1-Dichloroethene	0.33	500	0.33	<0.00024	U	<0.00024	U	<0.00024	U
1,2,4-Trichlorobenzene	NL	NL	NL	<0.00027	U	<0.00027	U	<0.00027	U
1,2,4-Trimethylbenzene	3.6	190	3.6	<0.00033	U	<0.00033	U	<0.00033	U
1,2-Dibromo-3-chloropropane	NL	NL	NL	<0.001	U	<0.001	U	<0.00099	U
1,2-Dibromoethane	NL	NL	NL	<0.00028	U	<0.00028	U	<0.00028	U
1,2-Dichlorobenzene	1.1	500	1.1	<0.00014	U	<0.00014	U	<0.00014	U
1,2-Dichloroethane	0.02	30	0.02	<0.00026	U	<0.00026	U	<0.00025	U
1,2-Dichloropropane	NL	NL	NL	<0.00012	U	<0.00012	U	<0.00012	U
1,3,5-Trimethylbenzene	8.4	190	8.4	<0.00019	U	<0.00019	U	<0.00019	U
1,3-Dichlorobenzene	2.4	280	2.4	<0.00015	U	<0.00015	U	<0.00015	U
1,4-Dichlorobenzene	1.8	130	1.8	<0.00017	U	<0.00017	U	<0.00017	U
2-Butanone	0.12	500	0.12	<0.0022	U	<0.0022	U	<0.0022	U
2-Hexanone	NL	NL	NL	<0.0012	U	<0.0012	U	<0.0012	U
4-Methyl-2-pentanone	NL	NL	NL	<0.0013	U	<0.0013	U	<0.0013	U
Acetone	0.05	500	0.05	<0.0048	U	<0.0048	U	<0.0048	U
Benzene	0.06	44	0.06	<0.00017	U	<0.00017	U	<0.00016	U
Bromodichloromethane	NL	NL	NL	<0.00011	U	<0.00011	U	<0.00011	U
Bromoform	NL	NL	NL	<0.00025	U	<0.00025	U	<0.00024	U
Bromomethane	NL	NL	NL	<0.00058	U	<0.00058	U	<0.00057	U
Carbon disulfide	NL	NL	NL	<0.0046	U	<0.0046	U	<0.0045	U
Carbon tetrachloride	0.76	22	0.76	<0.00023	U	<0.00023	U	<0.00023	U
Chlorobenzene	1.1	500	1.1	<0.00013	U	<0.00013	U	<0.00012	U
Chloroethane	NL	NL	NL	<0.00045	U	<0.00045	U	<0.00045	U
Chloroform	0.37	350	0.37	<0.00014	U	<0.00014	U	<0.00014	U
Chloromethane	NL	NL	NL	<0.00093	U	<0.00093	U	<0.00092	U
cis-1,2-Dichloroethene	0.25	500	0.25	<0.00018	U	<0.00018	U	<0.00017	U
cis-1,3-Dichloropropene	NL	NL	NL	<0.00016	U	<0.00016	U	<0.00016	U
Cyclohexane	NL	NL	NL	<0.00054	U	<0.00054	U	<0.00054	U
Dibromochloromethane	NL	NL	NL	<0.00014	U	<0.00014	U	<0.00014	U
Dichlorodifluoromethane	NL	NL	NL	<0.00092	U	<0.00092	U	<0.0009	U
Ethylbenzene	1	390	1	<0.00014	U	<0.00014	U	<0.00014	U
Freon-113	NL	NL	NL	<0.00069	U	<0.00069	U	<0.00068	U
Isopropylbenzene	NL	NL	NL	<0.00011	U	<0.00011	U	<0.00011	U
Methyl Acetate	NL	NL	NL	<0.00095	U	<0.00095	U	<0.00094	U
Methyl cyclohexane	NL	NL	NL	<0.0006	U	<0.0006	U	<0.0006	U
Methyl tert butyl ether	0.93	500	0.93	<0.0002	U	<0.0002	U	<0.0002	U
Methylene chloride	0.05	500	0.05	<0.0023	U	<0.0023	U	<0.0023	U
n-Butylbenzene	12	500	12	<0.00017	U	<0.00017	U	<0.00016	U
n-Propylbenzene	3.9	500	3.9	<0.00017	U	<0.00017	U	<0.00017	U
Naphthalene	12	500	12	<0.00065	U	<0.00065	U	<0.00064	U
o-Xylene	0.26	500	1.6	<0.00029	U	<0.00029	U	<0.00029	U
p-Isopropyltoluene	NL	NL	NL	<0.00011	U	<0.00011	U	<0.00011	U
p/m-Xylene	0.26	500	1.6	<0.00056	U	<0.00056	U	<0.00055	U
sec-Butylbenzene	11	500	11	<0.00015	U	<0.00015	U	<0.00014	U
Styrene	NL	NL	NL	<0.0002	U	<0.0002	U	<0.00019	U
tert-Butylbenzene	5.9	500	5.9	<0.00012	U	<0.00012	U	<0.00012	U
Tetrachloroethene	1.3	150	1.3	<0.0002	U	<0.0002	U	<0.00019	U
Toluene	0.7	500	0.7	<0.00054	U	<0.00054	U	<0.00054	U
trans-1,2-Dichloroethene	0.19	500	0.19	0.00084	J	0.00031	J	0.00057	J
trans-1,3-Dichloropropene	NL	NL	NL	<0.00027	U	<0.00027	U	<0.00027	U
Trichloroethene	0.47	200	0.47	<0.00014	U	<0.00014	U	<0.00014	U
Trichlorofluoromethane	NL	NL	NL	<0.0007	U	<0.0007	U	<0.00069	U
Vinyl chloride	0.02	13	0.02	<0.00034	U	<0.00034	U	<0.00033	U
Total VOCs				0.00084	-	0.00031	-	0.00057	-

NOTES:

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

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Bold font indicates that the compound was detected at a concentration above its respective MDL.

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

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

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

VOCs analyzed by USEPA Method 8260

NL indicates Not Listed

J indicates an estimated value

U indicates the concentration was not detected above MDL

Table 1
Phase II Environmental Site Assessment
E. Main and Laura Properties, Rochester, NY
Summary of VOCs in Soil
LaBella Project # 2182815.01

SAMPLE ID:	NYCRR Part 375	NYCRR Part 375	NYCRR Part 375	TP-18	
LAB ID:				L1960052	
COLLECTION DATE:				12/12/2019	
SAMPLE DEPTH:				3.5 ft bgs	
SAMPLE MATRIX:				SOIL	
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q
VOLATILE ORGANICS BY GC/MS					
1,1,1-Trichloroethane	0.68	500	0.68	<0.00016	U
1,1,2,2-Tetrachloroethane	NL	NL	NL	<0.00015	U
1,1,2-Trichloroethane	NL	NL	NL	<0.00025	U
1,1-Dichloroethane	0.27	240	0.27	<0.00013	U
1,1-Dichloroethene	0.33	500	0.33	<0.00022	U
1,2,4-Trichlorobenzene	NL	NL	NL	<0.00025	U
1,2,4-Trimethylbenzene	3.6	190	3.6	<0.00031	U
1,2-Dibromo-3-chloropropane	NL	NL	NL	<0.00093	U
1,2-Dibromoethane	NL	NL	NL	<0.00026	U
1,2-Dichlorobenzene	1.1	500	1.1	<0.00013	U
1,2-Dichloroethane	0.02	30	0.02	<0.00024	U
1,2-Dichloropropane	NL	NL	NL	<0.00012	U
1,3,5-Trimethylbenzene	8.4	190	8.4	<0.00018	U
1,3-Dichlorobenzene	2.4	280	2.4	<0.00014	U
1,4-Dichlorobenzene	1.8	130	1.8	<0.00016	U
2-Butanone	0.12	500	0.12	0.011	
2-Hexanone	NL	NL	NL	<0.0011	U
4-Methyl-2-pentanone	NL	NL	NL	<0.0012	U
Acetone	0.05	500	0.05	0.053	
Benzene	0.06	44	0.06	0.0002	J
Bromodichloromethane	NL	NL	NL	<0.0001	U
Bromoform	NL	NL	NL	<0.00023	U
Bromomethane	NL	NL	NL	<0.00054	U
Carbon disulfide	NL	NL	NL	<0.0042	U
Carbon tetrachloride	0.76	22	0.76	<0.00021	U
Chlorobenzene	1.1	500	1.1	<0.00012	U
Chloroethane	NL	NL	NL	<0.00042	U
Chloroform	0.37	350	0.37	<0.00013	U
Chloromethane	NL	NL	NL	<0.00087	U
cis-1,2-Dichloroethene	0.25	500	0.25	<0.00016	U
cis-1,3-Dichloropropene	NL	NL	NL	<0.00015	U
Cyclohexane	NL	NL	NL	<0.0005	U
Dibromochloromethane	NL	NL	NL	<0.00013	U
Dichlorodifluoromethane	NL	NL	NL	<0.00085	U
Ethylbenzene	1	390	1	<0.00013	U
Freon-113	NL	NL	NL	<0.00064	U
Isopropylbenzene	NL	NL	NL	<0.0001	U
Methyl Acetate	NL	NL	NL	<0.00088	U
Methyl cyclohexane	NL	NL	NL	0.00096	J
Methyl tert butyl ether	0.93	500	0.93	<0.00019	U
Methylene chloride	0.05	500	0.05	<0.0021	U
n-Butylbenzene	12	500	12	<0.00016	U
n-Propylbenzene	3.9	500	3.9	<0.00016	U
Naphthalene	12	500	12	<0.0006	U
o-Xylene	0.26	500	1.6	<0.00027	U
p-Isopropyltoluene	NL	NL	NL	<0.0001	U
p/m-Xylene	0.26	500	1.6	<0.00052	U
sec-Butylbenzene	11	500	11	<0.00014	U
Styrene	NL	NL	NL	<0.00018	U
tert-Butylbenzene	5.9	500	5.9	<0.00011	U
Tetrachloroethene	1.3	150	1.3	<0.00018	U
Toluene	0.7	500	0.7	<0.0005	U
trans-1,2-Dichloroethene	0.19	500	0.19	0.00033	J
trans-1,3-Dichloropropene	NL	NL	NL	<0.00025	U
Trichloroethene	0.47	200	0.47	<0.00013	U
Trichlorofluoromethane	NL	NL	NL	<0.00065	U
Vinyl chloride	0.02	13	0.02	<0.00031	U
Total VOCs				0.06549	-

NOTES:

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

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

Italic font indicates the compound was not detected above the MDL but the MDL exceeds one or more applicable SCO.

Bold font indicates that the compound was detected at a concentration above its respective MDL.

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

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

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

VOCs analyzed by USEPA Method 8260

NL indicates Not Listed

J indicates an estimated value

U indicates the concentration was not detected above MDL

Table 2
Phase II Environmental Site Assessment
E. Main and Laura Properties, Rochester, NY
Summary of SVOCs in Soil
LaBella Project # 2182815.01

SAMPLE ID:	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Commerical Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	B-1		B-2		B-3		B-4		B-5		B-6	
LAB ID:				L1957157-02	L1957157-01	L1957157-05	L1956543-01	L1957157-03	L1957157-04						
COLLECTION DATE:				11/26/2019	11/26/2019	11/26/2019	11/22/2019	11/26/2019	11/26/2019						
SAMPLE DEPTH:				7.5-8 ft bgs	6-7 ft bgs	4-4.5 ft bgs	6-7 ft bgs	4-5 ft bgs	7-7.5 ft bgs						
SAMPLE MATRIX:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL						
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
SEMIVOLATILE ORGANICS BY GC/MS															
Acenaphthene	20	500	98	<0.018	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U
Acenaphthylene	100	500	107	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.029	U	<0.028	U
Anthracene	100	500	1000	<0.035	U	<0.035	U	<0.036	U	<0.035	U	<0.036	U	<0.036	U
Benzo(a)anthracene	1	5.6	1	<0.020	U	<0.020	U	<0.020	U	<0.020	U	0.021	J	<0.022	U
Benzo(a)pyrene	1	1	22	<0.044	U	<0.044	U	<0.044	U	<0.044	U	<0.046	U	<0.045	U
Benzo(b)fluoranthene	1	5.6	1.7	<0.030	U	<0.030	U	<0.031	U	<0.030	U	<0.031	U	<0.031	U
Benzo(ghi)perylene	100	500	1000	<0.021	U	<0.021	U	<0.021	U	<0.021	U	<0.022	U	<0.022	U
Benzo(k)fluoranthene	0.8	56	1.7	<0.029	U	<0.029	U	<0.029	U	<0.029	U	<0.030	U	<0.029	U
Chrysene	1	56	1	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U
Dibenzo(a,h)anthracene	0.33	0.56	1000	<0.021	U	<0.021	U	<0.021	U	<0.021	U	<0.022	U	<0.021	U
Fluoranthene	100	500	1000	<0.020	U	<0.021	U	<0.021	U	<0.021	U	0.03	J	<0.021	U
Fluorene	30	500	386	<0.017	U	<0.018	U	<0.018	U	<0.018	U	<0.018	U	<0.018	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	8.2	<0.025	U	<0.025	U	<0.025	U	<0.025	U	<0.026	U	<0.026	U
Phenanthrene	100	500	1000	<0.022	U	<0.022	U	<0.022	U	<0.022	U	<0.023	U	<0.022	U
Pyrene	100	500	1000	<0.018	U	<0.018	U	<0.018	U	<0.018	U	0.024	J	<0.018	U
Total SVOCs				N/A		N/A		N/A		N/A		0.075		N/A	

NOTES:

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Bold font indicates that the compound was detected at a concentration above its respective MDL

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

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

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

VOCs analyzed by USEPA Method 8260

SVOCs analyzed by USEPA Method 8270

NL indicates Not Listed

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Phase II Environmental Site Assessment
E. Main and Laura Properties, Rochester, NY
Summary of SVOCs in Soil
LaBella Project # 2182815.01

SAMPLE ID:	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Commerical Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SB-09	SB-10	SB-11	SB-12	SB-13	SB-14						
LAB ID:	L1960052	L1960052	L1960052	L1960052	L1960052	L1960052	L1960052	L1960052	L1960052						
COLLECTION DATE:	12/9/2019	12/9/2019	12/9/2019	12/9/2019	12/9/2019	12/9/2019	12/9/2019	12/9/2019	12/9/2019						
SAMPLE DEPTH:	3-4 ft bgs	4-5 ft bgs	0-2 ft bgs	2-4 ft bgs	12-13.5 ft bgs	5-7 ft bgs									
SAMPLE MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL						
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	Conc	Q	Conc	Q	Conc	Q				
SEMIVOLATILE ORGANICS BY GC/MS															
Acenaphthene	20	500	98	<0.021	U	<0.020	U	0.54	J	<0.019	U	<0.019	U		
Acenaphthylene	100	500	107	<0.31	U	<0.30	U	0.74	J	<0.029	U	<0.028	U	<0.029	U
Anthracene	100	500	1000	<0.039	U	<0.038	U	2.5		<0.036	U	<0.035	U	<0.036	U
Benzo(a)anthracene	1	5.6	1	0.19		0.026	J	<u>5.6</u>		<0.021	U	<0.020	U	<0.021	U
Benzo(a)pyrene	1	1	22	0.18		<0.047	U	<u>5.9</u>		<0.046	U	<0.044	U	<0.046	U
Benzo(b)fluoranthene	1	5.6	1.7	0.22		<0.033	U	<u>7.9</u>		<0.032	U	<0.03	U	<0.032	U
Benzo(ghi)perylene	100	500	1000	0.12	J	<0.023	U	4		<0.022	U	<0.021	U	0.023	J
Benzo(k)fluoranthene	0.8	56	1.7	0.063	J	<0.031	U	<u>2.6</u>		<0.030	U	<0.029	U	<0.03	U
Chrysene	1	56	1	0.18		0.021	J	<u>5.6</u>		<0.019	U	<0.019	U	<0.019	U
Dibenzo(a,h)anthracene	0.33	0.56	1000	0.028	J	<0.022	U	<u>0.97</u>		<0.022	U	<0.021	U	<0.021	U
Fluoranthene	100	500	1000	0.32		0.038	J	15		0.022	J	<0.021	U	<0.021	U
Fluorene	30	500	386	<0.019	U	<0.019	U	1		<0.018	U	<0.018	U	<0.018	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	8.2	0.12	J	<0.027	U	<u>4.3</u>		<0.026	U	<0.025	U	<0.026	U
Phenanthrene	100	500	1000	0.16		<0.024	U	9.5		<0.023	U	<0.022	U	<0.023	U
Pyrene	100	500	1000	0.34		0.032	J	11		0.021	J	<0.018	U	0.02	J
Total SVOCs				1.921	-	0.117	-	77.15	-	0.043	-	N/A	-	0.043	-

NOTES:

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VOCs analyzed by USEPA Method 8260

SVOCs analyzed by USEPA Method 8270

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E. Main and Laura Properties, Rochester, NY
Summary of SVOCs in Soil
LaBella Project # 2182815.01

SAMPLE ID:	NYCRR Part 375	NYCRR Part 375	NYCRR Part 375	TP-13	TP-14	TP-15	TP-16	TP-17	TP-18						
LAB ID:	Unrestricted Use	Commerical Use	Protection of	L1960052	L1960052	L1960052	L1960052	L1960052	L1960052						
COLLECTION DATE:	SCOs	SCOs	Groundwater	12/12/2019	12/12/2019	12/12/2019	12/12/2019	12/12/2019	12/12/2019						
SAMPLE DEPTH:			SCOs	4-5 ft bgs	3-4 ft bgs	2-3 ft bgs	3-4 ft bgs	2-3 ft bgs	3.5 ft bgs						
SAMPLE MATRIX:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL						
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	Conc	Q	Conc	Q	Conc	Q				
SEMIVOLATILE ORGANICS BY GC/MS															
Acenaphthene	20	500	98	<0.020	U	<0.019	U	0.022	J	<0.022	U	0.071	J		
Acenaphthylene	100	500	107	<0.029	U	<0.028	U	<0.031	U	<0.032	U	<0.030	U	<0.029	U
Anthracene	100	500	1000	<0.037	U	<0.036	U	0.049	J	<0.040	U	<0.038	U	0.15	
Benzo(a)anthracene	1	5.6	1	<0.021	U	<0.021	U	0.17		<0.023	U	<0.022	U	0.57	
Benzo(a)pyrene	1	1	22	<0.046	U	<0.045	U	0.18		<0.051	U	<0.048	U	0.57	
Benzo(b)fluoranthene	1	5.6	1.7	<0.032	U	<0.031	U	0.23		<0.035	U	<0.033	U	0.76	
Benzo(ghi)perylene	100	500	1000	<0.022	U	<0.022	U	0.13	J	<0.024	U	<0.023	U	0.4	
Benzo(k)fluoranthene	0.8	56	1.7	<0.030	U	<0.029	U	0.077	J	<0.033	U	<0.031	U	0.28	
Chrysene	1	56	1	<0.020	U	<0.019	U	0.16		<0.022	U	<0.020	U	0.58	
Dibenzo(a,h)anthracene	0.33	0.56	1000	<0.022	U	<0.021	U	0.027	J	<0.024	U	<0.023	U	0.1	J
Fluoranthene	100	500	1000	<0.022	U	<0.021	U	0.37		<0.024	U	0.024	J	1.3	
Fluorene	30	500	386	<0.018	U	<0.018	U	0.02	J	<0.020	U	<0.019	U	0.064	J
Indeno(1,2,3-cd)pyrene	0.5	5.6	8.2	<0.026	U	<0.026	U	0.13	J	<0.029	U	<0.027	U	0.42	
Phenanthrene	100	500	1000	<0.023	U	<0.022	U	0.22		<0.025	U	<0.024	U	0.61	
Pyrene	100	500	1000	<0.019	U	<0.018	U	0.32		<0.021	U	0.021	J	1.1	
Total SVOCs				N/A	-	N/A	-	2.105	-	N/A	-	0.045	-	6.975	-

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SAMPLE ID:	NYCRR Part 375	NYCRR Part 375	NYCRR Part 375	SS-05	SS-06	SS-07	SS-08	SS-09	SS-10						
LAB ID:	Unrestricted Use	Commerical Use	Protection of	L1960052	L1960052	L1960052	L1960052	L1960052	L1960052						
COLLECTION DATE:	SCOs	SCOs	Groundwater	12/12/2019	12/12/2019	12/12/2019	12/12/2019	12/12/2019	12/12/2019						
SAMPLE DEPTH:			SCOs	0-0.5 ft bgs	0-0.5 ft bgs	0-0.5 ft bgs	0-0.5 ft bgs	0-0.5 ft bgs	0-0.5 ft bgs						
SAMPLE MATRIX:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL						
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	Conc	Q	Conc	Q						
SEMIVOLATILE ORGANICS BY GC/MS															
Acenaphthene	20	500	98	0.19	J	0.052	J	0.05	J	0.055	J	<0.2	U	<0.019	U
Acenaphthylene	100	500	107	0.68		0.076	J	0.048	J	0.049	J	<0.29	U	<0.028	U
Anthracene	100	500	1000	1.5		0.18		0.13		0.15		<0.37	U	<0.035	U
Benzo(a)anthracene	1	5.6	1	5.1		0.52		0.93		0.72		<0.21	U	0.1	J
Benzo(a)pyrene	1	1	22	4.1		0.56		1		0.75		<0.46	U	0.1	J
Benzo(b)fluoranthene	1	5.6	1.7	5.3		0.73		1.5		1		<0.32	U	0.15	
Benzo(ghi)perylene	100	500	1000	2.6		0.38		0.78		0.62		<0.22	U	0.091	J
Benzo(k)fluoranthene	0.8	56	1.7	1.4		0.25		0.55		0.38		<0.3	U	0.057	J
Chrysene	1	56	1	3.8		0.53		1.1		0.78		<0.2	U	0.11	
Dibenzo(a,h)anthracene	0.33	0.56	1000	0.73		0.11	J	0.21		0.15		<0.22	U	<0.021	U
Fluoranthene	100	500	1000	9		1		2.2		1.6		<0.22	U	0.16	
Fluorene	30	500	386	0.37		0.076	J	0.051	J	0.059	J	<0.18	U	<0.017	U
Indeno(1,2,3-cd)pyrene	0.5	5.6	8.2	3		0.4		0.85		0.6		<0.26	U	0.09	J
Phenanthrene	100	500	1000	4.8		0.58		0.84		0.71		<0.23	U	0.045	J
Pyrene	100	500	1000	7.5		0.88		1.8		1.3		<0.19	U	0.14	
Total SVOCs				50.07	-	6.324	-	12.039	-	8.923	-	N/A	-	1.043	-

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VOCs analyzed by USEPA Method 8260

SVOCs analyzed by USEPA Method 8270

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LaBella Project # 2182815.01

SAMPLE ID:	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Commerical Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	SS-11		SS-12		SS-13		SS-14	
LAB ID:				L1960052		L1960052		L1960052		L1960052	
COLLECTION DATE:				12/12/2019		12/12/2019		12/12/2019		12/12/2019	
SAMPLE DEPTH:				0-0.5 ft bgs		0-0.5 ft bgs		0-0.5 ft bgs		0-0.5 ft bgs	
SAMPLE MATRIX:				SOIL		SOIL		SOIL		SOIL	
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	Conc	Q	Conc	Q	Conc	Q
SEMIVOLATILE ORGANICS BY GC/MS											
Acenaphthene	20	500	98	<0.022	U	0.13	J	0.03	J	<0.020	U
Acenaphthylene	100	500	107	<0.034	U	0.23		<0.032	U	<0.029	U
Anthracene	100	500	1000	0.074	J	0.68		0.082	J	0.095	J
Benzo(a)anthracene	1	5.6	1	0.35		<u>2.5</u>		0.35		0.41	
Benzo(a)pyrene	1	1	22	0.41		<u>2.5</u>		0.36		0.49	
Benzo(b)fluoranthene	1	5.6	1.7	0.58		<u>3.4</u>		0.47		0.64	
Benzo(ghi)perylene	100	500	1000	0.3		1.8		0.28		0.41	
Benzo(k)fluoranthene	0.8	56	1.7	0.2		<u>1.5</u>		0.2		0.27	
Chrysene	1	56	1	0.39		<u>2.8</u>		0.37		0.47	
Dibenzo(a,h)anthracene	0.33	0.56	1000	0.063	J	<u>0.5</u>		0.073	J	0.075	J
Fluoranthene	100	500	1000	0.78		6.7		0.73		1	
Fluorene	30	500	386	0.021	J	0.23		0.025	J	0.024	J
Indeno(1,2,3-cd)pyrene	0.5	5.6	8.2	0.31		<u>3.3</u>		0.27		0.42	
Phenanthrene	100	500	1000	0.33		1.9		0.36		0.48	
Pyrene	100	500	1000	0.63		5.1		0.6		0.86	
Total SVOCs				4.438		33.27	-	4.2	-	5.644	-

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VOCs analyzed by USEPA Method 8260

SVOCs analyzed by USEPA Method 8270

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Table 3
Phase II Environmental Site Assessment
E. Main and Laura Properties, Rochester, NY
Summary of Metals in Soil
LaBella Project # 2182815.01

SAMPLE ID:	LAB ID:	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Commerical Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	NYSDEC CP-51 SSCOs - Protection of Ecological Resources	B-1		B-2		B-3		B-4		B-5		B-6		SB-09	
						L1957157-02	L1957157-01	L1957157-05	L1956543-01	L1957157-03	L1957157-04	L1960052							
COLLECTION DATE:						11/26/2019	11/26/2019	11/26/2019	11/22/2019	11/26/2019	11/26/2019	11/26/2019	12/9/2019						
SAMPLE DEPTH:						2-3 ft bgs	2-3 ft bgs	2-2.5 ft bgs	3-4 ft bgs	2-3 ft bgs	3-4 ft bgs	3-4 ft bgs							
SAMPLE MATRIX:						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL							
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q		
TOTAL METALS																			
Aluminum, Total	NL	NL	NL	10,000	5860			5140		4900		4550		3600		4080		5520	
Antimony, Total	NL	NL	NL	12	1.36	J		0.434	J	0.61	J	<0.325	U	<0.338	U	<0.340	U	1.09	J
Arsenic, Total	13	16	16	NL	5.23			4.2		7.38		4.37		3.55		4.52		9.36	
Barium, Total	350	400	820	NL	32.4			23		46.1		46.4		25.4		34.8		69.9	
Beryllium, Total	7.2	590	47	NL	0.251	J		0.182	J	0.296	J	0.333	J	<0.029	U	0.098	J	0.336	J
Cadmium, Total	2.5	9.3	7.5	NL	0.684	J		0.529	J	0.745	J	<0.084	U	0.463	J	0.689	J	<0.092	U
Calcium, Total	NL	NL	NL	10,000	2120			1220		1400		3580		33800		32500		15800	
Chromium, Total	30	1,500	NL	NL	7.89			6.68		8.21		6.91		5.49		6.97		9.78	
Cobalt, Total	NL	NL	NL	20	5.26			4.22		2.77		4.51		3.67		3.7		4.62	
Copper, Total	50	270	1720	NL	16.5			11.6		14.5		14.4		9.86		15.8		47.9	
Iron, Total	2,000*	NL	NL	NL	14300			12000		14600		10600		10400		11000		12800	
Lead, Total	63	1000	450	NL	12.5			7.27		35.9		16.2		5.93		243		212	
Magnesium, Total	NL	NL	NL	NL	1680			1570		947		2400		11800		8600		7280	
Manganese, Total	1600	10000	2000	NL	811			417		384		380		316		423		347	
Mercury, Total	0.18	2.8	0.73	NL	0.068	J	<0.045	U	0.098		<0.053	U	<0.046	U	0.204		0.149		
Nickel, Total	30	310	130	NL	9.86			7.01		7.54		6.73		5.94		7.31		9.15	
Potassium, Total	NL	NL	NL	NL	479			297		452		314		555		399		465	
Selenium, Total	3.9	1500	4	NL	<0.223	U	<0.224	U	<0.218	U	<0.221	U	<0.230	U	<0.231	U	0.476	J	
Silver, Total	2	1500	8.3	NL	<0.245	U	<0.245	U	<0.240	U	<0.242	U	<0.252	U	<0.253	U	0.43	J	
Sodium, Total	NL	NL	NL	NL	81.3	J		36.4	J	14.6	J	25.4	J	71.5	J	133	J	98.8	J
Thallium, Total	NL	NL	NL	5	<0.273	U	<0.273	U	<0.267	U	<0.269	U	<0.280	U	<0.282	U	<0.294	U	
q	NL	100	NL	39	13.4			11.3		11.2		9.24		10.8		10.8		13.8	
Zinc, Total	109	10000	2480	NL	39.4			29.7		51		28.4		30.7		76.4		130	

NOTES:

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

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

Italic font indicates the compound was not detected above the MDL but the MDL exceeds one or more applicable

SCO

Bold font indicates that the compound was detected at a concentration above its respective MDL

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

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

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

Metals analyzed by USEPA Method 6010/7471

NL indicates Not Listed

J indicates an estimated value

U indicates the concentration was not detected above MDL

*Value for iron obtained from CP-51 SSCOs, Table 1, "Supplemental Soil Cleanup Objectives"

Table 3
Phase II Environmental Site Assessment
E. Main and Laura Properties, Rochester, NY
Summary of Metals in Soil
LaBella Project # 2182815.01

SAMPLE ID:	NYCRR Part 375	NYCRR Part 375	NYCRR Part 375	NYSDEC CP-51	SB-10	SB-11	SB-12	SB-13	SB-14	TP-13	TP-14	
LAB ID:	Unrestricted Use	Commerical Use	Protection of	SSCOs -	L1960052	L1960052	L1960052	L1960052	L1960052	L1960052	L1960052	
COLLECTION DATE:	SCOs	SCOs	Groundwater	Protection of	12/9/2019	12/9/2019	12/9/2019	12/9/2019	12/9/2019	12/12/2019	12/12/2019	
SAMPLE DEPTH:	SCOs	SCOs	SCOs	Ecological	4-5 ft bgs	0-2 ft bgs	2-4 ft bgs	12-13.5 ft bgs	5-7 ft bgs	4-5 ft bgs	3-4 ft bgs	
SAMPLE MATRIX:	SCOs	SCOs	SCOs	Resources	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	Conc	Q	Conc	Q	Conc	Q
TOTAL METALS												
Aluminum, Total	NL	NL	NL	10,000	4130		2090		3940		1250	
Antimony, Total	NL	NL	NL	12	0.464	J	0.91	J	0.336	J	<0.323	U
Arsenic, Total	13	16	16	NL	4.72		10.3		3.72		2.19	
Barium, Total	350	400	820	NL	45.6		63.6		27.8		15.3	
Beryllium, Total	7.2	590	47	NL	0.223	J	0.243	J	0.212	J	0.085	J
Cadmium, Total	2.5	9.3	7.5	NL	<0.087	U	0.451	J	<0.087	U	<0.083	U
Calcium, Total	NL	NL	NL	10,000	30000		48000		13900		76100	
Chromium, Total	30	1,500	NL	NL	6.27		6.67		5.64		3.81	
Cobalt, Total	NL	NL	NL	20	3.46		3.19		3.56		1.82	
Copper, Total	50	270	1720	NL	12.2		31.4		14.5		4.13	
Iron, Total	2,000*	NL	NL	NL	8680		9370		9750		7200	
Lead, Total	63	1000	450	NL	19.5		211		16		15.8	
Magnesium, Total	NL	NL	NL	NL	7010		28000		3540		38000	
Manganese, Total	1600	10000	2000	NL	325		162		357		221	
Mercury, Total	0.18	2.8	0.73	NL	<0.05	U	0.114		<0.049	U	<0.047	U
Nickel, Total	30	310	130	NL	6.54		7.41		6.09		2.66	
Potassium, Total	NL	NL	NL	NL	356		202		342		313	
Selenium, Total	3.9	1500	4	NL	0.339	J	0.559	J	<0.228	U	<0.219	U
Silver, Total	2	1500	8.3	NL	<0.252	U	<0.255	U	<0.251	U	<0.240	U
Sodium, Total	NL	NL	NL	NL	60.6	J	85	J	34.7	J	91.9	J
Thallium, Total	NL	NL	NL	5	<0.281	U	<0.284	U	<0.279	U	<0.268	U
q	NL	100	NL	39	11		9.42		9.96		4.88	
Zinc, Total	109	10000	2480	NL	38.3		153		41.9		28.6	

NOTES:

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

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

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SCO

Bold font indicates that the compound was detected at a concentration above its respective MDL

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Metals analyzed by USEPA Method 6010/7471

NL indicates Not Listed

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*Value for iron obtained from CP-51 SSCOs, Table 1, "Supplemental Soil Cleanup Objectives"

Table 3
Phase II Environmental Site Assessment
E. Main and Laura Properties, Rochester, NY
Summary of Metals in Soil
LaBella Project # 2182815.01

SAMPLE ID: LAB ID:	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Commerical Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	NYSDEC CP-51 SSCOs - Protection of Ecological Resources	TP-15	TP-16	TP-17	TP-18	SS-05	SS-06	SS-07							
					L1960052	L1960052	L1960052	L1960052	L1960052	L1960052	L1960052							
COLLECTION DATE:					12/12/2019	12/12/2019	12/12/2019	12/12/2019	12/12/2019	12/12/2019	12/12/2019							
SAMPLE DEPTH:					2-3 ft bgs	3-4 ft bgs	2-3 ft bgs	3.5 ft bgs	0-0.5 ft bgs	0-0.5 ft bgs	0-0.5 ft bgs							
SAMPLE MATRIX:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL							
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	Conc	Q	Conc	Q	Conc	Q						
TOTAL METALS																		
Aluminum, Total	NL	NL	NL	10,000	5300		6200		6110		3920		4200		4400		3530	
Antimony, Total	NL	NL	NL	12	0.672	J	0.55	J	0.352	J	0.469	J	1.13	J	0.539	J	1.02	J
Arsenic, Total	13	16	16	NL	5.64		5.91		3.51		4.42		8.44		4.78		7.48	
Barium, Total	350	400	820	NL	62.4		51.4		40.4		35		80.4		54		450	
Beryllium, Total	7.2	590	47	NL	0.321	J	0.473	J	0.324	J	0.273	J	0.263	J	0.255	J	0.293	J
Cadmium, Total	2.5	9.3	7.5	NL	<0.095	U	<0.095	U	<0.088	U	<0.084	U	<0.086	U	<0.093	U	0.166	J
Calcium, Total	NL	NL	NL	10,000	12700		5620		1270		51600		34900		24200		29300	
Chromium, Total	30	1,500	NL	NL	7.06		9.36		6.64		6.71		7.58		7.98		8.04	
Cobalt, Total	NL	NL	NL	20	4.6		4.89		3.74		3.5		4.06		3.78		3.46	
Copper, Total	50	270	1720	NL	18.2		15.8		7.01		19.9		50.4		39.8		46.1	
Iron, Total	2,000*	NL	NL	NL	10400		14600		10600		9570		11800		9900		11400	
Lead, Total	63	1000	450	NL	318		12.1		12.8		57.8		158		115		194	
Magnesium, Total	NL	NL	NL	NL	4600		3420		1350		16700		11700		10000		15700	
Manganese, Total	1600	10000	2000	NL	371		509		545		265		446		254		316	
Mercury, Total	0.18	2.8	0.73	NL	0.292		<0.069	U	<0.048	U	0.053	J	0.379		0.35		0.497	
Nickel, Total	30	310	130	NL	7.62		9.17		5.2		6.72		6.84		6.98		6.98	
Potassium, Total	NL	NL	NL	NL	408		671		290		600		453		486		369	
Selenium, Total	3.9	1500	4	NL	0.282	J	<0.249	U	0.315	J	0.264	J	0.843	J	0.473	J	0.596	
Silver, Total	2	1500	8.3	NL	<0.276	U	<0.273	U	<0.255	U	<0.241	U	<0.248	U	<0.268	U	<0.277	U
Sodium, Total	NL	NL	NL	NL	124	J	53.4	J	88.7	J	239		83.3	J	84.8	J	94.4	J
Thallium, Total	NL	NL	NL	5	<0.307	U	<0.304	U	<0.284	U	<0.269	U	<0.276	U	<0.298	U	<0.308	U
q	NL	100	NL	39	11.6		12.6		12.6		9.3		13.6		12.2		11.3	
Zinc, Total	109	10000	2480	NL	95.4		42.4		31.4		53		145		119		169	

NOTES:

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Metals analyzed by USEPA Method 6010/7471

NL indicates Not Listed

J indicates an estimated value

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*Value for iron obtained from CP-51 SSCOs, Table 1, "Supplemental Soil Cleanup Objectives"

Table 3
Phase II Environmental Site Assessment
E. Main and Laura Properties, Rochester, NY
Summary of Metals in Soil
LaBella Project # 2182815.01

SAMPLE ID:	LAB ID:	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Commerical Use SCOs	NYCRR Part 375 Protection of Groundwater SCOs	NYSDEC CP-51 SSCOs - Protection of Ecological Resources	SS-08		SS-09		SS-10		SS-11		SS-12		SS-13		SS-14		
						L1960052	L1960052	L1960052	L1960052	L1960052	L1960052	L1960052	L1960052	L1960052	L1960052					
COLLECTION DATE:	12/12/2019																			
SAMPLE DEPTH:	0-0.5 ft bgs																			
SAMPLE MATRIX:	SOIL																			
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	
TOTAL METALS																				
Aluminum, Total	NL	NL	NL	10,000	3760			3120		1700		4680		3410		5360		4960		
Antimony, Total	NL	NL	NL	12	2	J		1.16	J	0.474	J	1.08	J	0.835	J	0.817	J	<0.338	U	
Arsenic, Total	13	16	16	NL	9.23			6.15		5.5		11.7		10.6		9.16		3.44		
Barium, Total	350	400	820	NL	82.7			45.6		29.7		60.9		117		122		65.5		
Beryllium, Total	7.2	590	47	NL	0.339	J		0.222	J	0.181		0.348	J	0.171	J	0.373	J	0.169	J	
Cadmium, Total	2.5	9.3	7.5	NL	0.638	J		0.166	J	<0.084	U	0.133	J	1.33		1.45		0.685	J	
Calcium, Total	NL	NL	NL	10,000	21000			9560		79100		8930		16300		4410		16400		
Chromium, Total	30	1,500	NL	NL	12.2			8.36		4.19		10.1		10.3		11.5		9.62		
Cobalt, Total	NL	NL	NL	20	3.72			3.43		1.93		4.29		3.47		4.74		4.56		
Copper, Total	50	270	1720	NL	47.3			28.4		17.2		31.5		34		37.7		14.3		
Iron, Total	2,000*	NL	NL	NL	13300			10800		8460		12200		9790		13300		10100		
Lead, Total	63	1000	450	NL	336			141		65.6		145		368		347		138		
Magnesium, Total	NL	NL	NL	NL	9160			5330		43100		4080		3440		1740		4020		
Manganese, Total	1600	10000	2000	NL	312			307		222		315		266		328		285		
Mercury, Total	0.18	2.8	0.73	NL	0.417			0.082		0.061	J	0.212		0.208		0.293		0.141		
Nickel, Total	30	310	130	NL	9.15			13.6		3.68		9.16		12.7		10.4		7.97		
Potassium, Total	NL	NL	NL	NL	664			558		417		815		772		536		366		
Selenium, Total	3.9	1500	4	NL	1.06	J		0.48	J	0.56	J	1.49	J	0.705	J	<0.260	U	<0.230	U	
Silver, Total	2	1500	8.3	NL	0.449	J		<0.261	U	<0.244	U	<0.289	U	0.443	J	0.343	J	<0.252	U	
Sodium, Total	NL	NL	NL	NL	90.4	J		46.6	J	114	J	47.1	J	49.9	J	43.1	J	70.4	J	
Thallium, Total	NL	NL	NL	5	<0.314	U		<0.291	U	<0.271	U	<0.322	U	<0.317	U	<0.318	U	<0.280	U	
q	NL	100	NL	39	13.4			10.1		7		14.2		11.3		16.1		13.7		
Zinc, Total	109	10000	2480	NL	471			139		44.8		179		216		253		74.7		

NOTES:

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SCO

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

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

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

Metals analyzed by USEPA Method 6010/7471

NL indicates Not Listed

J indicates an estimated value

U indicates the concentration was not detected above MDL

*Value for iron obtained from CP-51 SSCOs, Table 1, "Supplemental Soil Cleanup Objectives"

Table 4
Phase II Environmental Site Assessment
E. Main and Laura Properties, Rochester, NY
Summary of VOCs in Groundwater
LaBella Project # 2182815.01

SAMPLE ID:	NYCRR Part 703 Groundwater Quality Standards	BW-02	
LAB ID:		L2001342-01	
COLLECTION DATE:		1/10/2020	
SAMPLE DEPTH:		16 - 24.5 ft bgs	
SAMPLE MATRIX:		WATER	
ANALYTE	(ug/l)	Conc	Q
VOLATILE ORGANICS BY GC/MS			
1,1,1-Trichloroethane	5	<0.7	U
1,1,2,2-Tetrachloroethane	5	<0.17	U
1,1,2-Trichloroethane	1	<0.7	U
1,1-Dichloroethane	5	<0.5	U
1,1-Dichloroethene	5	<0.17	U
1,2,4-Trichlorobenzene	5	<0.7	U
1,2,4-Trimethylbenzene	5	<0.7	U
1,2-Dibromo-3-chloropropane	0.4	<0.7	U
1,2-Dibromoethane	NL	<0.65	U
1,2-Dichlorobenzene	4.7	<0.7	U
1,2-Dichloroethane	5	<0.13	U
1,2-Dichloropropane	1	<0.14	U
1,3,5-Trimethylbenzene	5	<0.7	U
1,3-Dichlorobenzene	5	<0.7	U
1,4-Dichlorobenzene	5	<0.7	U
2-Butanone	50	<1.9	U
2-Hexanone	50*	<1.0	U
4-Methyl-2-pentanone	50	<1.0	U
Acetone	50	2.3	J
Benzene	0.7	<0.16	U
Bromodichloromethane	50*	<0.19	U
Bromoform	50*	<0.65	U
Bromomethane	5	<0.7	U
Carbon disulfide	50	<1.0	U
Carbon tetrachloride	5	<0.13	U
Chlorobenzene	5	<0.7	U
Chloroethane	50	<0.7	U
Chloroform	7	<0.7	U
Chloromethane	NL	<0.7	U
cis-1,2-Dichloroethene	5	<0.7	U
cis-1,3-Dichloropropene	0.4	<0.14	U
Cyclohexane	NL	<0.27	U
Dibromochloromethane	50	<0.15	U
Dichlorodifluoromethane	5	<1.0	U
Ethylbenzene	5	<0.7	U
Freon-113	5	<0.7	U
Isopropylbenzene	5	<0.7	U
Methyl Acetate	NL	<0.23	U
Methyl cyclohexane	NL	<0.4	U
Methyl tert butyl ether	10	<0.7	U
Methylene chloride	5	<0.7	U
n-Butylbenzene	5	<0.7	U
n-Propylbenzene	5	<0.7	U
Naphthalene	10	<0.7	U
o-Xylene	5	<0.7	U
p-Isopropyltoluene	5	<0.7	U
p/m-Xylene	5	<0.7	U
sec-Butylbenzene	5	<0.7	U
Styrene	5	<0.7	U
tert-Butylbenzene	5	<0.7	U
Tetrachloroethene	5	0.25	J
Toluene	5	<0.7	U
trans-1,2-Dichloroethene	5	<0.7	U
trans-1,3-Dichloropropene	0.4	<0.16	U
Trichloroethene	5	<0.18	U
Trichlorofluoromethane		<0.7	U
Vinyl chloride	2	<0.07	U
Total VOCs		2.55	-

NOTES:

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

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

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

Italic font indicates the compound was not detected above the MDL but the MDL exceeds the applicable standard.

Bold font indicates that the compound was detected at a concentration above its respective MDL

* indicates no Part 703 Standard, TOGS 1.1.1 Guidance Value is listed

VOCs analyzed by USEPA Method 8260

NL indicates Not Listed; J indicates an estimated value.

U indicates the concentration was not detected above MDL



APPENDIX 1

Field Logs



TEST PIT LOGS



**300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS**

PROJECT

City of Rochester
East Main and Laura Street Phase II ESA

TEST PIT: TP-13
SHEET 1 OF 1
JOB: 2182815
CHKD BY:
DATE: 12/12/2019

CONTRACTOR: LaBella Env., LLC
OPERATOR: Mike Windrel Jr.
LABELLA REPRESENTATIVE: ED

TEST PIT LOCATION: see map
GROUND SURFACE ELEVATION NA

DATUM: NA
TYPE OF EQUIPMENT: excavator

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0	sample 4-5 ft; VOC at 5 ft		at 0-0.5 ft: dark brown-black topsoil, some cinder, moist, urban fill	0-8 ft: 0	
1		0.5	at 0.5 ft: light brown SILT, some vf Sand, some cmf Gravel, little cobbles, moist, fill		
2					
3		3	at 3 ft: medium brown SILT, some cmf Gravel, some f Sand, little cobbles & boulders, moist, fill		
4		5	at 5 ft: light brown vf SAND and Silt, some cmf Gravel, little cobbles		
5		5	@ and boulders, moist		
6					
7					
8					
9			Total Depth = ~8 ft (max reach of excavator)		
10					
11					
12					
13					
14					
15					

WATER LEVEL DATA			DEPTH (FT)		Notes: no evidence of impairment
DATE	TIME	ELAPSED TIME	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
			8 ft bgs	no	

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

TEST PIT: TP-13



**300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS**

PROJECT

City of Rochester
East Main and Laura Street Phase II ESA

TEST PIT: TP-14
SHEET 1 OF 1
JOB: 2182815
CHKD BY:
DATE: 12/12/2019

CONTRACTOR: LaBella Env., LLC
OPERATOR: Mike Windrel Jr.
LABELLA REPRESENTATIVE: ED

TEST PIT LOCATION: see map
GROUND SURFACE ELEVATION NA

DATUM: NA
TYPE OF EQUIPMENT: excavator

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0	0-1' sample		at 0 ft: asphalt over black SILT and coal fragments/cinders (loose), some cmf Gravel, dry, urban fill	0-8 ft: 0	
1	3' sample	0.8	at 0.8 ft: light brown SILT and vf Sand, some cmf Gravel, little cobbles and boulders (SA to SR), moist, fill		
2					
3					
4					
5					
6	7' sample	5.5	at 5.5 ft: light brown vf SAND and Silt, some cmf Gravel, little cobbles & boulders (SA to SR), moist		
7					
8					
9			Total Depth = ~8 ft (max reach of excavator)		
10					
11					
12					
13					
14					
15					

WATER LEVEL DATA			DEPTH (FT)		Notes: no evidence of impairment
DATE	TIME	ELAPSED TIME	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
			8 ft bgs	no	

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

TEST PIT: TP-14



**300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS**

PROJECT

City of Rochester
East Main and Laura Street Phase II ESA

TEST PIT: TP-15
SHEET 1 OF 1
JOB: 2182815
CHKD BY:
DATE: 12/12/2019

CONTRACTOR: LaBella Env., LLC
OPERATOR: Mike Windrel Jr.
LABELLA REPRESENTATIVE: ED

TEST PIT LOCATION: see map
GROUND SURFACE ELEVATION NA

DATUM: NA
TYPE OF EQUIPMENT: excavator

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0	0-1' sample		at 0-1 ft: dark brown-black topsoil, some cinder/coal fragments, little vf Sand, moist, fill	0-8 ft: 0	
1	2-3' sample	1	at 1 ft: light brown SILT, some vf Sand, some cmf Gravel, moist, fill		
2			at 2 ft: as above with trace brick, trace ash, trace glass (urban fill)		
3					
4					
5	VOC at 5' sample 5-6'	4.5	at 4.5 ft: light tan SILT, little vf Sand, little cmf Gravel, dry, hard, native		
6					
7					
8					
9			Total Depth = ~8 ft (max reach of excavator)		
10					
11					
12					
13					
14					
15					

WATER LEVEL DATA			DEPTH (FT)		Notes: no evidence of impairment
DATE	TIME	ELAPSED TIME	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
			8 ft bgs	no	

GENERAL NOTES

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

BGS = Below Ground Surface
NA = Not Applicable

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some = 20 - 35%
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SA = Subangular

TEST PIT: TP-15



**300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS**

PROJECT

City of Rochester
East Main and Laura Street Phase II ESA

TEST PIT: TP-16
SHEET 1 OF 1
JOB: 2182815
CHKD BY:
DATE: 12/12/2019

CONTRACTOR: LaBella Env., LLC
OPERATOR: Mike Windrel Jr.
LABELLA REPRESENTATIVE: ED

TEST PIT LOCATION: see map
GROUND SURFACE ELEVATION NA

DATUM: NA
TYPE OF EQUIPMENT: excavator

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			at 0-0.25': asphalt/gravel base		
1		0.3	at 0.3': black SILT, some cinder, little f Sand, moist, fill		
2		0.75	at 0.75': light brown SILT, some vf Sand, some cmf Gravel, moist, fill		
3	sample 3-4'		at 3': as above with little cobbles/boulders (SA to SR)	0-8.5 ft: 0	
4					
5	VOC at 5.5'		at 5': light tan to grey SILT, little vf Sand, trace Gravel, hard, dry,		
6	sample 5-6'	5	native, Fe mottling		
7					
8					
9			Total Depth = ~8.5 ft (max reach of excavator)		
10					
11					
12					
13					
14					
15					

WATER LEVEL DATA			DEPTH (FT)		Notes: no evidence of impairment
DATE	TIME	ELAPSED TIME	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
			8.5 ft bgs	no	

GENERAL NOTES

- STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 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

TEST PIT: TP-16



**300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS**

PROJECT

City of Rochester
East Main and Laura Street Phase II ESA

TEST PIT: TP-17
SHEET 1 OF 1
JOB: 2182815
CHKD BY:
DATE: 12/12/2019

CONTRACTOR: LaBella Env., LLC
OPERATOR: Mike Windrel Jr.
LABELLA REPRESENTATIVE: ED

TEST PIT LOCATION: see map
GROUND SURFACE ELEVATION NA

DATUM: NA
TYPE OF EQUIPMENT: excavator

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			at 0-1 ft: black to brown SILT topsoil, some cinder/coal, moist, fill		
1			at 1 ft: light brown SILT, some vf Sand, some cmf Gravel, moist, fill		
2	sample 2-3' VOC at 2.5'	1	at 2 ft: as above with trace brick (urban fill)		
3					
4		3.5	at 3.5 ft: light brown SILT and vf/f Sand, some cmf Gravel, some cobbles/boulders, moist, fill	0-8 ft: 0	
5					
6					
7	sample 7-8' VOC at 7'				
8					
9					
10			Total Depth = ~8 ft (max reach of excavator)		
11					
12					
13					
14					
15					

WATER LEVEL DATA			DEPTH (FT)		Notes: no evidence of impairment
DATE	TIME	ELAPSED TIME	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
			8 ft bgs	no	

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%
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SA = Subangular

TEST PIT: TP-17



**300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS**

PROJECT

City of Rochester
East Main and Laura Street Phase II ESA

TEST PIT: TP-18
SHEET 1 OF 1
JOB: 2182815
CHKD BY:
DATE: 12/12/2019

CONTRACTOR: LaBella Env., LLC
OPERATOR: Mike Windrel Jr.
LABELLA REPRESENTATIVE: ED

TEST PIT LOCATION: see map
GROUND SURFACE ELEVATION NA

DATUM: NA
TYPE OF EQUIPMENT: excavator

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0	sample 3.5'		at 0 ft: brown SILT and f Sand, some cmf Gravel, some C&D debris (brick, wire, asphalt, rock, concrete, glass), moist, urban fill	0-8 ft: 0	
1					
2			at 2.5 ft: grey black SILT, some ash, urban fill		
3		2.5			
4	sample 6'		at 4 ft: brown to black SILT, some f Sand, some C&D debris (brick, wire, asphalt, rock, concrete, glass), moist, urban fill		
5		4	at 5 ft: as above (C&D fill) with slab rock/boulders		
6					
7					
8					
9			Total Depth = ~8 ft (max reach of excavator)		
10					
11					
12					
13					
14					
15					

WATER LEVEL DATA			DEPTH (FT)		Notes: no evidence of impairment other than C&D materials
DATE	TIME	ELAPSED TIME	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
			8 ft bgs	no	

GENERAL NOTES

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

BGS = Below Ground Surface
NA = Not Applicable

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some = 20 - 35%
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VF = Very Fine
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SR = Subrounded
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TEST PIT: TP-18



BORING LOGS





300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

E. Main and Laura Streets Phase II

BORING: GT-19-1 (B-1)
SHEET: 1 of 1
JOB: 2182815.01
CHKD BY:
DATE: 11/26/2019

CONTRACTOR: Nothnagle LaBella Env. LLC BORING LOCATION: GT-19-1 (B-1) TIME: 10:10 TO 11:25
DRILLER: GROUND SURFACE ELEVATION: NA DATUM: NA
LABELLA REPRESENTATIVE: J. Pristach START DATE: 11/26/19 END DATE: 11/26/19 WEATHER: 47° F, Sunny

TYPE OF DRILL RIG: Geoprobe 7822DT DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push OTHER:

DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)			
0					0 ppm	
1	12"			Fine sand/clay with some non-native gravel (fill); no cinder/ash	0 ppm	
2			2'-0"		0 ppm	
3	12"			Loose fine sand / gravel (fill); some cinders at 2'- 3' BGS	0 ppm	
4					0 ppm	
5	5"				0 ppm	
6			5'-6"		0 ppm	
7	16"				0 ppm	
8				Fine, packed sand with gravel	0 ppm	
9	18"				0 ppm	
10					0 ppm	
11	18"				0 ppm	
12				Boring Terminated at 12' BGS	0 ppm	
13						
14						
15						
16						
17						
18						
19						
20						

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

GENERAL NOTES

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

BGS = Below Ground Surface 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

BORING: GT-19-1 (B-1)



300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

E. Main and Laura Streets Phase II

BORING: GT-19-2 (B-2)
SHEET: 1 of 1
JOB: 2182815.01
CHKD BY:
DATE: 11/26/2019

CONTRACTOR: Nothnagle LaBella Env. LLC BORING LOCATION: GT-19-2 (B-2) TIME: 08:30 TO 09:50
DRILLER: GROUND SURFACE ELEVATION: NA DATUM: NA
LABELLA REPRESENTATIVE: J. Pristach START DATE: 11/26/19 END DATE: 11/26/19 WEATHER: 45°F, Sunny

TYPE OF DRILL RIG: Geoprobe 7822DT DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push OTHER:

DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)			
0					0 ppm	
1	4"			Silty clay at surface with topsoil	0 ppm	
2			2'-0"		0 ppm	
3	12"			Fill clay/fine sand	0 ppm	
4					0 ppm	
5	12"		4'-6"	Fine sand/silt fill, some gravel	0 ppm	No cinders, ash
6					0 ppm	
7	18"		6'-0"		0 ppm	
8					0 ppm	
9	18"			Fine sand, packed, some gravel	0 ppm	
10					0 ppm	
11	18"				0 ppm	
12				End boring (12' BGS, boring terminated)	0 ppm	
13						
14						
15						
16						
17						
18						
19						
20						

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

GENERAL NOTES

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

BGS = Below Ground Surface 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

BORING: GT-19-2 (B-2)



300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

E. Main and Laura Streets Phase II

BORING: GT-19-3 (B-3)
SHEET 1 of 1
JOB: 2182815.01
CHKD BY:
DATE: 11/26/2019

CONTRACTOR: Nothnagle LaBella Env. LLC BORING LOCATION: GT-19-3 (B-3) TIME: 14:20 TO 15:25
DRILLER: GROUND SURFACE ELEVATION NA DATUM: NA
LABELLA REPRESENTATIVE: J. Pristach START DATE: 11/26/19 END DATE: 11/26/19 WEATHER: 55°F, Sunny

TYPE OF DRILL RIG: Geoprobe 7822DT DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push OTHER:

DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)			
0	4"			Coarse, dark brown sand (fill)	0 ppm	
1			1'-0"	Fine, dark brown sand and gravel (fill)	0 ppm	No ash, cinders
2	20"		2'-0"	Fine, packed sand with little gravel (fill)	0 ppm	No ash, cinders
3			2'-8"	Gravel (fill)	0 ppm	No ash, cinders
			3'-6"	Fine, packed sand with little gravel (native)		
4	18"		4'-0"		0 ppm	
5					0 ppm	
6	16"			Fine, packed sand with little gravel, some stone	0 ppm	
7					0 ppm	
8	16"		8'-0"		0 ppm	
9				Coarse gravel with fine, packed sand, some stone	0 ppm	
10				End boring (9'-8" BGS, auger refusal)	0 ppm	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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

GENERAL NOTES

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

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 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

BORING: GT-19-3 (B-3)



300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

E. Main and Laura Streets Phase II

BORING: GT-19-4 (B-4)
SHEET 1 of 1
JOB: 2182815.01
CHKD BY:
DATE: 11/22/2019

CONTRACTOR: Nothnagle LaBella Env. LLC BORING LOCATION: GT-19-4 (B-4) TIME: 08:55 TO 10:30
DRILLER: GROUND SURFACE ELEVATION NA DATUM: NA
LABELLA REPRESENTATIVE: J. Pristach START DATE: 11/22/19 11/22/2019 WEATHER:

TYPE OF DRILL RIG: Geoprobe 7822DT DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push OTHER:

DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)			
0				Topsoil	0 ppm	
1	5"				0 ppm	
2			1'-6"		0 ppm	
3	19"			Dense clay/packed sand (fill)	0 ppm	
4			4'-0"	Angular stone (fill)	0 ppm	
5	10.5"		4'-6"	Clay/packed sand (fill)	0 ppm	
6			5'-6"	Stone, black organics (native)	0 ppm	
7	18"		6'-0"	Dense, packed sand	0 ppm	
8			7'-6"		0 ppm	
9	18"			Glacial till (gravel, some sand, little clay)	0 ppm	
10			10'-6"		0 ppm	
11	18"		11'-6"	Dense clay	0 ppm	
12			13'-0"	Stone/gravel	0 ppm	
13	13"				0 ppm	
14	6"			Weathered bedrock	0 ppm	
15				End boring (15'-6" BGS, auger refusal at bedrock)	0 ppm	
16						
17						
18						
19						
20						

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

GENERAL NOTES

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

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 little = 10 - 20% F = Fine SR = Subrounded
 trace = 1 - 10% VF = Very Fine SA = Subangular

BORING: GT-19-4 (B-4)



300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

E. Main and Laura Streets Phase II

BORING: GT-19-5 (B-5)
SHEET 1 of 1
JOB: 2182815.01
CHKD BY:
DATE: 11/26/2019

CONTRACTOR: Nothnagle LaBella Env. LLC BORING LOCATION: GT-19-5 (B-5) TIME: 11:40 TO 12:50
DRILLER: GROUND SURFACE ELEVATION NA DATUM: NA
LABELLA REPRESENTATIVE: J. Pristach START DATE: 11/26/19 END DATE: 11/26/19 WEATHER:

TYPE OF DRILL RIG: Geoprobe 7822DT DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push OTHER:

DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)			
0				Asphalt/gravel bedding	0 ppm	
1	6"		6"	Fine packed sand (fill)	0 ppm	No ash or cinder
2					0 ppm	
3	18"				0 ppm	
4			3'-6"	Fine, packed sand with gravel (native)	0 ppm	
5	18"				0 ppm	
6					0 ppm	
7	16"				0 ppm	
8					0 ppm	
9	16"				0 ppm	
10				End boring (10'-6" BGS, auger refusal)	0 ppm	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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

GENERAL NOTES

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

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

BORING: GT-19-5 (B-5)



300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

E. Main and Laura Streets Phase II

BORING: GT-19-6 (B-6)
SHEET 1 of 1
JOB: 2182815.01
CHKD BY:
DATE: 11/26/2019

CONTRACTOR: Nothnagle LaBella Env. LLC BORING LOCATION: GT-19-6 (B-6) TIME: 13:05 TO 14:10
DRILLER: GROUND SURFACE ELEVATION NA DATUM: NA
LABELLA REPRESENTATIVE: J. Pristach START DATE: 11/26/19 END DATE: 11/26/19 WEATHER:

TYPE OF DRILL RIG: Geoprobe 7822DT DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push OTHER:

DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)			
0				Fine sand with some clay, cinders (fill)	0 ppm	
1	12"		1'-0"	Fine, packed sand with cinders (fill)	0 ppm	
2					0 ppm	
3	8"		2'-6" 3'-0"	Concrete (fill)	0 ppm	
4				Packed sand with cinders, some gravel (fill)	0 ppm	
5	6"		4'-0" 4'-6"	Concrete/gravel (fill)	0 ppm	
6				Fine, packed sand with little gravel (native)	0 ppm	
7	18"		7'-0"	Stone/gravel; fine, packed sand with gravel	0.3 ppm	Stone/gravel layer had PID hit
8			8'-0"		0 ppm	
9	12"			Fine, packed sand with fine and medium gravel	0 ppm	
10			10'-0"		0 ppm	
11	12"			Course, packed sand with well-graded, angular gravel	0 ppm	
12				End boring (12' BGS, terminated boring)	0 ppm	
13						
14						
15						
16						
17						
18						
19						
20						

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

GENERAL NOTES

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

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 little = 10 - 20% F = Fine SR = Subrounded
 trace = 1 - 10% VF = Very Fine SA = Subangular

BORING: GT-19-6 (B-6)



300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

City of Rochester
E. Main and Laura Street Phase II ESA

BORING: SB - 09
SHEET: 1 of 1
JOB: 2182815.01
CHKD BY: J. Pristach
DATE: 12/9/2019

CONTRACTOR: LaBella Env. LLC	BORING LOCATION: see map	TIME: ___ TO ___
DRILLER: Andy Bement	GROUND SURFACE ELEVATION: NA	DATUM: NA
LABELLA REPRESENTATIVE: ED	START DATE: 12/9/19	END DATE: 12/9/19
		WEATHER: partly sunny, 20s

TYPE OF DRILL RIG: Geoprobe 6610DT	DRIVE SAMPLER TYPE: 5' Macrocore
AUGER SIZE AND TYPE: NA	INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push	OTHER:

DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)			
0				at 0': brown to dark brown SILT, little vf Sand, little mf Gravel, moist, fill	0-5': 0	
1	32"	3-4' metals/svoc 3.5' vocs			5'-10': 0	
2						
3						
4						
5	44"		4	at 3.5': 1" ash layer (urban fill)	10-14.2': 0	
6						
7						
8						
9	31"		7.3	at 4': light brown SILT, some vf Sand, little SA to SR mf Gravel, soft, moist (possibly native)		
10						
11						
12						
13			13	at 5' light brown SILT, little f gravl, trace vf Sand, firm, moist, native		
14				at 7': pushed through 4" of rock (broken cobble/boulder)		
15				at 7.3': light brown vf SAND, some Silt, little mf SA to SR Gravel, medium dense, moist, native		
16				at 13': Pushed through 1' of broken rock (cobble/boulder)		
17				at 14.1' weathered bedrock in cutting shoe		
18						
19						
20						
				Total Depth = 14.2 ft (drilling refusal)		

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	14.2	no	

GENERAL NOTES

- STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 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

BORING: SB - 09



300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

City of Rochester
E. Main and Laura Street Phase II ESA

BORING: SB - 10
SHEET: 1 of 1
JOB: 2182815.01
CHKD BY: J. Pristach
DATE: 12/9/2019

CONTRACTOR: LaBella Env. LLC	BORING LOCATION: see map	TIME: ___ TO ___
DRILLER: Andy Bement	GROUND SURFACE ELEVATION: NA	DATUM: NA
LABELLA REPRESENTATIVE: ED	START DATE: 12/9/19	END DATE: 12/9/19
		WEATHER: partly sunny, 20's

TYPE OF DRILL RIG: Geoprobe 6610DT	DRIVE SAMPLER TYPE: 5' Macrocore
AUGER SIZE AND TYPE: NA	INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push	OTHER:

DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)			
0	38"	4.2' voc		at 0-1': dark brown SILT, little mf Gravel, trace vf Sand, soft, moist, fill	0-5': 0	
1				at 1': light brown SILT, some vf Sand, little mf Gravel (SA to SR), soft, moist, fill		
2			1			
3				at ~4' thin ash layer (1/10", urban fill)		
4	43"	13.5' voc		at 5.5': light brown SILT, some Clay, trace vf Sand, trace mf Gravel (SR), native	5-10': 0	
5						
6			5.5			
7				at ~8.5': pushed through 11' of thinly bedded/fractured rock (boulder)		
8				at 9.3': light brown vf SAND and Silt, little f Gravel, moist		
9	36"	13.5' voc	8.5		11': 0	
10			9.3			
11				at 13' pushed through cobble		
12					12': 0	
13					13': 0	
14					13.5': 0.3	
15					14': 0	
16					14.8': 0	
17				Total Depth = 14.8 ft (drilling refusal)		
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	14.8	no	

GENERAL NOTES

- STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 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

BORING: SB - 10



300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

City of Rochester
E. Main and Laura Street Phase II ESA

BORING: SB - 11
SHEET: 1 of 1
JOB: 2182815.01
CHKD BY: J. Pristach
DATE: 12/9/2019

CONTRACTOR: LaBella Env. LLC	BORING LOCATION: see map	TIME: ___ TO ___
DRILLER: Andy Bement	GROUND SURFACE ELEVATION: NA	DATUM: NA
LABELLA REPRESENTATIVE: ED	START DATE: 12/9/19	END DATE: 12/9/19
		WEATHER: partly sunny, 30

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

DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)			
0		0-2' 2" voc		at 0': black cinders/coal, some Silt, loose, some f Gravel, trace slag, moist, urban fill	0-5': 0	very little resistance 0-5'
1						
2			2	at 2': light brown SILT, some Clay, trace vf Sand and f Gravel, soft, moist, fill		
3	30"					
4				at 4-5': wet (from nearby house gutters?)		
5					5-7.4': 0	
6	13"					
7			7	at 7': light brown vf SAND, some Silt, little mf Gravel, moist		
8						
9				Total Depth = 7.4 ft (drilling refusal; weathered rock in cutting shoe)		
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	
			NA	7.4	no	

GENERAL NOTES

- STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 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

BORING: SB - 11



300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

City of Rochester
E. Main and Laura Street Phase II ESA

BORING: SB - 12
SHEET: 1 of 1
JOB: 2182815.01
CHKD BY: J. Pristach
DATE: 12/9/2019

CONTRACTOR: LaBella Env. LLC	BORING LOCATION: see map	TIME: ___ TO ___
DRILLER: Andy Bement	GROUND SURFACE ELEVATION: NA	DATUM: NA
LABELLA REPRESENTATIVE: ED	START DATE: 12/9/19	END DATE: 12/9/19
		WEATHER: partly sunny, 30

TYPE OF DRILL RIG: Geoprobe 6610DT	DRIVE SAMPLER TYPE: 5' Macrocore
AUGER SIZE AND TYPE: NA	INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push	OTHER:

DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)			
0	17"			at 0-0.3': asphalt	0-5': 0	
1				at 0.3': mf GRAVEL		
2			0.5	at 0.5' light brown SILT, some vf Sand, little mf Gravel (SA to SR) moist, fill		
3						
4	42"			at 4': light brown vf SAND and Silt, little cmf Gravel (SR to SA), moist, native (?)	5-10': 0	
5			4			
6						
7						
8						
9	22"			at ~9': pushed through likely cobble (3" thick, broken fragments)	10': 0	
10				at 9.25': light brown SILT and vf Sand, little cmf Gravel, moist, native(?)		
11				at 11': pushed through weathered rock (0.5') then as above		
12					11': 0.8	
13					12': 0	
14					13': 0.8	
15					13.4': 1.1	
16				Total Depth = 13.6' (drilling refusal)		
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES: no evidence of impairment other than low level PID readings from 11-13.4 ft
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	13.6	no	

GENERAL NOTES

- STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 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



300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

City of Rochester
E. Main and Laura Street Phase II ESA

BORING: SB - 13
SHEET: 1 of 1
JOB: 2182815.01
CHKD BY: J. Pristach
DATE: 12/9/2019

CONTRACTOR: LaBella Env. LLC BORING LOCATION: see map TIME: ___ TO ___
DRILLER: Andy Bement GROUND SURFACE ELEVATION: NA DATUM: NA
LABELLA REPRESENTATIVE: ED START DATE: 12/9/19 END DATE: 12/9/19 WEATHER: partly sunny, 30s

TYPE OF DRILL RIG: Geoprobe 6610DT DRIVE SAMPLER TYPE: 5' Macrocore
AUGER SIZE AND TYPE: NA INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push OTHER:

DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)			
0	34"			at 0-0.5': dark brown-grey topsoil (primarily SILT)	0-0.5': 0	
1			0.5	at 0.5': brown SILT, little cmf Gravel (SA to SR), trace vf Sand, soft, wet, fill		
2						
3						
4	32"			at 4': as above but hard	5-10': 0	
5			4.3	at 4.3': brown vf SAND and Silt, little cmf Gravel, medium dense, moist, native(?)		
6	26"				11': 0	
7						
8						
9	26"				~12': 0.8	
10						
11						
12	26"	VOC at 13'		at 12.5': grey-brown SILT, little vf Sand, little mf Gravel, firm, moist, native	13': 2.4	
13			12.5			
14				Total Depth = 13.6 ft (drilling refusal)		
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES: No evidence of impairment other than low level PID readings from 12-13.6 ft
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	13.6	no	

GENERAL NOTES

- STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 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



300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

City of Rochester
E. Main and Laura Street Phase II ESA

BORING: SB - 14
SHEET: 1 of 1
JOB: 2182815.01
CHKD BY: J. Pristach
DATE: 12/9/2019

CONTRACTOR: LaBella Env. LLC	BORING LOCATION:	TIME: ___ TO ___
DRILLER: Andy Bement	GROUND SURFACE ELEVATION: NA	DATUM: NA
LABELLA REPRESENTATIVE: ED	START DATE: 12/9/19	END DATE: 12/9/19
		WEATHER: partly sunny, 30s

TYPE OF DRILL RIG: Geoprobe 6610DT	DRIVE SAMPLER TYPE: 5' Macrocore
AUGER SIZE AND TYPE: NA	INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push	OTHER:

DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)			
0	34"	0.5-1.5' SVOCs, metals		0-0.5': asphalt/gravel base	0-5': 0	
1			0.5	at 0.5': brown SILT, little f Gravel, trace vf Sand, fill		
2				at 1': as above with 2-3" ash, slag layer (urban fill)		
3				at 1.25': brown SILT, some vf Sand, some cmf Gravel (SA to SR), soft, moist, fill		
4						
5	32"	VOC at 6'		at 5': brown vf SAND and cmf Gravel, little Silt, pushed through 8" of broken cobbles	6': 0.5	
6			5	(approx 3" diam each) moist, native (?)		
7						
8					7-10': 0	
9				at 9': light brown vf SAND and Silt, little cmf Gravel (SA to SR), medium dense, moist,		
10			9	native		
11	13"				10-11.5': 0	
12						
13				Total Depth = 11.5 ft (drilling refusal)		
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES: No evidence of impairment
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	11.5	no	

GENERAL NOTES

- STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 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



BEDROCK WELL LOGS



300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

PROJECT NAME: Phase II Environmental Site Assessment
LOCATION: East Main and Laura Streets, Rochester, NY

MONITORING WELL

BW-02

SHEET

1 OF 2

JOB #

2182815

CHKD. BY:

CONTRACTOR: LaBella Associates

BORING LOCATION

DRILLER: Neil

GROUND SURFACE ELEVATION

DATUM

LABELLA REPRESENTATIVE: JP/ED

START DATE: 12/9/19

END DATE: 12/10/19

TYPE OF DRILL RIG: CME 55

AUGER SIZE AND TYPE: 4.25-inch HAS

OVERBURDEN SAMPLING METHOD: 2" Split spoon

ROCK DRILLING METHOD: NX Core Barrel, rotary drilling

WATER LEVEL DATA

DATE	TIME	WATER	REMARKS

DEPTH	BLOW COUNT / 6"	SAMPLE INTERVAL (FT)	CORE RECOVERY	RQD (%)	VISUAL OBSERVATIONS	WELL INSTALLATION INFORMATION		PID (ppm)	NOTES	
1	NA	0'-2'	14"	NA	Fine sand with some clay (fill)			0-12.8 ft: 0.0 ppm		
2	↓			↓	Fine, packed sand with cinders (fill)					
3		2'-4'	10"		Fine, packed sand with cinders, some gravel (fill)					
4										
5		4'-6'	6"		Fine, packed sand with little gravel (native)					
6										
7		6'-8'	18"		Stone/gravel; fine, packed sand with gravel					
8										
9		8'-10'	12"		Fine, packed sand with fine and medium gravel					
10										
11		10'-12'	12"		Course, packed sand with well-graded, angular gravel					
12										
13		12	12"		Top of bedrock surface					
14				NA	12.8					bedrock/overburden interface at +/- 12.8 ft bgs
15	Run 1	114"	14.5-24.5=71%		Run 1 : 14.5 ft to 24.5 ft bgs: dolomite; medium light grey to medium grey; hard; slightly weathering; laminated to parting bedding; very close to close fracturing; porous to pitted voids					Auger to 14.5 ft bgs (rock socket)
16					at 16 ft: moderate weathering of discontinuities (iron/mineral staining) then as above					Run1 (14.5-24.5'); 0 ppm

NOTES: Well construction detail presented in separate figure.
Screen interval (10-slot) = 24.5-14.5 ft bgs; sandpack: 24.5-13.5 ft bgs; bentonite seal: 14.5-12 ft bgs; grout: 12-1 ft bgs
No evidence of impairment observed during boring/well installation

GENERAL NOTES:

N LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER DURING DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

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



300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

PROJECT NAME: Phase II Environmental Site Assessment
LOCATION: 1238/1240 East Main Street, Rochester, NY

MONITORING WELL

BW-02

SHEET

2 OF 2

JOB #

2182815

CHKD. BY:

CONTRACTOR: LaBella Associates

BORING LOCATION: see map

DRILLER: Neil

GROUND SURFACE ELEVATION

DATUM

LABELLA REPRESENTATIVE: JP/ED

START DATE: 12/9/19

END DATE: 12/10/19

TYPE OF DRILL RIG: CME 55 ATV

AUGER SIZE AND TYPE: 4.25-inch HAS

OVERBURDEN SAMPLING METHOD: 2" Split spoon

ROCK DRILLING METHOD: NX Core Barrel, rotary drilling

WATER LEVEL DATA

DATE	TIME	WATER	REMARKS
1/10/2020		16.09'	bloc

DEPTH	BLOW COUNT / 6'	SAMPLE INTERVAL (FT)	CORE RECOVERY	RQD (%)	VISUAL OBSERVATIONS	WELL INSTALLATION INFORMATION	PID (ppm)	NOTES
17	↓	↓			discontinuities at 16 and 16.1 ft bgs: vug void at 16.1 ft at ~17 ft: moderate weathering of discontinuity (iron/mineral staining) then slighty			
18					at 17.25 ft: vug void then porous to pitted at 18.2 ft: 2 vug voids then porous to pitted at 18.25 ft: moderate weathering of discontinuity (iron/mineral staining) then slighty			
19								
20								
21							16-24.5 ft = 0 ppm	
22								
23					at 22.75 ft: moderate weathering of discontinuity then slighty			
24								
25				24.5				
26					Total corehole depth = 24.5 ft bgs			
27								
28								
29								
30								
31								
32								

NOTES: No evidence of impairment observed in core; see pg.1 for well construction details

GENERAL NOTES:

N LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED. FLUCTUATIONS OF GROUNDWATER
DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

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



Daily Log

222 E Main + Leom

Date: 11/10/2020
 JOB #: 2182815.01
 TIME ON-SITE: 0900
 TIME OFF-SITE: 1130

LABELLA REPRESENTATIVE: A. daSilva CONTRACTOR: Rochester city WEATHER: overcast / Rain

AIR MONITORING:

LOCATION	PID SERIAL #	DUST TRAK SERIAL #
UPWIND		
DOWNWIND		

Time	SUMMARY OF WORK PERFORMED																												
0830	Wagmans for DI Water & ICF																												
0900	on site. Collected GPS Pt of TOC & Top of curb box for BW-02 via Golderw.																												
0925	Purge: measure from TOC.																												
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Depth to H₂O</td> <td style="width: 30%;">Depth to Bottom</td> <td style="width: 20%;">2" casing</td> <td style="width: 20%;">Calc. purge need</td> </tr> <tr> <td>16.09 ft BWC</td> <td>23.95</td> <td></td> <td>= 3.84 = target</td> </tr> <tr> <td colspan="3" style="text-align: center;"> </td> <td>Purged = 4gal</td> </tr> <tr> <td></td> <td>7.86 ft</td> <td></td> <td></td> </tr> <tr> <td></td> <td>$\times 12 = 94.32"$</td> <td></td> <td></td> </tr> <tr> <td></td> <td>$\Rightarrow 296.32 \text{ in}^3 = 1.28 \text{ gall}$</td> <td></td> <td></td> </tr> <tr> <td></td> <td>$\times 3 = 3.84 \text{ gal}$</td> <td></td> <td></td> </tr> </table>	Depth to H ₂ O	Depth to Bottom	2" casing	Calc. purge need	16.09 ft BWC	23.95		= 3.84 = target				Purged = 4gal		7.86 ft				$\times 12 = 94.32"$				$\Rightarrow 296.32 \text{ in}^3 = 1.28 \text{ gall}$				$\times 3 = 3.84 \text{ gal}$		
Depth to H ₂ O	Depth to Bottom	2" casing	Calc. purge need																										
16.09 ft BWC	23.95		= 3.84 = target																										
			Purged = 4gal																										
	7.86 ft																												
	$\times 12 = 94.32"$																												
	$\Rightarrow 296.32 \text{ in}^3 = 1.28 \text{ gall}$																												
	$\times 3 = 3.84 \text{ gal}$																												
	* Let well sit for 30 min as I preped for low flow																												
	Sample BW-02-011020 collected for VOCs (TCL+CP51) and submitted via Alpha Pick up @ 1400-1430																												
1130	A. daSilva leaves site for LaBella office after decontaminating equipment via Distilled H ₂ O + Alconid.																												
1145	A. daSilva @ office.																												



APPENDIX 3

Laboratory Reports



ANALYTICAL REPORT

Lab Number:	L1956543
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Dan Noll
Phone:	(585) 454-6110
Project Name:	E. MAIN & LAURA PH. II
Project Number:	Not Specified
Report Date:	12/05/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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

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



Project Name: E. MAIN & LAURA PH. II
Project Number: Not Specified

Lab Number: L1956543
Report Date: 12/05/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1956543-01	B-4	SOIL	ROCHESTER, NY	11/22/19 09:30	11/22/19

Project Name: E. MAIN & LAURA PH. II
Project Number: Not Specified

Lab Number: L1956543
Report Date: 12/05/19

Case Narrative

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

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

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

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

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

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

Project Name: E. MAIN & LAURA PH. II
Project Number: Not Specified

Lab Number: L1956543
Report Date: 12/05/19

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.

Total Metals

L1956543-01: The sample has elevated detection limits for all elements, with the exception of mercury, 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 Sturgis

Title: Technical Director/Representative

Date: 12/05/19

ORGANICS

VOLATILES

Project Name: E. MAIN & LAURA PH. II
Project Number: Not Specified

Lab Number: L1956543
Report Date: 12/05/19

SAMPLE RESULTS

Lab ID: L1956543-01
 Client ID: B-4
 Sample Location: ROCHESTER, NY

Date Collected: 11/22/19 09:30
 Date Received: 11/22/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/02/19 13:16
 Analyst: NLK
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.12	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.92	0.50	1
Ethylbenzene	ND		ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1

Project Name: E. MAIN & LAURA PH. II
Project Number: Not Specified

Lab Number: L1956543
Report Date: 12/05/19

SAMPLE RESULTS

Lab ID: L1956543-01
 Client ID: B-4
 Sample Location: ROCHESTER, NY

Date Collected: 11/22/19 09:30
 Date Received: 11/22/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	ND		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
n-Butylbenzene	ND		ug/kg	0.92	0.15	1
sec-Butylbenzene	ND		ug/kg	0.92	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Isopropylbenzene	ND		ug/kg	0.92	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
n-Propylbenzene	ND		ug/kg	0.92	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
Methyl Acetate	ND		ug/kg	3.7	0.88	1
Cyclohexane	ND		ug/kg	9.2	0.50	1
Freon-113	ND		ug/kg	3.7	0.64	1
Methyl cyclohexane	ND		ug/kg	3.7	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: E. MAIN & LAURA PH. II

Lab Number: L1956543

Project Number: Not Specified

Report Date: 12/05/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/02/19 10:29
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1315903-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: E. MAIN & LAURA PH. II
Project Number: Not Specified

Lab Number: L1956543
Report Date: 12/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/02/19 10:29
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1315903-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.26	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: E. MAIN & LAURA PH. II**Lab Number:** L1956543**Project Number:** Not Specified**Report Date:** 12/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 12/02/19 10:29
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1315903-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA PH. II

Lab Number: L1956543

Project Number: Not Specified

Report Date: 12/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1315903-3 WG1315903-4								
Methylene chloride	88		89		70-130	1		30
1,1-Dichloroethane	78		79		70-130	1		30
Chloroform	81		82		70-130	1		30
Carbon tetrachloride	83		84		70-130	1		30
1,2-Dichloropropane	79		80		70-130	1		30
Dibromochloromethane	84		84		70-130	0		30
1,1,2-Trichloroethane	83		83		70-130	0		30
Tetrachloroethene	89		88		70-130	1		30
Chlorobenzene	83		84		70-130	1		30
Trichlorofluoromethane	74		73		70-139	1		30
1,2-Dichloroethane	79		79		70-130	0		30
1,1,1-Trichloroethane	84		85		70-130	1		30
Bromodichloromethane	88		89		70-130	1		30
trans-1,3-Dichloropropene	86		86		70-130	0		30
cis-1,3-Dichloropropene	93		94		70-130	1		30
Bromoform	82		84		70-130	2		30
1,1,2,2-Tetrachloroethane	78		78		70-130	0		30
Benzene	86		88		70-130	2		30
Toluene	82		82		70-130	0		30
Ethylbenzene	82		83		70-130	1		30
Chloromethane	69		67		52-130	3		30
Bromomethane	95		90		57-147	5		30
Vinyl chloride	70		69		67-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA PH. II

Lab Number: L1956543

Project Number: Not Specified

Report Date: 12/05/19

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1315903-3 WG1315903-4								
Chloroethane	82		82		50-151	0		30
1,1-Dichloroethene	81		81		65-135	0		30
trans-1,2-Dichloroethene	86		87		70-130	1		30
Trichloroethene	89		89		70-130	0		30
1,2-Dichlorobenzene	82		84		70-130	2		30
1,3-Dichlorobenzene	82		84		70-130	2		30
1,4-Dichlorobenzene	82		82		70-130	0		30
Methyl tert butyl ether	89		89		66-130	0		30
p/m-Xylene	87		88		70-130	1		30
o-Xylene	85		86		70-130	1		30
cis-1,2-Dichloroethene	87		88		70-130	1		30
Styrene	89		90		70-130	1		30
Dichlorodifluoromethane	47		47		30-146	0		30
Acetone	91		91		54-140	0		30
Carbon disulfide	75		74		59-130	1		30
2-Butanone	91		92		70-130	1		30
4-Methyl-2-pentanone	80		79		70-130	1		30
2-Hexanone	98		94		70-130	4		30
1,2-Dibromoethane	88		88		70-130	0		30
n-Butylbenzene	82		84		70-130	2		30
sec-Butylbenzene	82		83		70-130	1		30
tert-Butylbenzene	80		82		70-130	2		30
1,2-Dibromo-3-chloropropane	88		87		68-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA PH. II

Lab Number: L1956543

Project Number: Not Specified

Report Date: 12/05/19

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1315903-3 WG1315903-4								
Isopropylbenzene	81		82		70-130	1		30
p-Isopropyltoluene	83		85		70-130	2		30
Naphthalene	83		84		70-130	1		30
n-Propylbenzene	80		81		70-130	1		30
1,2,4-Trichlorobenzene	93		94		70-130	1		30
1,3,5-Trimethylbenzene	81		82		70-130	1		30
1,2,4-Trimethylbenzene	82		83		70-130	1		30
Methyl Acetate	102		102		51-146	0		30
Cyclohexane	72		72		59-142	0		30
Freon-113	79		78		50-139	1		30
Methyl cyclohexane	81		82		70-130	1		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	97		95		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	105		104		70-130

SEMIVOLATILES

Project Name: E. MAIN & LAURA PH. II
Project Number: Not Specified

Lab Number: L1956543
Report Date: 12/05/19

SAMPLE RESULTS

Lab ID: L1956543-01
 Client ID: B-4
 Sample Location: ROCHESTER, NY

Date Collected: 11/22/19 09:30
 Date Received: 11/22/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/02/19 22:47
 Analyst: EK
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 12/01/19 01:56

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	18.	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	79		23-120
2-Fluorobiphenyl	76		30-120
4-Terphenyl-d14	73		18-120

Project Name: E. MAIN & LAURA PH. II
Project Number: Not Specified

Lab Number: L1956543
Report Date: 12/05/19

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 12/02/19 19:19
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 12/01/19 01:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1315242-1					
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.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	69		30-120
4-Terphenyl-d14	77		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA PH. II

Lab Number: L1956543

Project Number: Not Specified

Report Date: 12/05/19

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1315242-2 WG1315242-3								
Acenaphthene	77		90		31-137	16		50
Fluoranthene	78		92		40-140	16		50
Benzo(a)anthracene	71		84		40-140	17		50
Benzo(a)pyrene	71		83		40-140	16		50
Benzo(b)fluoranthene	74		86		40-140	15		50
Benzo(k)fluoranthene	75		86		40-140	14		50
Chrysene	70		82		40-140	16		50
Acenaphthylene	81		96		40-140	17		50
Anthracene	76		89		40-140	16		50
Benzo(ghi)perylene	79		93		40-140	16		50
Fluorene	78		93		40-140	18		50
Phenanthrene	74		86		40-140	15		50
Dibenzo(a,h)anthracene	78		92		40-140	16		50
Indeno(1,2,3-cd)pyrene	80		96		40-140	18		50
Pyrene	78		90		35-142	14		50

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	61		72		23-120
2-Fluorobiphenyl	60		69		30-120
4-Terphenyl-d14	62		74		18-120

METALS

Project Name: E. MAIN & LAURA PH. II
Project Number: Not Specified

Lab Number: L1956543
Report Date: 12/05/19

SAMPLE RESULTS

Lab ID: L1956543-01
 Client ID: B-4
 Sample Location: ROCHESTER, NY

Date Collected: 11/22/19 09:30
 Date Received: 11/22/19
 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											
Aluminum, Total	4550		mg/kg	8.55	2.31	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.28	0.325	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Arsenic, Total	4.37		mg/kg	0.855	0.178	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Barium, Total	46.4		mg/kg	0.855	0.149	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Beryllium, Total	0.333	J	mg/kg	0.428	0.028	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.855	0.084	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Calcium, Total	3580		mg/kg	8.55	2.99	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Chromium, Total	6.91		mg/kg	0.855	0.082	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Cobalt, Total	4.51		mg/kg	1.71	0.142	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Copper, Total	14.4		mg/kg	0.855	0.221	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Iron, Total	10600		mg/kg	4.28	0.772	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Lead, Total	16.2		mg/kg	4.28	0.229	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Magnesium, Total	2400		mg/kg	8.55	1.32	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Manganese, Total	380		mg/kg	0.855	0.136	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.081	0.053	1	11/27/19 16:16	12/02/19 16:13	EPA 7471B	1,7471B	GD
Nickel, Total	6.73		mg/kg	2.14	0.207	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Potassium, Total	314		mg/kg	214	12.3	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.71	0.221	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.855	0.242	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Sodium, Total	25.4	J	mg/kg	171	2.69	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.71	0.269	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Vanadium, Total	9.24		mg/kg	0.855	0.174	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC
Zinc, Total	28.4		mg/kg	4.28	0.250	2	11/27/19 21:04	12/05/19 02:17	EPA 3050B	1,6010D	MC



Project Name: E. MAIN & LAURA PH. II
Project Number: Not Specified

Lab Number: L1956543
Report Date: 12/05/19

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1314784-1									
Mercury, Total	ND	mg/kg	0.083	0.054	1	11/27/19 16:16	12/02/19 15:20	1,7471B	GD

Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst	
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1314848-1										
Aluminum, Total	ND	mg/kg	4.00	1.08	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Antimony, Total	ND	mg/kg	2.00	0.152	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Arsenic, Total	ND	mg/kg	0.400	0.083	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Barium, Total	ND	mg/kg	0.400	0.070	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Beryllium, Total	ND	mg/kg	0.200	0.013	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Cadmium, Total	ND	mg/kg	0.400	0.039	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Calcium, Total	ND	mg/kg	4.00	1.40	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Chromium, Total	ND	mg/kg	0.400	0.038	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Cobalt, Total	ND	mg/kg	0.800	0.066	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Copper, Total	ND	mg/kg	0.400	0.103	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Iron, Total	0.644	J	mg/kg	2.00	0.361	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC
Lead, Total	ND	mg/kg	2.00	0.107	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Magnesium, Total	ND	mg/kg	4.00	0.616	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Manganese, Total	ND	mg/kg	0.400	0.064	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Nickel, Total	ND	mg/kg	1.00	0.097	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Potassium, Total	ND	mg/kg	100	5.76	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Selenium, Total	ND	mg/kg	0.800	0.103	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Silver, Total	ND	mg/kg	0.400	0.113	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Sodium, Total	11.2	J	mg/kg	80.0	1.26	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC
Thallium, Total	ND	mg/kg	0.800	0.126	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Vanadium, Total	ND	mg/kg	0.400	0.081	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	
Zinc, Total	ND	mg/kg	2.00	0.117	1	11/27/19 21:04	12/05/19 00:24	1,6010D	MC	

Project Name: E. MAIN & LAURA PH. II

Lab Number: L1956543

Project Number: Not Specified

Report Date: 12/05/19

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis Batch Quality Control

Project Name: E. MAIN & LAURA PH. II

Lab Number: L1956543

Project Number: Not Specified

Report Date: 12/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1314784-2 SRM Lot Number: D105-540								
Mercury, Total	90		-		60-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA PH. II

Lab Number: L1956543

Project Number: Not Specified

Report Date: 12/05/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1314848-2 SRM Lot Number: D105-540					
Aluminum, Total	66	-	51-149	-	
Antimony, Total	112	-	19-249	-	
Arsenic, Total	86	-	70-130	-	
Barium, Total	86	-	75-125	-	
Beryllium, Total	93	-	75-125	-	
Cadmium, Total	84	-	75-125	-	
Calcium, Total	82	-	73-127	-	
Chromium, Total	84	-	70-130	-	
Cobalt, Total	88	-	75-125	-	
Copper, Total	83	-	75-125	-	
Iron, Total	72	-	38-162	-	
Lead, Total	80	-	71-128	-	
Magnesium, Total	82	-	63-137	-	
Manganese, Total	82	-	76-124	-	
Nickel, Total	88	-	70-131	-	
Potassium, Total	84	-	60-140	-	
Selenium, Total	88	-	63-137	-	
Silver, Total	83	-	69-131	-	
Sodium, Total	107	-	37-162	-	
Thallium, Total	88	-	68-132	-	
Vanadium, Total	81	-	65-135	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA PH. II

Lab Number: L1956543

Project Number: Not Specified

Report Date: 12/05/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1314848-2 SRM Lot Number: D105-540					
Zinc, Total	85	-	70-130	-	

Matrix Spike Analysis Batch Quality Control

Project Name: E. MAIN & LAURA PH. II

Lab Number: L1956543

Project Number: Not Specified

Report Date: 12/05/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1314784-4 WG1314784-5 QC Sample: L1956754-11 Client ID: MS Sample												
Mercury, Total	0.892	0.27	1.20	114		0.929	13	Q	80-120	25	Q	20

Matrix Spike Analysis Batch Quality Control

Project Name: E. MAIN & LAURA PH. II
Project Number: Not Specified

Lab Number: L1956543
Report Date: 12/05/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1314848-7 WG1314848-8 QC Sample: L1956971-10 Client ID: MS Sample									
Aluminum, Total	14500	202	16400	939	Q 15800	652	Q 75-125	4	20
Antimony, Total	0.673J	50.6	20.7	41	Q 25.2	50	Q 75-125	20	20
Arsenic, Total	7.27	12.1	21.0	113	20.0	106	75-125	5	20
Barium, Total	68.7	202	274	101	261	96	75-125	5	20
Beryllium, Total	0.561	5.06	5.69	101	5.42	97	75-125	5	20
Cadmium, Total	ND	5.16	4.08	79	3.92	77	75-125	4	20
Calcium, Total	626	1010	1590	95	1570	95	75-125	1	20
Chromium, Total	16.0	20.2	37.7	107	36.3	102	75-125	4	20
Cobalt, Total	9.04	50.6	58.2	97	55.6	93	75-125	5	20
Copper, Total	10.2	25.3	35.4	100	35.2	100	75-125	1	20
Iron, Total	24800	101	26600	1780	Q 25600	802	Q 75-125	4	20
Lead, Total	16.2	51.6	65.5	96	62.7	91	75-125	4	20
Magnesium, Total	3250	1010	4450	118	4290	104	75-125	4	20
Manganese, Total	633	50.6	957	640	Q 712	158	Q 75-125	29	Q 20
Nickel, Total	17.7	50.6	65.5	94	63.0	91	75-125	4	20
Potassium, Total	534	1010	1550	100	1500	97	75-125	3	20
Selenium, Total	0.336J	12.1	12.4	102	11.4	95	75-125	8	20
Silver, Total	ND	30.4	31.1	102	29.6	99	75-125	5	20
Sodium, Total	108J	1010	1170	116	1120	112	75-125	4	20
Thallium, Total	ND	12.1	11.1	91	10.7	89	75-125	4	20
Vanadium, Total	20.3	50.6	72.9	104	70.0	100	75-125	4	20

Matrix Spike Analysis Batch Quality Control

Project Name: E. MAIN & LAURA PH. II

Lab Number: L1956543

Project Number: Not Specified

Report Date: 12/05/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1314848-7 WG1314848-8 QC Sample: L1956971-10 Client ID: MS Sample									
Zinc, Total	55.7	50.6	110	107	107	103	75-125	3	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA PH. II

Project Number: Not Specified

Lab Number: L1956543

Report Date: 12/05/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1314848-3 QC Sample: L1956971-11 Client ID: DUP Sample						
Aluminum, Total	17500	16600	mg/kg	5		20
Antimony, Total	1.32J	0.995J	mg/kg	NC		20
Arsenic, Total	5.60	3.86	mg/kg	37	Q	20
Barium, Total	61.0	51.3	mg/kg	17		20
Beryllium, Total	0.938	0.853	mg/kg	9		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	1550	1510	mg/kg	3		20
Chromium, Total	26.2	25.2	mg/kg	4		20
Cobalt, Total	15.8	14.8	mg/kg	7		20
Copper, Total	20.7	19.8	mg/kg	4		20
Iron, Total	35000	32800	mg/kg	6		20
Lead, Total	16.8	15.3	mg/kg	9		20
Magnesium, Total	6060	6080	mg/kg	0		20
Manganese, Total	437	325	mg/kg	29	Q	20
Nickel, Total	42.7	38.5	mg/kg	10		20
Potassium, Total	1010	892	mg/kg	12		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	106J	102J	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA PH. II

Project Number: Not Specified

Lab Number: L1956543

Report Date: 12/05/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1314848-3 QC Sample: L1956971-11 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	24.3	23.0	mg/kg	5	20
Zinc, Total	81.1	79.1	mg/kg	2	20

INORGANICS & MISCELLANEOUS

Project Name: E. MAIN & LAURA PH. II
Project Number: Not Specified

Lab Number: L1956543
Report Date: 12/05/19

SAMPLE RESULTS

Lab ID: L1956543-01
Client ID: B-4
Sample Location: ROCHESTER, NY

Date Collected: 11/22/19 09:30
Date Received: 11/22/19
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	90.8		%	0.100	NA	1	-	11/25/19 23:28	121,2540G	YA



Lab Duplicate Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA PH. II

Project Number: Not Specified

Lab Number: L1956543

Report Date: 12/05/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1313824-1 QC Sample: L1956409-01 Client ID: DUP Sample						
Solids, Total	86.6	88.2	%	2		20

Project Name: E. MAIN & LAURA PH. II**Lab Number:** L1956543**Project Number:** Not Specified**Report Date:** 12/05/19**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(*)
L1956543-01A	Vial MeOH preserved	A	NA		5.6	Y	Absent		NYTCL-8260HLW-R2(14)
L1956543-01B	Vial water preserved	A	NA		5.6	Y	Absent	23-NOV-19 17:52	NYTCL-8260HLW-R2(14)
L1956543-01C	Vial water preserved	A	NA		5.6	Y	Absent	23-NOV-19 17:52	NYTCL-8260HLW-R2(14)
L1956543-01D	Vial Large Septa unpreserved (4oz)	A	NA		5.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L1956543-01E	Vial Large Septa unpreserved (4oz)	A	NA		5.6	Y	Absent		NYCP51-PAH(14),TS(7)

Project Name: E. MAIN & LAURA PH. II
Project Number: Not Specified

Lab Number: L1956543
Report Date: 12/05/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: E. MAIN & LAURA PH. II
Project Number: Not Specified

Lab Number: L1956543
Report Date: 12/05/19

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

Terms

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration 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.)

Report Format: DU Report with 'J' Qualifiers



Project Name: E. MAIN & LAURA PH. II
Project Number: Not Specified

Lab Number: L1956543
Report Date: 12/05/19

Data Qualifiers

- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: E. MAIN & LAURA PH. II

Lab Number: L1956543

Project Number: Not Specified

Report Date: 12/05/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.

Mansfield Facility:

Drinking Water

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

EPA 522.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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



ANALYTICAL REPORT

Lab Number:	L1957157
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Dan Noll
Phone:	(585) 454-6110
Project Name:	E. MAIN & LAURA
Project Number:	2182815.01
Report Date:	12/06/19

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

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



Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1957157-01	B-2	SOIL	ROCHESTER, NY	11/26/19 09:25	11/26/19
L1957157-02	B-1	SOIL	ROCHESTER, NY	11/26/19 10:45	11/26/19
L1957157-03	B-5	SOIL	ROCHESTER, NY	11/26/19 12:10	11/26/19
L1957157-04	B-6	SOIL	ROCHESTER, NY	11/26/19 13:55	11/26/19
L1957157-05	B-3	SOIL	ROCHESTER, NY	11/26/19 15:00	11/26/19

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

Case Narrative

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

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

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

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

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

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

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

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.

Total Metals

L1957157-01 through -05: The sample has elevated detection limits for all elements, with the exception of mercury, 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:

Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative

Date: 12/06/19

ORGANICS

VOLATILES

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-01
 Client ID: B-2
 Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 09:25
 Date Received: 11/26/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/04/19 21:59
 Analyst: MV
 Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.86	0.12	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.86	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.86	0.11	1
Dibromochloromethane	ND		ug/kg	0.86	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.86	0.23	1
Tetrachloroethene	0.50		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.22	1
1,1,1-Trichloroethane	0.20	J	ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.86	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	0.14	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	0.14	1
Benzene	ND		ug/kg	0.43	0.14	1
Toluene	ND		ug/kg	0.86	0.47	1
Ethylbenzene	ND		ug/kg	0.86	0.12	1
Chloromethane	ND		ug/kg	3.4	0.80	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	ND		ug/kg	0.86	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.86	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.43	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-01
Client ID: B-2
Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 09:25
Date Received: 11/26/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.48	1
o-Xylene	ND		ug/kg	0.86	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.86	0.15	1
Styrene	ND		ug/kg	0.86	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.6	0.79	1
Acetone	ND		ug/kg	8.6	4.2	1
Carbon disulfide	ND		ug/kg	8.6	3.9	1
2-Butanone	ND		ug/kg	8.6	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.6	1.1	1
2-Hexanone	ND		ug/kg	8.6	1.0	1
1,2-Dibromoethane	ND		ug/kg	0.86	0.24	1
n-Butylbenzene	ND		ug/kg	0.86	0.14	1
sec-Butylbenzene	ND		ug/kg	0.86	0.13	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.86	1
Isopropylbenzene	ND		ug/kg	0.86	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.86	0.09	1
Naphthalene	ND		ug/kg	3.4	0.56	1
n-Propylbenzene	ND		ug/kg	0.86	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
Methyl Acetate	ND		ug/kg	3.4	0.82	1
Cyclohexane	ND		ug/kg	8.6	0.47	1
Freon-113	ND		ug/kg	3.4	0.60	1
Methyl cyclohexane	ND		ug/kg	3.4	0.52	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-02
 Client ID: B-1
 Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 10:45
 Date Received: 11/26/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/04/19 22:39
 Analyst: MV
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.87	0.12	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.87	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.87	0.11	1
Dibromochloromethane	ND		ug/kg	0.87	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.87	0.23	1
Tetrachloroethene	ND		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.87	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.87	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	0.14	1
Bromoform	ND		ug/kg	3.5	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	0.14	1
Benzene	0.17	J	ug/kg	0.43	0.14	1
Toluene	0.48	J	ug/kg	0.87	0.47	1
Ethylbenzene	ND		ug/kg	0.87	0.12	1
Chloromethane	ND		ug/kg	3.5	0.81	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	ND		ug/kg	0.87	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.87	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.43	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-02
Client ID: B-1
Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 10:45
Date Received: 11/26/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.48	1
o-Xylene	ND		ug/kg	0.87	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.87	0.15	1
Styrene	ND		ug/kg	0.87	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.7	0.79	1
Acetone	ND		ug/kg	8.7	4.2	1
Carbon disulfide	ND		ug/kg	8.7	3.9	1
2-Butanone	ND		ug/kg	8.7	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.7	1.1	1
2-Hexanone	ND		ug/kg	8.7	1.0	1
1,2-Dibromoethane	ND		ug/kg	0.87	0.24	1
n-Butylbenzene	ND		ug/kg	0.87	0.14	1
sec-Butylbenzene	ND		ug/kg	0.87	0.13	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.86	1
Isopropylbenzene	ND		ug/kg	0.87	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.87	0.09	1
Naphthalene	ND		ug/kg	3.5	0.56	1
n-Propylbenzene	ND		ug/kg	0.87	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
Methyl Acetate	ND		ug/kg	3.5	0.82	1
Cyclohexane	ND		ug/kg	8.7	0.47	1
Freon-113	ND		ug/kg	3.5	0.60	1
Methyl cyclohexane	ND		ug/kg	3.5	0.52	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-03
 Client ID: B-5
 Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 12:10
 Date Received: 11/26/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/04/19 23:18
 Analyst: MV
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.86	0.12	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.86	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.86	0.11	1
Dibromochloromethane	ND		ug/kg	0.86	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.86	0.23	1
Tetrachloroethene	0.43		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.59	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.86	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	0.14	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	0.14	1
Benzene	ND		ug/kg	0.43	0.14	1
Toluene	ND		ug/kg	0.86	0.46	1
Ethylbenzene	ND		ug/kg	0.86	0.12	1
Chloromethane	ND		ug/kg	3.4	0.80	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	ND		ug/kg	0.86	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.86	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.43	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-03
Client ID: B-5
Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 12:10
Date Received: 11/26/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.48	1
o-Xylene	ND		ug/kg	0.86	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.86	0.15	1
Styrene	ND		ug/kg	0.86	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.6	0.78	1
Acetone	ND		ug/kg	8.6	4.1	1
Carbon disulfide	ND		ug/kg	8.6	3.9	1
2-Butanone	ND		ug/kg	8.6	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.6	1.1	1
2-Hexanone	ND		ug/kg	8.6	1.0	1
1,2-Dibromoethane	ND		ug/kg	0.86	0.24	1
n-Butylbenzene	ND		ug/kg	0.86	0.14	1
sec-Butylbenzene	ND		ug/kg	0.86	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.85	1
Isopropylbenzene	ND		ug/kg	0.86	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.86	0.09	1
Naphthalene	ND		ug/kg	3.4	0.56	1
n-Propylbenzene	ND		ug/kg	0.86	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.28	1
Methyl Acetate	ND		ug/kg	3.4	0.81	1
Cyclohexane	ND		ug/kg	8.6	0.46	1
Freon-113	ND		ug/kg	3.4	0.59	1
Methyl cyclohexane	ND		ug/kg	3.4	0.52	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-04
 Client ID: B-6
 Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 13:55
 Date Received: 11/26/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/04/19 23:58
 Analyst: MV
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.86	0.12	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.86	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.86	0.11	1
Dibromochloromethane	ND		ug/kg	0.86	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.86	0.23	1
Tetrachloroethene	0.64		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.22	1
1,1,1-Trichloroethane	0.28	J	ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.86	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	0.14	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	0.14	1
Benzene	ND		ug/kg	0.43	0.14	1
Toluene	ND		ug/kg	0.86	0.47	1
Ethylbenzene	ND		ug/kg	0.86	0.12	1
Chloromethane	ND		ug/kg	3.4	0.80	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	ND		ug/kg	0.86	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.86	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.43	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-04
Client ID: B-6
Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 13:55
Date Received: 11/26/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.48	1
o-Xylene	ND		ug/kg	0.86	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.86	0.15	1
Styrene	ND		ug/kg	0.86	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.6	0.79	1
Acetone	ND		ug/kg	8.6	4.1	1
Carbon disulfide	ND		ug/kg	8.6	3.9	1
2-Butanone	ND		ug/kg	8.6	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.6	1.1	1
2-Hexanone	ND		ug/kg	8.6	1.0	1
1,2-Dibromoethane	ND		ug/kg	0.86	0.24	1
n-Butylbenzene	ND		ug/kg	0.86	0.14	1
sec-Butylbenzene	ND		ug/kg	0.86	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.86	1
Isopropylbenzene	ND		ug/kg	0.86	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.86	0.09	1
Naphthalene	ND		ug/kg	3.4	0.56	1
n-Propylbenzene	ND		ug/kg	0.86	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
Methyl Acetate	ND		ug/kg	3.4	0.82	1
Cyclohexane	ND		ug/kg	8.6	0.47	1
Freon-113	ND		ug/kg	3.4	0.60	1
Methyl cyclohexane	ND		ug/kg	3.4	0.52	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-05
 Client ID: B-3
 Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 15:00
 Date Received: 11/26/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/05/19 00:38
 Analyst: MV
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.26	1
Tetrachloroethene	0.39	J	ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.15	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.98	0.53	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	3.9	0.91	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.98	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.13	1
Trichloroethene	ND		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-05
Client ID: B-3
Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 15:00
Date Received: 11/26/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.98	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.17	1
Styrene	ND		ug/kg	0.98	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.89	1
Acetone	ND		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.4	1
2-Butanone	ND		ug/kg	9.8	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	1.2	1
2-Hexanone	ND		ug/kg	9.8	1.2	1
1,2-Dibromoethane	ND		ug/kg	0.98	0.27	1
n-Butylbenzene	ND		ug/kg	0.98	0.16	1
sec-Butylbenzene	ND		ug/kg	0.98	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.97	1
Isopropylbenzene	ND		ug/kg	0.98	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.11	1
Naphthalene	ND		ug/kg	3.9	0.63	1
n-Propylbenzene	ND		ug/kg	0.98	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.32	1
Methyl Acetate	ND		ug/kg	3.9	0.93	1
Cyclohexane	ND		ug/kg	9.8	0.53	1
Freon-113	ND		ug/kg	3.9	0.68	1
Methyl cyclohexane	ND		ug/kg	3.9	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/04/19 20:01
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-05 Batch: WG1316879-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	1.2	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/04/19 20:01
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-05 Batch: WG1316879-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/04/19 20:01
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-05 Batch: WG1316879-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA

Lab Number: L1957157

Project Number: 2182815.01

Report Date: 12/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-05 Batch: WG1316879-3 WG1316879-4								
Methylene chloride	94		97		70-130	3		30
1,1-Dichloroethane	98		99		70-130	1		30
Chloroform	92		93		70-130	1		30
Carbon tetrachloride	102		105		70-130	3		30
1,2-Dichloropropane	99		100		70-130	1		30
Dibromochloromethane	96		99		70-130	3		30
1,1,2-Trichloroethane	89		90		70-130	1		30
Tetrachloroethene	90		90		70-130	0		30
Chlorobenzene	92		92		70-130	0		30
Trichlorofluoromethane	103		103		70-139	0		30
1,2-Dichloroethane	92		94		70-130	2		30
1,1,1-Trichloroethane	98		101		70-130	3		30
Bromodichloromethane	92		94		70-130	2		30
trans-1,3-Dichloropropene	84		84		70-130	0		30
cis-1,3-Dichloropropene	87		89		70-130	2		30
Bromoform	91		91		70-130	0		30
1,1,2,2-Tetrachloroethane	88		88		70-130	0		30
Benzene	93		93		70-130	0		30
Toluene	93		93		70-130	0		30
Ethylbenzene	95		96		70-130	1		30
Chloromethane	100		102		52-130	2		30
Bromomethane	100		106		57-147	6		30
Vinyl chloride	90		90		67-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA

Lab Number: L1957157

Project Number: 2182815.01

Report Date: 12/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-05 Batch: WG1316879-3 WG1316879-4								
Chloroethane	105		105		50-151	0		30
1,1-Dichloroethene	101		101		65-135	0		30
trans-1,2-Dichloroethene	97		99		70-130	2		30
Trichloroethene	98		100		70-130	2		30
1,2-Dichlorobenzene	97		97		70-130	0		30
1,3-Dichlorobenzene	100		100		70-130	0		30
1,4-Dichlorobenzene	99		99		70-130	0		30
Methyl tert butyl ether	97		98		66-130	1		30
p/m-Xylene	96		97		70-130	1		30
o-Xylene	94		94		70-130	0		30
cis-1,2-Dichloroethene	94		96		70-130	2		30
Styrene	97		99		70-130	2		30
Dichlorodifluoromethane	100		100		30-146	0		30
Acetone	107		102		54-140	5		30
Carbon disulfide	87		87		59-130	0		30
2-Butanone	103		102		70-130	1		30
4-Methyl-2-pentanone	97		99		70-130	2		30
2-Hexanone	96		98		70-130	2		30
1,2-Dibromoethane	91		92		70-130	1		30
n-Butylbenzene	98		98		70-130	0		30
sec-Butylbenzene	103		103		70-130	0		30
tert-Butylbenzene	106		106		70-130	0		30
1,2-Dibromo-3-chloropropane	95		96		68-130	1		30

Lab Control Sample Analysis Batch Quality Control

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-05 Batch: WG1316879-3 WG1316879-4								
Isopropylbenzene	102		102		70-130	0		30
p-Isopropyltoluene	106		106		70-130	0		30
Naphthalene	106		107		70-130	1		30
n-Propylbenzene	100		100		70-130	0		30
1,2,4-Trichlorobenzene	98		96		70-130	2		30
1,3,5-Trimethylbenzene	102		101		70-130	1		30
1,2,4-Trimethylbenzene	102		101		70-130	1		30
Methyl Acetate	116		116		51-146	0		30
Cyclohexane	113		112		59-142	1		30
Freon-113	104		105		50-139	1		30
Methyl cyclohexane	102		103		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		96		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	97		97		70-130



SEMIVOLATILES

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-01
 Client ID: B-2
 Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 09:25
 Date Received: 11/26/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/05/19 09:53
 Analyst: KR
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 12/04/19 17:06

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	18.	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	75		23-120
2-Fluorobiphenyl	79		30-120
4-Terphenyl-d14	82		18-120

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-02
 Client ID: B-1
 Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 10:45
 Date Received: 11/26/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/05/19 09:30
 Analyst: KR
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 12/04/19 17:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Fluoranthene	ND		ug/kg	110	20.	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	76		23-120
2-Fluorobiphenyl	76		30-120
4-Terphenyl-d14	74		18-120

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-03
 Client ID: B-5
 Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 12:10
 Date Received: 11/26/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/05/19 10:38
 Analyst: KR
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 12/04/19 17:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Fluoranthene	30	J	ug/kg	110	21.	1
Benzo(a)anthracene	21	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	24	J	ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	86		30-120
4-Terphenyl-d14	74		18-120

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-04
 Client ID: B-6
 Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 13:55
 Date Received: 11/26/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/05/19 08:45
 Analyst: KR
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 12/04/19 17:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Fluoranthene	ND		ug/kg	110	21.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	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	150	26.	1
Pyrene	ND		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	83		30-120
4-Terphenyl-d14	72		18-120

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-05
 Client ID: B-3
 Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 15:00
 Date Received: 11/26/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/05/19 09:08
 Analyst: KR
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 12/04/19 17:06

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	31.	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	36.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	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	82		23-120
2-Fluorobiphenyl	80		30-120
4-Terphenyl-d14	73		18-120

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/04/19 17:47
Analyst: JRW

Extraction Method: EPA 3546
Extraction Date: 12/04/19 03:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1316289-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	97	19.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	58		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1316289-2 WG1316289-3								
Acenaphthene	82		72		31-137	13		50
Fluoranthene	81		71		40-140	13		50
Benzo(a)anthracene	77		67		40-140	14		50
Benzo(a)pyrene	74		65		40-140	13		50
Benzo(b)fluoranthene	78		69		40-140	12		50
Benzo(k)fluoranthene	77		68		40-140	12		50
Chrysene	75		66		40-140	13		50
Acenaphthylene	88		74		40-140	17		50
Anthracene	80		71		40-140	12		50
Benzo(ghi)perylene	83		73		40-140	13		50
Fluorene	83		74		40-140	11		50
Phenanthrene	76		67		40-140	13		50
Dibenzo(a,h)anthracene	85		75		40-140	13		50
Indeno(1,2,3-cd)pyrene	86		74		40-140	15		50
Pyrene	79		71		35-142	11		50

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		69		25-120
Phenol-d6	88		73		10-120
Nitrobenzene-d5	72		59		23-120
2-Fluorobiphenyl	63		56		30-120
2,4,6-Tribromophenol	89		83		10-136
4-Terphenyl-d14	63		57		18-120



METALS

Project Name: E. MAIN & LAURA

Lab Number: L1957157

Project Number: 2182815.01

Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-01

Date Collected: 11/26/19 09:25

Client ID: B-2

Date Received: 11/26/19

Sample Location: ROCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5140		mg/kg	8.67	2.34	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Antimony, Total	0.434	J	mg/kg	4.34	0.329	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Arsenic, Total	4.20		mg/kg	0.867	0.180	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Barium, Total	23.0		mg/kg	0.867	0.151	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Beryllium, Total	0.182	J	mg/kg	0.434	0.029	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Cadmium, Total	0.529	J	mg/kg	0.867	0.085	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Calcium, Total	1220		mg/kg	8.67	3.03	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Chromium, Total	6.68		mg/kg	0.867	0.083	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Cobalt, Total	4.22		mg/kg	1.73	0.144	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Copper, Total	11.6		mg/kg	0.867	0.224	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Iron, Total	12000		mg/kg	4.34	0.783	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Lead, Total	7.27		mg/kg	4.34	0.232	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Magnesium, Total	1570		mg/kg	8.67	1.34	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Manganese, Total	417		mg/kg	0.867	0.138	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.070	0.045	1	11/30/19 09:20	12/03/19 20:08	EPA 7471B	1,7471B	GD
Nickel, Total	7.01		mg/kg	2.17	0.210	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Potassium, Total	297		mg/kg	217	12.5	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.73	0.224	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.867	0.245	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Sodium, Total	36.4	J	mg/kg	173	2.73	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.73	0.273	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Vanadium, Total	11.3		mg/kg	0.867	0.176	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC
Zinc, Total	29.7		mg/kg	4.34	0.254	2	12/03/19 22:52	12/06/19 02:30	EPA 3050B	1,6010D	MC



Project Name: E. MAIN & LAURA

Lab Number: L1957157

Project Number: 2182815.01

Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-02

Date Collected: 11/26/19 10:45

Client ID: B-1

Date Received: 11/26/19

Sample Location: ROCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5860		mg/kg	8.66	2.34	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Antimony, Total	1.36	J	mg/kg	4.33	0.329	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Arsenic, Total	5.23		mg/kg	0.866	0.180	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Barium, Total	32.4		mg/kg	0.866	0.151	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Beryllium, Total	0.251	J	mg/kg	0.433	0.029	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Cadmium, Total	0.684	J	mg/kg	0.866	0.085	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Calcium, Total	2120		mg/kg	8.66	3.03	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Chromium, Total	7.89		mg/kg	0.866	0.083	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Cobalt, Total	5.26		mg/kg	1.73	0.144	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Copper, Total	16.5		mg/kg	0.866	0.223	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Iron, Total	14300		mg/kg	4.33	0.782	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Lead, Total	12.5		mg/kg	4.33	0.232	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Magnesium, Total	1680		mg/kg	8.66	1.33	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Manganese, Total	811		mg/kg	0.866	0.138	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Mercury, Total	0.068	J	mg/kg	0.068	0.044	1	11/30/19 09:20	12/03/19 20:13	EPA 7471B	1,7471B	GD
Nickel, Total	9.86		mg/kg	2.16	0.210	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Potassium, Total	479		mg/kg	216	12.5	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.73	0.223	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.866	0.245	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Sodium, Total	81.3	J	mg/kg	173	2.73	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.73	0.273	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Vanadium, Total	13.4		mg/kg	0.866	0.176	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC
Zinc, Total	39.4		mg/kg	4.33	0.254	2	12/03/19 22:52	12/06/19 02:55	EPA 3050B	1,6010D	MC



Project Name: E. MAIN & LAURA

Lab Number: L1957157

Project Number: 2182815.01

Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-03

Date Collected: 11/26/19 12:10

Client ID: B-5

Date Received: 11/26/19

Sample Location: ROCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3600		mg/kg	8.91	2.40	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.45	0.338	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Arsenic, Total	3.55		mg/kg	0.891	0.185	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Barium, Total	25.4		mg/kg	0.891	0.155	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.445	0.029	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Cadmium, Total	0.463	J	mg/kg	0.891	0.087	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Calcium, Total	33800		mg/kg	8.91	3.12	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Chromium, Total	5.49		mg/kg	0.891	0.086	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Cobalt, Total	3.67		mg/kg	1.78	0.148	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Copper, Total	9.86		mg/kg	0.891	0.230	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Iron, Total	10400		mg/kg	4.45	0.804	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Lead, Total	5.93		mg/kg	4.45	0.239	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Magnesium, Total	11800		mg/kg	8.91	1.37	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Manganese, Total	316		mg/kg	0.891	0.142	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.071	0.046	1	11/30/19 09:20	12/03/19 20:15	EPA 7471B	1,7471B	GD
Nickel, Total	5.94		mg/kg	2.23	0.216	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Potassium, Total	555		mg/kg	223	12.8	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.78	0.230	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.891	0.252	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Sodium, Total	71.5	J	mg/kg	178	2.80	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.78	0.280	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Vanadium, Total	10.8		mg/kg	0.891	0.181	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC
Zinc, Total	30.7		mg/kg	4.45	0.261	2	12/03/19 22:52	12/06/19 03:00	EPA 3050B	1,6010D	MC



Project Name: E. MAIN & LAURA

Lab Number: L1957157

Project Number: 2182815.01

Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-04

Date Collected: 11/26/19 13:55

Client ID: B-6

Date Received: 11/26/19

Sample Location: ROCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4080		mg/kg	8.95	2.42	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.47	0.340	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Arsenic, Total	4.52		mg/kg	0.895	0.186	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Barium, Total	34.8		mg/kg	0.895	0.156	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Beryllium, Total	0.098	J	mg/kg	0.447	0.030	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Cadmium, Total	0.689	J	mg/kg	0.895	0.088	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Calcium, Total	32500		mg/kg	8.95	3.13	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Chromium, Total	6.97		mg/kg	0.895	0.086	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Cobalt, Total	3.70		mg/kg	1.79	0.148	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Copper, Total	15.8		mg/kg	0.895	0.231	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Iron, Total	11000		mg/kg	4.47	0.808	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Lead, Total	243		mg/kg	4.47	0.240	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Magnesium, Total	8600		mg/kg	8.95	1.38	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Manganese, Total	423		mg/kg	0.895	0.142	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Mercury, Total	0.204		mg/kg	0.071	0.046	1	11/30/19 09:20	12/03/19 20:17	EPA 7471B	1,7471B	GD
Nickel, Total	7.31		mg/kg	2.24	0.216	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Potassium, Total	399		mg/kg	224	12.9	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.79	0.231	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.895	0.253	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Sodium, Total	133	J	mg/kg	179	2.82	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.79	0.282	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Vanadium, Total	10.8		mg/kg	0.895	0.182	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC
Zinc, Total	76.4		mg/kg	4.47	0.262	2	12/03/19 22:52	12/06/19 03:04	EPA 3050B	1,6010D	MC



Project Name: E. MAIN & LAURA

Lab Number: L1957157

Project Number: 2182815.01

Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-05

Date Collected: 11/26/19 15:00

Client ID: B-3

Date Received: 11/26/19

Sample Location: ROCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4900		mg/kg	8.47	2.29	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Antimony, Total	0.610	J	mg/kg	4.23	0.322	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Arsenic, Total	7.38		mg/kg	0.847	0.176	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Barium, Total	46.1		mg/kg	0.847	0.147	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Beryllium, Total	0.296	J	mg/kg	0.423	0.028	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Cadmium, Total	0.745	J	mg/kg	0.847	0.083	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Calcium, Total	1400		mg/kg	8.47	2.96	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Chromium, Total	8.21		mg/kg	0.847	0.081	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Cobalt, Total	2.77		mg/kg	1.69	0.140	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Copper, Total	14.5		mg/kg	0.847	0.218	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Iron, Total	14600		mg/kg	4.23	0.764	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Lead, Total	35.9		mg/kg	4.23	0.227	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Magnesium, Total	947		mg/kg	8.47	1.30	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Manganese, Total	384		mg/kg	0.847	0.135	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Mercury, Total	0.098		mg/kg	0.071	0.046	1	11/30/19 09:20	12/03/19 20:18	EPA 7471B	1,7471B	GD
Nickel, Total	7.54		mg/kg	2.12	0.205	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Potassium, Total	452		mg/kg	212	12.2	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.69	0.218	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.847	0.240	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Sodium, Total	14.6	J	mg/kg	169	2.67	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.69	0.267	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Vanadium, Total	11.2		mg/kg	0.847	0.172	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC
Zinc, Total	51.0		mg/kg	4.23	0.248	2	12/03/19 22:52	12/06/19 03:08	EPA 3050B	1,6010D	MC



Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1315162-1									
Mercury, Total	ND	mg/kg	0.083	0.054	1	11/30/19 09:20	12/03/19 19:22	1,7471B	GD

Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst	
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1316177-1										
Aluminum, Total	ND	mg/kg	4.00	1.08	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	
Antimony, Total	ND	mg/kg	2.00	0.152	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	
Arsenic, Total	ND	mg/kg	0.400	0.083	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	
Barium, Total	ND	mg/kg	0.400	0.070	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	
Beryllium, Total	ND	mg/kg	0.200	0.013	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	
Cadmium, Total	ND	mg/kg	0.400	0.039	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	
Calcium, Total	ND	mg/kg	4.00	1.40	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	
Chromium, Total	ND	mg/kg	0.400	0.038	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	
Cobalt, Total	ND	mg/kg	0.800	0.066	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	
Copper, Total	ND	mg/kg	0.400	0.103	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	
Iron, Total	ND	mg/kg	2.00	0.361	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	
Lead, Total	0.140	J	mg/kg	2.00	0.107	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC
Magnesium, Total	ND	mg/kg	4.00	0.616	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	
Manganese, Total	ND	mg/kg	0.400	0.064	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	
Nickel, Total	ND	mg/kg	1.00	0.097	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	
Potassium, Total	ND	mg/kg	100	5.76	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	
Selenium, Total	ND	mg/kg	0.800	0.103	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	
Silver, Total	ND	mg/kg	0.400	0.113	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	
Sodium, Total	1.61	J	mg/kg	80.0	1.26	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC
Thallium, Total	ND	mg/kg	0.800	0.126	1	12/03/19 22:52	12/06/19 00:03	1,6010D	MC	
Vanadium, Total	ND	mg/kg	0.400	0.081	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	
Zinc, Total	ND	mg/kg	2.00	0.117	1	12/03/19 22:52	12/05/19 22:32	1,6010D	MC	

Project Name: E. MAIN & LAURA

Lab Number: L1957157

Project Number: 2182815.01

Report Date: 12/06/19

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis Batch Quality Control

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1315162-2 SRM Lot Number: D105-540								
Mercury, Total	91		-		60-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA

Lab Number: L1957157

Project Number: 2182815.01

Report Date: 12/06/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1316177-2 SRM Lot Number: D105-540					
Aluminum, Total	79	-	51-149	-	
Antimony, Total	159	-	19-249	-	
Arsenic, Total	108	-	70-130	-	
Barium, Total	95	-	75-125	-	
Beryllium, Total	107	-	75-125	-	
Cadmium, Total	102	-	75-125	-	
Calcium, Total	98	-	73-127	-	
Chromium, Total	107	-	70-130	-	
Cobalt, Total	108	-	75-125	-	
Copper, Total	101	-	75-125	-	
Iron, Total	91	-	38-162	-	
Lead, Total	102	-	71-128	-	
Magnesium, Total	94	-	63-137	-	
Manganese, Total	96	-	76-124	-	
Nickel, Total	100	-	70-131	-	
Potassium, Total	91	-	60-140	-	
Selenium, Total	106	-	63-137	-	
Silver, Total	101	-	69-131	-	
Sodium, Total	96	-	37-162	-	
Thallium, Total	108	-	68-132	-	
Vanadium, Total	103	-	65-135	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA

Lab Number: L1957157

Project Number: 2182815.01

Report Date: 12/06/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1316177-2 SRM Lot Number: D105-540					
Zinc, Total	105	-	70-130	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1315162-3 QC Sample: L1956932-01 Client ID: MS Sample												
Mercury, Total	0.389	0.139	0.508	86		-	-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1316177-3 QC Sample: L1957151-01 Client ID: MS Sample									
Aluminum, Total	7030	188	5640	0	Q	-	75-125	-	20
Antimony, Total	1.59J	47.1	44.6	95		-	75-125	-	20
Arsenic, Total	6.10	11.3	17.0	96		-	75-125	-	20
Barium, Total	30.2	188	203	92		-	75-125	-	20
Beryllium, Total	ND	4.71	4.35	92		-	75-125	-	20
Cadmium, Total	1.63	4.81	5.84	88		-	75-125	-	20
Calcium, Total	11800	942	9830	0	Q	-	75-125	-	20
Chromium, Total	33.0	18.8	55.1	117		-	75-125	-	20
Cobalt, Total	9.53	47.1	52.7	92		-	75-125	-	20
Copper, Total	100	23.6	102	9	Q	-	75-125	-	20
Iron, Total	40700	94.2	35000	0	Q	-	75-125	-	20
Lead, Total	28.7	48.1	70.9	88		-	75-125	-	20
Magnesium, Total	4150	942	4690	57	Q	-	75-125	-	20
Manganese, Total	352	47.1	358	13	Q	-	75-125	-	20
Nickel, Total	22.7	47.1	56.7	72	Q	-	75-125	-	20
Potassium, Total	1020	942	1660	68	Q	-	75-125	-	20
Selenium, Total	0.673J	11.3	11.1	98		-	75-125	-	20
Silver, Total	ND	28.3	25.6	90		-	75-125	-	20
Sodium, Total	869	942	1500	67	Q	-	75-125	-	20
Thallium, Total	ND	11.3	8.94	79		-	75-125	-	20
Vanadium, Total	52.7	47.1	95.8	91		-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1316177-3 QC Sample: L1957151-01 Client ID: MS Sample									
Zinc, Total	38.5	47.1	94.4	119	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA

Project Number: 2182815.01

Lab Number: L1957157

Report Date: 12/06/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1315162-4 QC Sample: L1956932-01 Client ID: DUP Sample						
Mercury, Total	0.389	0.584	mg/kg	40	Q	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA

Project Number: 2182815.01

Lab Number: L1957157

Report Date: 12/06/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1316177-4 QC Sample: L1957151-01 Client ID: DUP Sample					
Aluminum, Total	7030	5950	mg/kg	17	20
Antimony, Total	1.59J	1.83J	mg/kg	NC	20
Arsenic, Total	6.10	6.21	mg/kg	2	20
Barium, Total	30.2	18.2	mg/kg	50 Q	20
Beryllium, Total	ND	ND	mg/kg	NC	20
Cadmium, Total	1.63	1.94	mg/kg	17	20
Calcium, Total	11800	12000	mg/kg	2	20
Chromium, Total	33.0	33.0	mg/kg	0	20
Cobalt, Total	9.53	13.1	mg/kg	32 Q	20
Copper, Total	100	87.8	mg/kg	13	20
Iron, Total	40700	48000	mg/kg	16	20
Lead, Total	28.7	21.1	mg/kg	31 Q	20
Magnesium, Total	4150	6540	mg/kg	45 Q	20
Manganese, Total	352	477	mg/kg	30 Q	20
Nickel, Total	22.7	18.5	mg/kg	20	20
Potassium, Total	1020	628	mg/kg	48 Q	20
Selenium, Total	0.673J	1.37J	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	869	447	mg/kg	64 Q	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA

Project Number: 2182815.01

Lab Number: L1957157

Report Date: 12/06/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1316177-4 QC Sample: L1957151-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	52.7	46.1	mg/kg	13	20
Zinc, Total	38.5	37.8	mg/kg	2	20

INORGANICS & MISCELLANEOUS

Project Name: E. MAIN & LAURA

Lab Number: L1957157

Project Number: 2182815.01

Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-01

Date Collected: 11/26/19 09:25

Client ID: B-2

Date Received: 11/26/19

Sample Location: ROCHESTER, NY

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	90.1		%	0.100	NA	1	-	11/27/19 19:31	121,2540G	YA



Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-02
Client ID: B-1
Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 10:45
Date Received: 11/26/19
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	92.4		%	0.100	NA	1	-	11/27/19 19:31	121,2540G	YA



Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-03
Client ID: B-5
Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 12:10
Date Received: 11/26/19
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	88.4		%	0.100	NA	1	-	11/27/19 19:31	121,2540G	YA



Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-04
Client ID: B-6
Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 13:55
Date Received: 11/26/19
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	88.7		%	0.100	NA	1	-	11/27/19 19:31	121,2540G	YA



Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

SAMPLE RESULTS

Lab ID: L1957157-05
Client ID: B-3
Sample Location: ROCHESTER, NY

Date Collected: 11/26/19 15:00
Date Received: 11/26/19
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	88.8		%	0.100	NA	1	-	11/27/19 19:31	121,2540G	YA



Lab Duplicate Analysis

Batch Quality Control

Project Name: E. MAIN & LAURA

Project Number: 2182815.01

Lab Number: L1957157

Report Date: 12/06/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1314850-1 QC Sample: L1956964-01 Client ID: DUP Sample						
Solids, Total	79.0	80.0	%	1		20

Project Name: E. MAIN & LAURA**Lab Number:** L1957157**Project Number:** 2182815.01**Report Date:** 12/06/19**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(*)
L1957157-01A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW-R2(14)
L1957157-01B	Vial water preserved	A	NA		2.8	Y	Absent	27-NOV-19 12:22	NYTCL-8260HLW-R2(14)
L1957157-01C	Vial water preserved	A	NA		2.8	Y	Absent	27-NOV-19 12:22	NYTCL-8260HLW-R2(14)
L1957157-01D	Vial Large Septa unpreserved (4oz)	A	NA		2.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L1957157-01E	Vial Large Septa unpreserved (4oz)	A	NA		2.8	Y	Absent		NYCP51-PAH(14),TS(7)
L1957157-02A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW-R2(14)
L1957157-02B	Vial water preserved	A	NA		2.8	Y	Absent	27-NOV-19 12:22	NYTCL-8260HLW-R2(14)
L1957157-02C	Vial water preserved	A	NA		2.8	Y	Absent	27-NOV-19 12:22	NYTCL-8260HLW-R2(14)
L1957157-02D	Vial Large Septa unpreserved (4oz)	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L1957157-02E	Vial Large Septa unpreserved (4oz)	A	NA		2.8	Y	Absent		NYCP51-PAH(14),TS(7)
L1957157-03A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW-R2(14)
L1957157-03B	Vial water preserved	A	NA		2.8	Y	Absent	27-NOV-19 12:22	NYTCL-8260HLW-R2(14)
L1957157-03C	Vial water preserved	A	NA		2.8	Y	Absent	27-NOV-19 12:22	NYTCL-8260HLW-R2(14)
L1957157-03D	Vial Large Septa unpreserved (4oz)	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L1957157-03E	Vial Large Septa unpreserved (4oz)	A	NA		2.8	Y	Absent		NYCP51-PAH(14),TS(7)
L1957157-04A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW-R2(14)

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Serial_No:12061915:35
Lab Number: L1957157
Report Date: 12/06/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1957157-04B	Vial water preserved	A	NA		2.8	Y	Absent	27-NOV-19 12:22	NYTCL-8260HLW-R2(14)
L1957157-04C	Vial water preserved	A	NA		2.8	Y	Absent	27-NOV-19 12:22	NYTCL-8260HLW-R2(14)
L1957157-04D	Vial Large Septa unpreserved (4oz)	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),NA-TI(180),K-TI(180),CD-TI(180),CA-TI(180)
L1957157-04E	Vial Large Septa unpreserved (4oz)	A	NA		2.8	Y	Absent		NYCP51-PAH(14),TS(7)
L1957157-05A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW-R2(14)
L1957157-05B	Vial water preserved	A	NA		2.8	Y	Absent	27-NOV-19 12:22	NYTCL-8260HLW-R2(14)
L1957157-05C	Vial water preserved	A	NA		2.8	Y	Absent	27-NOV-19 12:22	NYTCL-8260HLW-R2(14)
L1957157-05D	Vial Large Septa unpreserved (4oz)	A	NA		2.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L1957157-05E	Vial Large Septa unpreserved (4oz)	A	NA		2.8	Y	Absent		NYCP51-PAH(14),TS(7)

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

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

Terms

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration 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.)

Report Format: DU Report with 'J' Qualifiers



Project Name: E. MAIN & LAURA

Lab Number: L1957157

Project Number: 2182815.01

Report Date: 12/06/19

Data Qualifiers

- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: E. MAIN & LAURA
Project Number: 2182815.01

Lab Number: L1957157
Report Date: 12/06/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.

Mansfield Facility:

Drinking Water

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

EPA 522.

Non-Potable Water


EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

	NEW YORK CHAIN OF CUSTODY	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	Date Rec'd in Lab 11/27/19	ALPHA Job # U951157																
			of 1																		
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	Project Information Project Name: E. Main & Laura Project Location: Rochester, NY Project # 2182815.01 (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQulS (1 File) <input type="checkbox"/> EQulS (4 File) <input type="checkbox"/> Other		Billing Information <input type="checkbox"/> Same as Client Info PO #															
Client Information Client: LaPallo Associates Address: 500 State St Suite 201 Rochester, NY 14086 Phone: (585) 402-7007 Fax: (585) 402-7007 Email: jpristach@lalopac.com		Project Manager: Don Noll ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:															
These samples have been previously analyzed by Alpha <input type="checkbox"/>			ANALYSIS			Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input type="checkbox"/> Lab to do (Please Specify below)															
Other project specific requirements/comments:			Total Bottles																		
Please specify Metals or TAL. TAL Metals			Sample Specific Comments																		
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials																
		Date	Time																		
57157-01	B-2	11-26-19	09:25	Soil	JP	X	X	X													
-02	B-1	11-26-19	10:45	Soil	JP	X	X	X													
-03	B-5	11-26-19	12:10	Soil	JP	X	X	X													
-04	B-6	11-26-19	13:35	Soil	JP	X	X	X													
-05	B-3	11-26-19	15:00	Soil	JP	X	X	X													
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type A A A															
						Preservative A A															
		Relinquished By: [Signature]		Date/Time: 11/26/19 16:05		Received By: [Signature]		Date/Time: 11/26/19 17:40													
		Relinquished By: [Signature]		Date/Time: 11/26/19 17:40		Received By: [Signature]		Date/Time: 11/27/19 00:58													
Form No: 01-25 HC (rev. 30-Sept-2013)												Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)									



ANALYTICAL REPORT

Lab Number:	L1960052
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Jared Pristach
Phone:	(585) 402-7004
Project Name:	E. MAIN/LAURA ST. PHASE II ESA
Project Number:	2182815.01
Report Date:	12/20/19

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

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



Project Name: E. MAIN/LAURA ST. PHASE II ESA

Lab Number: L1960052

Project Number: 2182815.01

Report Date: 12/20/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1960052-01	SB-09	SOIL	CITY OF ROCHESTER	12/09/19 10:00	12/13/19
L1960052-02	SB-10	SOIL	CITY OF ROCHESTER	12/09/19 10:30	12/13/19
L1960052-03	SB-11	SOIL	CITY OF ROCHESTER	12/09/19 11:30	12/13/19
L1960052-04	SB-12	SOIL	CITY OF ROCHESTER	12/09/19 13:20	12/13/19
L1960052-05	SB-13	SOIL	CITY OF ROCHESTER	12/09/19 13:40	12/13/19
L1960052-06	SB-14	SOIL	CITY OF ROCHESTER	12/09/19 14:10	12/13/19
L1960052-07	BW-02	SOIL	CITY OF ROCHESTER	12/10/19 09:30	12/13/19
L1960052-08	TP-13	SOIL	CITY OF ROCHESTER	12/12/19 09:45	12/13/19
L1960052-09	TP-14	SOIL	CITY OF ROCHESTER	12/12/19 10:35	12/13/19
L1960052-10	TP-15	SOIL	CITY OF ROCHESTER	12/12/19 11:45	12/13/19
L1960052-11	TP-16	SOIL	CITY OF ROCHESTER	12/12/19 12:15	12/13/19
L1960052-12	TP-17	SOIL	CITY OF ROCHESTER	12/12/19 13:15	12/13/19
L1960052-13	TP-18	SOIL	CITY OF ROCHESTER	12/12/19 14:10	12/13/19
L1960052-14	SS-05	SOIL	CITY OF ROCHESTER	12/11/19 13:45	12/13/19
L1960052-15	SS-06	SOIL	CITY OF ROCHESTER	12/11/19 13:50	12/13/19
L1960052-16	SS-07	SOIL	CITY OF ROCHESTER	12/11/19 13:55	12/13/19
L1960052-17	SS-08	SOIL	CITY OF ROCHESTER	12/11/19 14:05	12/13/19
L1960052-18	SS-09	SOIL	CITY OF ROCHESTER	12/11/19 14:10	12/13/19
L1960052-19	SS-10	SOIL	CITY OF ROCHESTER	12/11/19 14:15	12/13/19
L1960052-22	SS-11	SOIL	CITY OF ROCHESTER	12/11/19 14:20	12/13/19
L1960052-23	SS-12	SOIL	CITY OF ROCHESTER	12/11/19 14:25	12/13/19
L1960052-24	SS-13	SOIL	CITY OF ROCHESTER	12/11/19 14:35	12/13/19
L1960052-25	SS-14	SOIL	CITY OF ROCHESTER	12/11/19 14:30	12/13/19

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

Case Narrative

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

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

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

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

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

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

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

Case Narrative (continued)

Report Submission

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

Sample Receipt

L1960052-07: The container for the Total Solids analysis was not received. This was verified by the client.

Semivolatile Organics

L1960052-03 and -18: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

L1960052-01 through -06, -08 through -19, -22, -23, -24 and -25: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1321906-3 MS recovery, performed on L1960052-01, is outside the acceptance criteria for antimony (74%). A post digestion spike was performed and was within acceptance criteria.

The WG1321906-3 MS recoveries for calcium (492%), iron (0%), lead (0%) and magnesium (270%), performed on L1960052-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1321906-3 MS recoveries, performed on L1960052-01, are outside the acceptance criteria for chromium (72%), nickel (74%) and thallium (72%). A post digestion spike was performed and yielded unacceptable recoveries for chromium (77%), nickel (74%) and thallium (74%). The serial dilution recoveries were not applicable; therefore, these elements fail the matrix test and the results reported in the native sample should be considered estimated.

The WG1321906-3 MS recovery, performed on L1960052-01, is outside the acceptance criteria for copper (60%). A post digestion spike was performed and yielded an unacceptable recovery for copper (75%). The

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

Case Narrative (continued)

serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

The WG1321906-3 MS recovery, performed on L1960052-01, is outside the acceptance criteria for zinc (45%). A post digestion spike was performed and yielded an unacceptable recovery for zinc (77%). The serial dilution recovery was not acceptable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1321906-4 Laboratory Duplicate RPDs for lead (34%) and zinc (23%), performed on L1960052-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

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

Authorized Signature:  Melissa Sturgis

Title: Technical Director/Representative

Date: 12/20/19

ORGANICS

VOLATILES

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-01
 Client ID: SB-09
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 10:00
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/19/19 11:24
 Analyst: JC
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.96	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.96	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.96	0.12	1
Dibromochloromethane	ND		ug/kg	0.96	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	0.26	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.96	0.52	1
Ethylbenzene	ND		ug/kg	0.96	0.14	1
Chloromethane	ND		ug/kg	3.8	0.90	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.96	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.23	1
trans-1,2-Dichloroethene	0.28	J	ug/kg	1.4	0.13	1
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-01
Client ID: SB-09
Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 10:00
Date Received: 12/13/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.17	1
Styrene	ND		ug/kg	0.96	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.88	1
Acetone	ND		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	ND		ug/kg	9.6	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	1.2	1
2-Hexanone	ND		ug/kg	9.6	1.1	1
1,2-Dibromoethane	ND		ug/kg	0.96	0.27	1
n-Butylbenzene	ND		ug/kg	0.96	0.16	1
sec-Butylbenzene	ND		ug/kg	0.96	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.96	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
n-Propylbenzene	ND		ug/kg	0.96	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
Methyl Acetate	ND		ug/kg	3.8	0.91	1
Cyclohexane	ND		ug/kg	9.6	0.52	1
Freon-113	ND		ug/kg	3.8	0.67	1
Methyl cyclohexane	ND		ug/kg	3.8	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	102		70-130

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-02
 Client ID: SB-10
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 10:30
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/19/19 12:04
 Analyst: JC
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.86	0.12	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.86	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.86	0.11	1
Dibromochloromethane	ND		ug/kg	0.86	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.86	0.23	1
Tetrachloroethene	ND		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.59	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.86	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	0.14	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	0.14	1
Benzene	ND		ug/kg	0.43	0.14	1
Toluene	ND		ug/kg	0.86	0.46	1
Ethylbenzene	ND		ug/kg	0.86	0.12	1
Chloromethane	ND		ug/kg	3.4	0.80	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	ND		ug/kg	0.86	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.86	0.20	1
trans-1,2-Dichloroethene	0.24	J	ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.43	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-02
Client ID: SB-10
Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 10:30
Date Received: 12/13/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.48	1
o-Xylene	ND		ug/kg	0.86	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.86	0.15	1
Styrene	ND		ug/kg	0.86	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.6	0.78	1
Acetone	ND		ug/kg	8.6	4.1	1
Carbon disulfide	ND		ug/kg	8.6	3.9	1
2-Butanone	ND		ug/kg	8.6	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.6	1.1	1
2-Hexanone	ND		ug/kg	8.6	1.0	1
1,2-Dibromoethane	ND		ug/kg	0.86	0.24	1
n-Butylbenzene	ND		ug/kg	0.86	0.14	1
sec-Butylbenzene	ND		ug/kg	0.86	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.85	1
Isopropylbenzene	ND		ug/kg	0.86	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.86	0.09	1
Naphthalene	ND		ug/kg	3.4	0.56	1
n-Propylbenzene	ND		ug/kg	0.86	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.28	1
Methyl Acetate	ND		ug/kg	3.4	0.81	1
Cyclohexane	ND		ug/kg	8.6	0.46	1
Freon-113	ND		ug/kg	3.4	0.59	1
Methyl cyclohexane	ND		ug/kg	3.4	0.52	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-03
 Client ID: SB-11
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 11:30
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/19/19 12:43
 Analyst: JC
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.90	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.90	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.90	0.11	1
Dibromochloromethane	ND		ug/kg	0.90	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.90	0.24	1
Tetrachloroethene	ND		ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.90	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.45	0.15	1
Bromodichloromethane	ND		ug/kg	0.45	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.90	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	0.15	1
Benzene	ND		ug/kg	0.45	0.15	1
Toluene	ND		ug/kg	0.90	0.49	1
Ethylbenzene	ND		ug/kg	0.90	0.13	1
Chloromethane	ND		ug/kg	3.6	0.83	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.90	0.30	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.90	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-03
Client ID: SB-11
Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 11:30
Date Received: 12/13/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.90	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.90	0.16	1
Styrene	ND		ug/kg	0.90	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.0	0.82	1
Acetone	ND		ug/kg	9.0	4.3	1
Carbon disulfide	ND		ug/kg	9.0	4.1	1
2-Butanone	ND		ug/kg	9.0	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.0	1.1	1
2-Hexanone	ND		ug/kg	9.0	1.0	1
1,2-Dibromoethane	ND		ug/kg	0.90	0.25	1
n-Butylbenzene	ND		ug/kg	0.90	0.15	1
sec-Butylbenzene	ND		ug/kg	0.90	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.89	1
Isopropylbenzene	ND		ug/kg	0.90	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.90	0.10	1
Naphthalene	ND		ug/kg	3.6	0.58	1
n-Propylbenzene	ND		ug/kg	0.90	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
Methyl Acetate	ND		ug/kg	3.6	0.85	1
Cyclohexane	ND		ug/kg	9.0	0.49	1
Freon-113	ND		ug/kg	3.6	0.62	1
Methyl cyclohexane	ND		ug/kg	3.6	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	100		70-130

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-04
Client ID: SB-12
Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 13:20
Date Received: 12/13/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/19/19 13:23
Analyst: JC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.1	1.9	1
1,1-Dichloroethane	ND		ug/kg	0.82	0.12	1
Chloroform	ND		ug/kg	1.2	0.12	1
Carbon tetrachloride	ND		ug/kg	0.82	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.82	0.10	1
Dibromochloromethane	ND		ug/kg	0.82	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.82	0.22	1
Tetrachloroethene	ND		ug/kg	0.41	0.16	1
Chlorobenzene	ND		ug/kg	0.41	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.3	0.57	1
1,2-Dichloroethane	ND		ug/kg	0.82	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	0.41	0.14	1
Bromodichloromethane	ND		ug/kg	0.41	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.82	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	0.41	0.13	1
Bromoform	ND		ug/kg	3.3	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.41	0.14	1
Benzene	ND		ug/kg	0.41	0.14	1
Toluene	ND		ug/kg	0.82	0.45	1
Ethylbenzene	ND		ug/kg	0.82	0.12	1
Chloromethane	ND		ug/kg	3.3	0.77	1
Bromomethane	ND		ug/kg	1.6	0.48	1
Vinyl chloride	ND		ug/kg	0.82	0.28	1
Chloroethane	ND		ug/kg	1.6	0.37	1
1,1-Dichloroethene	ND		ug/kg	0.82	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.11	1
Trichloroethene	ND		ug/kg	0.41	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	0.12	1

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-04
Client ID: SB-12
Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 13:20
Date Received: 12/13/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.6	0.16	1
p/m-Xylene	ND		ug/kg	1.6	0.46	1
o-Xylene	ND		ug/kg	0.82	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.82	0.14	1
Styrene	ND		ug/kg	0.82	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.2	0.75	1
Acetone	ND		ug/kg	8.2	4.0	1
Carbon disulfide	ND		ug/kg	8.2	3.7	1
2-Butanone	ND		ug/kg	8.2	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.2	1.0	1
2-Hexanone	ND		ug/kg	8.2	0.97	1
1,2-Dibromoethane	ND		ug/kg	0.82	0.23	1
n-Butylbenzene	ND		ug/kg	0.82	0.14	1
sec-Butylbenzene	ND		ug/kg	0.82	0.12	1
tert-Butylbenzene	ND		ug/kg	1.6	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	0.82	1
Isopropylbenzene	ND		ug/kg	0.82	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.82	0.09	1
Naphthalene	ND		ug/kg	3.3	0.54	1
n-Propylbenzene	ND		ug/kg	0.82	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	0.28	1
Methyl Acetate	ND		ug/kg	3.3	0.78	1
Cyclohexane	ND		ug/kg	8.2	0.45	1
Freon-113	ND		ug/kg	3.3	0.57	1
Methyl cyclohexane	ND		ug/kg	3.3	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	100		70-130

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-05
 Client ID: SB-13
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 13:40
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/19/19 14:03
 Analyst: MV
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.90	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.90	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.90	0.11	1
Dibromochloromethane	ND		ug/kg	0.90	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.90	0.24	1
Tetrachloroethene	ND		ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.90	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.45	0.15	1
Bromodichloromethane	ND		ug/kg	0.45	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.90	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	0.15	1
Benzene	0.59		ug/kg	0.45	0.15	1
Toluene	1.2		ug/kg	0.90	0.49	1
Ethylbenzene	ND		ug/kg	0.90	0.13	1
Chloromethane	ND		ug/kg	3.6	0.84	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.90	0.30	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.90	0.21	1
trans-1,2-Dichloroethene	0.40	J	ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-05
Client ID: SB-13
Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 13:40
Date Received: 12/13/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	0.69	J	ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.90	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.90	0.16	1
Styrene	ND		ug/kg	0.90	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.0	0.82	1
Acetone	ND		ug/kg	9.0	4.3	1
Carbon disulfide	ND		ug/kg	9.0	4.1	1
2-Butanone	ND		ug/kg	9.0	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.0	1.2	1
2-Hexanone	ND		ug/kg	9.0	1.1	1
1,2-Dibromoethane	ND		ug/kg	0.90	0.25	1
n-Butylbenzene	ND		ug/kg	0.90	0.15	1
sec-Butylbenzene	ND		ug/kg	0.90	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.90	1
Isopropylbenzene	ND		ug/kg	0.90	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.90	0.10	1
Naphthalene	ND		ug/kg	3.6	0.58	1
n-Propylbenzene	ND		ug/kg	0.90	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
Methyl Acetate	2.4	J	ug/kg	3.6	0.85	1
Cyclohexane	ND		ug/kg	9.0	0.49	1
Freon-113	ND		ug/kg	3.6	0.62	1
Methyl cyclohexane	1.2	J	ug/kg	3.6	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	99		70-130

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-06
 Client ID: SB-14
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 14:10
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/19/19 14:43
 Analyst: MV
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.9	1.8	1
1,1-Dichloroethane	ND		ug/kg	0.77	0.11	1
Chloroform	ND		ug/kg	1.2	0.11	1
Carbon tetrachloride	ND		ug/kg	0.77	0.18	1
1,2-Dichloropropane	ND		ug/kg	0.77	0.10	1
Dibromochloromethane	ND		ug/kg	0.77	0.11	1
1,1,2-Trichloroethane	ND		ug/kg	0.77	0.21	1
Tetrachloroethene	ND		ug/kg	0.39	0.15	1
Chlorobenzene	ND		ug/kg	0.39	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.1	0.54	1
1,2-Dichloroethane	ND		ug/kg	0.77	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	0.39	0.13	1
Bromodichloromethane	ND		ug/kg	0.39	0.08	1
trans-1,3-Dichloropropene	ND		ug/kg	0.77	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	0.39	0.12	1
Bromoform	ND		ug/kg	3.1	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.39	0.13	1
Benzene	0.22	J	ug/kg	0.39	0.13	1
Toluene	0.50	J	ug/kg	0.77	0.42	1
Ethylbenzene	ND		ug/kg	0.77	0.11	1
Chloromethane	ND		ug/kg	3.1	0.72	1
Bromomethane	ND		ug/kg	1.5	0.45	1
Vinyl chloride	ND		ug/kg	0.77	0.26	1
Chloroethane	ND		ug/kg	1.5	0.35	1
1,1-Dichloroethene	ND		ug/kg	0.77	0.18	1
trans-1,2-Dichloroethene	0.70	J	ug/kg	1.2	0.11	1
Trichloroethene	ND		ug/kg	0.39	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	0.11	1

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-06
Client ID: SB-14
Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 14:10
Date Received: 12/13/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.5	0.11	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	0.13	1
Methyl tert butyl ether	ND		ug/kg	1.5	0.16	1
p/m-Xylene	ND		ug/kg	1.5	0.43	1
o-Xylene	ND		ug/kg	0.77	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	0.77	0.14	1
Styrene	ND		ug/kg	0.77	0.15	1
Dichlorodifluoromethane	ND		ug/kg	7.7	0.71	1
Acetone	ND		ug/kg	7.7	3.7	1
Carbon disulfide	ND		ug/kg	7.7	3.5	1
2-Butanone	ND		ug/kg	7.7	1.7	1
4-Methyl-2-pentanone	ND		ug/kg	7.7	0.99	1
2-Hexanone	ND		ug/kg	7.7	0.91	1
1,2-Dibromoethane	ND		ug/kg	0.77	0.22	1
n-Butylbenzene	ND		ug/kg	0.77	0.13	1
sec-Butylbenzene	ND		ug/kg	0.77	0.11	1
tert-Butylbenzene	ND		ug/kg	1.5	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	0.77	1
Isopropylbenzene	ND		ug/kg	0.77	0.08	1
p-Isopropyltoluene	ND		ug/kg	0.77	0.08	1
Naphthalene	ND		ug/kg	3.1	0.50	1
n-Propylbenzene	ND		ug/kg	0.77	0.13	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	0.26	1
Methyl Acetate	ND		ug/kg	3.1	0.74	1
Cyclohexane	ND		ug/kg	7.7	0.42	1
Freon-113	ND		ug/kg	3.1	0.54	1
Methyl cyclohexane	ND		ug/kg	3.1	0.47	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	102		70-130

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-07
 Client ID: BW-02
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/10/19 09:30
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/19/19 15:23
 Analyst: MV
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.0	1.4	1
1,1-Dichloroethane	ND		ug/kg	0.60	0.09	1
Chloroform	0.16	J	ug/kg	0.90	0.08	1
Carbon tetrachloride	ND		ug/kg	0.60	0.14	1
1,2-Dichloropropane	ND		ug/kg	0.60	0.08	1
Dibromochloromethane	ND		ug/kg	0.60	0.08	1
1,1,2-Trichloroethane	ND		ug/kg	0.60	0.16	1
Tetrachloroethene	ND		ug/kg	0.30	0.12	1
Chlorobenzene	ND		ug/kg	0.30	0.08	1
Trichlorofluoromethane	ND		ug/kg	2.4	0.42	1
1,2-Dichloroethane	ND		ug/kg	0.60	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	0.30	0.10	1
Bromodichloromethane	ND		ug/kg	0.30	0.07	1
trans-1,3-Dichloropropene	ND		ug/kg	0.60	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	0.30	0.10	1
Bromoform	ND		ug/kg	2.4	0.15	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.30	0.10	1
Benzene	ND		ug/kg	0.30	0.10	1
Toluene	ND		ug/kg	0.60	0.33	1
Ethylbenzene	ND		ug/kg	0.60	0.09	1
Chloromethane	ND		ug/kg	2.4	0.56	1
Bromomethane	ND		ug/kg	1.2	0.35	1
Vinyl chloride	ND		ug/kg	0.60	0.20	1
Chloroethane	ND		ug/kg	1.2	0.27	1
1,1-Dichloroethene	ND		ug/kg	0.60	0.14	1
trans-1,2-Dichloroethene	0.12	J	ug/kg	0.90	0.08	1
Trichloroethene	ND		ug/kg	0.30	0.08	1
1,2-Dichlorobenzene	ND		ug/kg	1.2	0.09	1

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-07
Client ID: BW-02
Sample Location: CITY OF ROCHESTER

Date Collected: 12/10/19 09:30
Date Received: 12/13/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.2	0.09	1
1,4-Dichlorobenzene	ND		ug/kg	1.2	0.10	1
Methyl tert butyl ether	ND		ug/kg	1.2	0.12	1
p/m-Xylene	ND		ug/kg	1.2	0.34	1
o-Xylene	ND		ug/kg	0.60	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	0.60	0.10	1
Styrene	ND		ug/kg	0.60	0.12	1
Dichlorodifluoromethane	ND		ug/kg	6.0	0.55	1
Acetone	3.6	J	ug/kg	6.0	2.9	1
Carbon disulfide	ND		ug/kg	6.0	2.7	1
2-Butanone	ND		ug/kg	6.0	1.3	1
4-Methyl-2-pentanone	ND		ug/kg	6.0	0.77	1
2-Hexanone	ND		ug/kg	6.0	0.71	1
1,2-Dibromoethane	ND		ug/kg	0.60	0.17	1
n-Butylbenzene	ND		ug/kg	0.60	0.10	1
sec-Butylbenzene	ND		ug/kg	0.60	0.09	1
tert-Butylbenzene	ND		ug/kg	1.2	0.07	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.8	0.60	1
Isopropylbenzene	ND		ug/kg	0.60	0.07	1
p-Isopropyltoluene	ND		ug/kg	0.60	0.07	1
Naphthalene	ND		ug/kg	2.4	0.39	1
n-Propylbenzene	ND		ug/kg	0.60	0.10	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.2	0.16	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.2	0.12	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.2	0.20	1
Methyl Acetate	ND		ug/kg	2.4	0.57	1
Cyclohexane	ND		ug/kg	6.0	0.33	1
Freon-113	ND		ug/kg	2.4	0.42	1
Methyl cyclohexane	ND		ug/kg	2.4	0.36	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	99		70-130

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-08
 Client ID: TP-13
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 09:45
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/19/19 16:03
 Analyst: MV
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.89	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.89	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.89	0.11	1
Dibromochloromethane	ND		ug/kg	0.89	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.89	0.24	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.89	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.89	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.15	1
Benzene	ND		ug/kg	0.44	0.15	1
Toluene	ND		ug/kg	0.89	0.48	1
Ethylbenzene	ND		ug/kg	0.89	0.12	1
Chloromethane	ND		ug/kg	3.6	0.83	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.89	0.30	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.89	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-08
Client ID: TP-13
Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 09:45
Date Received: 12/13/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.89	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.89	0.16	1
Styrene	ND		ug/kg	0.89	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.9	0.81	1
Acetone	ND		ug/kg	8.9	4.3	1
Carbon disulfide	ND		ug/kg	8.9	4.0	1
2-Butanone	ND		ug/kg	8.9	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	8.9	1.1	1
2-Hexanone	ND		ug/kg	8.9	1.0	1
1,2-Dibromoethane	ND		ug/kg	0.89	0.25	1
n-Butylbenzene	ND		ug/kg	0.89	0.15	1
sec-Butylbenzene	ND		ug/kg	0.89	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.89	1
Isopropylbenzene	ND		ug/kg	0.89	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.89	0.10	1
Naphthalene	ND		ug/kg	3.6	0.58	1
n-Propylbenzene	ND		ug/kg	0.89	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
Methyl Acetate	ND		ug/kg	3.6	0.84	1
Cyclohexane	ND		ug/kg	8.9	0.48	1
Freon-113	ND		ug/kg	3.6	0.62	1
Methyl cyclohexane	ND		ug/kg	3.6	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-09
 Client ID: TP-14
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 10:35
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/19/19 16:42
 Analyst: MV
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.86	0.12	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.86	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.86	0.11	1
Dibromochloromethane	ND		ug/kg	0.86	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.86	0.23	1
Tetrachloroethene	ND		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.86	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	0.14	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	0.14	1
Benzene	ND		ug/kg	0.43	0.14	1
Toluene	ND		ug/kg	0.86	0.46	1
Ethylbenzene	ND		ug/kg	0.86	0.12	1
Chloromethane	ND		ug/kg	3.4	0.80	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	ND		ug/kg	0.86	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.86	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.43	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-09
Client ID: TP-14
Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 10:35
Date Received: 12/13/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.48	1
o-Xylene	ND		ug/kg	0.86	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.86	0.15	1
Styrene	ND		ug/kg	0.86	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.6	0.78	1
Acetone	ND		ug/kg	8.6	4.1	1
Carbon disulfide	ND		ug/kg	8.6	3.9	1
2-Butanone	ND		ug/kg	8.6	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.6	1.1	1
2-Hexanone	ND		ug/kg	8.6	1.0	1
1,2-Dibromoethane	ND		ug/kg	0.86	0.24	1
n-Butylbenzene	ND		ug/kg	0.86	0.14	1
sec-Butylbenzene	ND		ug/kg	0.86	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.86	1
Isopropylbenzene	ND		ug/kg	0.86	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.86	0.09	1
Naphthalene	ND		ug/kg	3.4	0.56	1
n-Propylbenzene	ND		ug/kg	0.86	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
Methyl Acetate	1.9	J	ug/kg	3.4	0.81	1
Cyclohexane	ND		ug/kg	8.6	0.47	1
Freon-113	ND		ug/kg	3.4	0.59	1
Methyl cyclohexane	ND		ug/kg	3.4	0.52	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	101		70-130

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-10
 Client ID: TP-15
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 11:45
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/19/19 17:22
 Analyst: MV
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	0.84	J	ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-10
Client ID: TP-15
Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 11:45
Date Received: 12/13/19
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-11
 Client ID: TP-16
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 12:15
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/19/19 18:02
 Analyst: MV
 Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	0.31	J	ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-11
Client ID: TP-16
Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 12:15
Date Received: 12/13/19
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-12
 Client ID: TP-17
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 13:15
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/19/19 18:41
 Analyst: MV
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.3	1
1,1-Dichloroethane	ND		ug/kg	0.99	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.99	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.99	0.12	1
Dibromochloromethane	ND		ug/kg	0.99	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.99	0.54	1
Ethylbenzene	ND		ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	4.0	0.92	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.99	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.24	1
trans-1,2-Dichloroethene	0.57	J	ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.49	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-12
Client ID: TP-17
Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 13:15
Date Received: 12/13/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.99	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.17	1
Styrene	ND		ug/kg	0.99	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.90	1
Acetone	ND		ug/kg	9.9	4.8	1
Carbon disulfide	ND		ug/kg	9.9	4.5	1
2-Butanone	ND		ug/kg	9.9	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	1.3	1
2-Hexanone	ND		ug/kg	9.9	1.2	1
1,2-Dibromoethane	ND		ug/kg	0.99	0.28	1
n-Butylbenzene	ND		ug/kg	0.99	0.16	1
sec-Butylbenzene	ND		ug/kg	0.99	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.99	1
Isopropylbenzene	ND		ug/kg	0.99	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.11	1
Naphthalene	ND		ug/kg	4.0	0.64	1
n-Propylbenzene	ND		ug/kg	0.99	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
Methyl Acetate	ND		ug/kg	4.0	0.94	1
Cyclohexane	ND		ug/kg	9.9	0.54	1
Freon-113	ND		ug/kg	4.0	0.68	1
Methyl cyclohexane	ND		ug/kg	4.0	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	101		70-130

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-13
 Client ID: TP-18
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 14:10
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/19/19 19:21
 Analyst: MV
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.16	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	0.20	J	ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.93	0.50	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	0.33	J	ug/kg	1.4	0.13	1
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-13
Client ID: TP-18
Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 14:10
Date Received: 12/13/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.19	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.16	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	53		ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	11		ug/kg	9.3	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
n-Butylbenzene	ND		ug/kg	0.93	0.16	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.93	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
n-Propylbenzene	ND		ug/kg	0.93	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
Methyl Acetate	ND		ug/kg	3.7	0.88	1
Cyclohexane	ND		ug/kg	9.3	0.50	1
Freon-113	ND		ug/kg	3.7	0.64	1
Methyl cyclohexane	0.96	J	ug/kg	3.7	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/19/19 10:05
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-13 Batch: WG1323127-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/19/19 10:05
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-13 Batch: WG1323127-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/19/19 10:05
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-13 Batch: WG1323127-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA

Lab Number: L1960052

Project Number: 2182815.01

Report Date: 12/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-13 Batch: WG1323127-3 WG1323127-4								
Methylene chloride	100		90		70-130	11		30
1,1-Dichloroethane	109		98		70-130	11		30
Chloroform	99		91		70-130	8		30
Carbon tetrachloride	101		91		70-130	10		30
1,2-Dichloropropane	112		102		70-130	9		30
Dibromochloromethane	104		98		70-130	6		30
1,1,2-Trichloroethane	111		104		70-130	7		30
Tetrachloroethene	103		92		70-130	11		30
Chlorobenzene	100		90		70-130	11		30
Trichlorofluoromethane	98		87		70-139	12		30
1,2-Dichloroethane	106		98		70-130	8		30
1,1,1-Trichloroethane	103		92		70-130	11		30
Bromodichloromethane	100		92		70-130	8		30
trans-1,3-Dichloropropene	111		104		70-130	7		30
cis-1,3-Dichloropropene	104		96		70-130	8		30
Bromoform	115		110		70-130	4		30
1,1,2,2-Tetrachloroethane	107		101		70-130	6		30
Benzene	98		88		70-130	11		30
Toluene	103		94		70-130	9		30
Ethylbenzene	109		98		70-130	11		30
Chloromethane	93		79		52-130	16		30
Bromomethane	84		78		57-147	7		30
Vinyl chloride	84		72		67-130	15		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA

Lab Number: L1960052

Project Number: 2182815.01

Report Date: 12/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-13 Batch: WG1323127-3 WG1323127-4								
Chloroethane	101		90		50-151	12		30
1,1-Dichloroethene	95		84		65-135	12		30
trans-1,2-Dichloroethene	89		79		70-130	12		30
Trichloroethene	100		90		70-130	11		30
1,2-Dichlorobenzene	104		95		70-130	9		30
1,3-Dichlorobenzene	105		95		70-130	10		30
1,4-Dichlorobenzene	105		95		70-130	10		30
Methyl tert butyl ether	111		102		66-130	8		30
p/m-Xylene	105		94		70-130	11		30
o-Xylene	103		93		70-130	10		30
cis-1,2-Dichloroethene	102		93		70-130	9		30
Styrene	110		100		70-130	10		30
Dichlorodifluoromethane	81		69		30-146	16		30
Acetone	128		112		54-140	13		30
Carbon disulfide	86		75		59-130	14		30
2-Butanone	129		116		70-130	11		30
4-Methyl-2-pentanone	138	Q	129		70-130	7		30
2-Hexanone	135	Q	124		70-130	8		30
1,2-Dibromoethane	108		100		70-130	8		30
n-Butylbenzene	108		95		70-130	13		30
sec-Butylbenzene	104		93		70-130	11		30
tert-Butylbenzene	110		99		70-130	11		30
1,2-Dibromo-3-chloropropane	113		104		68-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA

Lab Number: L1960052

Project Number: 2182815.01

Report Date: 12/20/19

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-13 Batch: WG1323127-3 WG1323127-4								
Isopropylbenzene	109		99		70-130	10		30
p-Isopropyltoluene	110		99		70-130	11		30
Naphthalene	116		108		70-130	7		30
n-Propylbenzene	111		100		70-130	10		30
1,2,4-Trichlorobenzene	119		104		70-130	13		30
1,3,5-Trimethylbenzene	110		100		70-130	10		30
1,2,4-Trimethylbenzene	112		101		70-130	10		30
Methyl Acetate	136		126		51-146	8		30
Cyclohexane	121		105		59-142	14		30
Freon-113	100		89		50-139	12		30
Methyl cyclohexane	105		93		70-130	12		30

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		107		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	105		107		70-130
Dibromofluoromethane	97		98		70-130

SEMIVOLATILES

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-01
 Client ID: SB-09
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 10:00
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/19 00:02
 Analyst: IM
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Fluoranthene	320		ug/kg	120	23.	1
Benzo(a)anthracene	190		ug/kg	120	22.	1
Benzo(a)pyrene	180		ug/kg	160	49.	1
Benzo(b)fluoranthene	220		ug/kg	120	34.	1
Benzo(k)fluoranthene	63	J	ug/kg	120	32.	1
Chrysene	180		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	120	J	ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	160		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	28	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	160	28.	1
Pyrene	340		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	63		30-120
4-Terphenyl-d14	37		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-02
 Client ID: SB-10
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 10:30
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/18/19 23:13
 Analyst: EK
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Fluoranthene	38	J	ug/kg	120	22.	1
Benzo(a)anthracene	26	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	21	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	32	J	ug/kg	120	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	117		23-120
2-Fluorobiphenyl	82		30-120
4-Terphenyl-d14	72		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-03 D
 Client ID: SB-11
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 11:30
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/19 06:14
 Analyst: IM
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	540	J	ug/kg	780	100	5
Fluoranthene	15000		ug/kg	580	110	5
Benzo(a)anthracene	5600		ug/kg	580	110	5
Benzo(a)pyrene	5900		ug/kg	780	240	5
Benzo(b)fluoranthene	7900		ug/kg	580	160	5
Benzo(k)fluoranthene	2600		ug/kg	580	160	5
Chrysene	5600		ug/kg	580	100	5
Acenaphthylene	740	J	ug/kg	780	150	5
Anthracene	2500		ug/kg	580	190	5
Benzo(ghi)perylene	4000		ug/kg	780	110	5
Fluorene	1000		ug/kg	970	94.	5
Phenanthrene	9500		ug/kg	580	120	5
Dibenzo(a,h)anthracene	970		ug/kg	580	110	5
Indeno(1,2,3-cd)pyrene	4300		ug/kg	780	140	5
Pyrene	11000		ug/kg	580	96.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	38		23-120
2-Fluorobiphenyl	42		30-120
4-Terphenyl-d14	37		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-04
 Client ID: SB-12
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 13:20
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/19 01:35
 Analyst: IM
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Fluoranthene	22	J	ug/kg	110	22.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	21	J	ug/kg	110	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	79		30-120
4-Terphenyl-d14	53		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-05
 Client ID: SB-13
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 13:40
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/18/19 22:24
 Analyst: EK
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

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	18.	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	107		23-120
2-Fluorobiphenyl	87		30-120
4-Terphenyl-d14	60		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-06
 Client ID: SB-14
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 14:10
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/19 05:51
 Analyst: IM
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Fluoranthene	ND		ug/kg	110	21.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	23	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	20	J	ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	60		30-120
4-Terphenyl-d14	41		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-08
 Client ID: TP-13
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 09:45
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/18/19 22:48
 Analyst: EK
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Fluoranthene	ND		ug/kg	110	22.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	122	Q	23-120
2-Fluorobiphenyl	92		30-120
4-Terphenyl-d14	73		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-09
 Client ID: TP-14
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 10:35
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/18/19 22:00
 Analyst: EK
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Fluoranthene	ND		ug/kg	110	21.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	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	150	26.	1
Pyrene	ND		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	83		30-120
4-Terphenyl-d14	73		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-10
 Client ID: TP-15
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 11:45
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/19 01:12
 Analyst: IM
 Percent Solids: 82%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	22	J	ug/kg	160	21.	1
Fluoranthene	370		ug/kg	120	23.	1
Benzo(a)anthracene	170		ug/kg	120	22.	1
Benzo(a)pyrene	180		ug/kg	160	49.	1
Benzo(b)fluoranthene	230		ug/kg	120	34.	1
Benzo(k)fluoranthene	77	J	ug/kg	120	32.	1
Chrysene	160		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	49	J	ug/kg	120	39.	1
Benzo(ghi)perylene	130	J	ug/kg	160	23.	1
Fluorene	20	J	ug/kg	200	19.	1
Phenanthrene	220		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	27	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	130	J	ug/kg	160	28.	1
Pyrene	320		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	64		30-120
4-Terphenyl-d14	44		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-11
 Client ID: TP-16
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 12:15
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/19/19 22:29
 Analyst: IM
 Percent Solids: 79%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Fluoranthene	ND		ug/kg	120	24.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	170	24.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	29.	1
Pyrene	ND		ug/kg	120	21.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	71		30-120
4-Terphenyl-d14	54		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-12
 Client ID: TP-17
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 13:15
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/19/19 23:39
 Analyst: IM
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Fluoranthene	24	J	ug/kg	120	22.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	21	J	ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	59		30-120
4-Terphenyl-d14	42		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-13
 Client ID: TP-18
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 14:10
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/19 04:18
 Analyst: IM
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	71	J	ug/kg	150	19.	1
Fluoranthene	1300		ug/kg	110	21.	1
Benzo(a)anthracene	570		ug/kg	110	21.	1
Benzo(a)pyrene	570		ug/kg	150	45.	1
Benzo(b)fluoranthene	760		ug/kg	110	31.	1
Benzo(k)fluoranthene	280		ug/kg	110	30.	1
Chrysene	580		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	150		ug/kg	110	36.	1
Benzo(ghi)perylene	400		ug/kg	150	22.	1
Fluorene	64	J	ug/kg	190	18.	1
Phenanthrene	610		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	100	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	420		ug/kg	150	26.	1
Pyrene	1100		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	65		30-120
4-Terphenyl-d14	42		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-14 D
 Client ID: SS-05
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 13:45
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/19 13:24
 Analyst: CB
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	190	J	ug/kg	300	39.	2
Fluoranthene	9000		ug/kg	220	43.	2
Benzo(a)anthracene	5100		ug/kg	220	42.	2
Benzo(a)pyrene	4100		ug/kg	300	91.	2
Benzo(b)fluoranthene	5300		ug/kg	220	63.	2
Benzo(k)fluoranthene	1400		ug/kg	220	60.	2
Chrysene	3800		ug/kg	220	39.	2
Acenaphthylene	680		ug/kg	300	58.	2
Anthracene	1500		ug/kg	220	73.	2
Benzo(ghi)perylene	2600		ug/kg	300	44.	2
Fluorene	370		ug/kg	370	36.	2
Phenanthrene	4800		ug/kg	220	45.	2
Dibenzo(a,h)anthracene	730		ug/kg	220	43.	2
Indeno(1,2,3-cd)pyrene	3000		ug/kg	300	52.	2
Pyrene	7500		ug/kg	220	37.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	75		30-120
4-Terphenyl-d14	50		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-15
 Client ID: SS-06
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 13:50
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/19 03:31
 Analyst: IM
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	52	J	ug/kg	160	20.	1
Fluoranthene	1000		ug/kg	120	22.	1
Benzo(a)anthracene	520		ug/kg	120	22.	1
Benzo(a)pyrene	560		ug/kg	160	47.	1
Benzo(b)fluoranthene	730		ug/kg	120	33.	1
Benzo(k)fluoranthene	250		ug/kg	120	31.	1
Chrysene	530		ug/kg	120	20.	1
Acenaphthylene	76	J	ug/kg	160	30.	1
Anthracene	180		ug/kg	120	38.	1
Benzo(ghi)perylene	380		ug/kg	160	23.	1
Fluorene	76	J	ug/kg	190	19.	1
Phenanthrene	580		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	110	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	400		ug/kg	160	27.	1
Pyrene	880		ug/kg	120	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	70		30-120
4-Terphenyl-d14	73		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-16
 Client ID: SS-07
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 13:55
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/19 03:55
 Analyst: IM
 Percent Solids: 79%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	50	J	ug/kg	160	21.	1
Fluoranthene	2200		ug/kg	120	23.	1
Benzo(a)anthracene	930		ug/kg	120	23.	1
Benzo(a)pyrene	1000		ug/kg	160	50.	1
Benzo(b)fluoranthene	1500		ug/kg	120	34.	1
Benzo(k)fluoranthene	550		ug/kg	120	33.	1
Chrysene	1100		ug/kg	120	21.	1
Acenaphthylene	48	J	ug/kg	160	32.	1
Anthracene	130		ug/kg	120	40.	1
Benzo(ghi)perylene	780		ug/kg	160	24.	1
Fluorene	51	J	ug/kg	200	20.	1
Phenanthrene	840		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	210		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	850		ug/kg	160	28.	1
Pyrene	1800		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	64		30-120
4-Terphenyl-d14	54		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-17
 Client ID: SS-08
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 14:05
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/19 04:41
 Analyst: IM
 Percent Solids: 79%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	55	J	ug/kg	160	21.	1
Fluoranthene	1600		ug/kg	120	24.	1
Benzo(a)anthracene	720		ug/kg	120	23.	1
Benzo(a)pyrene	750		ug/kg	160	50.	1
Benzo(b)fluoranthene	1000		ug/kg	120	35.	1
Benzo(k)fluoranthene	380		ug/kg	120	33.	1
Chrysene	780		ug/kg	120	22.	1
Acenaphthylene	49	J	ug/kg	160	32.	1
Anthracene	150		ug/kg	120	40.	1
Benzo(ghi)perylene	620		ug/kg	160	24.	1
Fluorene	59	J	ug/kg	210	20.	1
Phenanthrene	710		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	150		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	600		ug/kg	160	29.	1
Pyrene	1300		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	57		30-120
4-Terphenyl-d14	43		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-18 D
 Client ID: SS-09
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 14:10
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/19 17:04
 Analyst: ALS
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	1500	200	10
Fluoranthene	ND		ug/kg	1100	220	10
Benzo(a)anthracene	ND		ug/kg	1100	210	10
Benzo(a)pyrene	ND		ug/kg	1500	460	10
Benzo(b)fluoranthene	ND		ug/kg	1100	320	10
Benzo(k)fluoranthene	ND		ug/kg	1100	300	10
Chrysene	ND		ug/kg	1100	200	10
Acenaphthylene	ND		ug/kg	1500	290	10
Anthracene	ND		ug/kg	1100	370	10
Benzo(ghi)perylene	ND		ug/kg	1500	220	10
Fluorene	ND		ug/kg	1900	180	10
Phenanthrene	ND		ug/kg	1100	230	10
Dibenzo(a,h)anthracene	ND		ug/kg	1100	220	10
Indeno(1,2,3-cd)pyrene	ND		ug/kg	1500	260	10
Pyrene	ND		ug/kg	1100	190	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	27		23-120
2-Fluorobiphenyl	25	Q	30-120
4-Terphenyl-d14	19		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-19
 Client ID: SS-10
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 14:15
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/19 00:48
 Analyst: IM
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
Fluoranthene	160		ug/kg	110	21.	1
Benzo(a)anthracene	100	J	ug/kg	110	20.	1
Benzo(a)pyrene	100	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	150		ug/kg	110	30.	1
Benzo(k)fluoranthene	57	J	ug/kg	110	29.	1
Chrysene	110		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	91	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	45	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	90	J	ug/kg	140	25.	1
Pyrene	140		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	60		30-120
4-Terphenyl-d14	34		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-22
 Client ID: SS-11
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 14:20
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/19 02:21
 Analyst: IM
 Percent Solids: 75%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Fluoranthene	780		ug/kg	130	25.	1
Benzo(a)anthracene	350		ug/kg	130	24.	1
Benzo(a)pyrene	410		ug/kg	170	53.	1
Benzo(b)fluoranthene	580		ug/kg	130	37.	1
Benzo(k)fluoranthene	200		ug/kg	130	35.	1
Chrysene	390		ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	170	34.	1
Anthracene	74	J	ug/kg	130	42.	1
Benzo(ghi)perylene	300		ug/kg	170	26.	1
Fluorene	21	J	ug/kg	220	21.	1
Phenanthrene	330		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	63	J	ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	310		ug/kg	170	30.	1
Pyrene	630		ug/kg	130	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	58		30-120
4-Terphenyl-d14	42		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-23
 Client ID: SS-12
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 14:25
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/19 05:28
 Analyst: IM
 Percent Solids: 78%

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	130	J	ug/kg	170	22.	1
Fluoranthene	6700		ug/kg	130	24.	1
Benzo(a)anthracene	2500		ug/kg	130	24.	1
Benzo(a)pyrene	2500		ug/kg	170	52.	1
Benzo(b)fluoranthene	3400		ug/kg	130	36.	1
Benzo(k)fluoranthene	1500		ug/kg	130	34.	1
Chrysene	2800		ug/kg	130	22.	1
Acenaphthylene	230		ug/kg	170	33.	1
Anthracene	680		ug/kg	130	41.	1
Benzo(ghi)perylene	1800		ug/kg	170	25.	1
Fluorene	230		ug/kg	210	21.	1
Phenanthrene	3300		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	500		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	1900		ug/kg	170	30.	1
Pyrene	5100		ug/kg	130	21.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	56		30-120
4-Terphenyl-d14	39		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-24
 Client ID: SS-13
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 14:35
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/19 03:08
 Analyst: IM
 Percent Solids: 77%

Extraction Method: EPA 3546
 Extraction Date: 12/16/19 00:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	30	J	ug/kg	170	22.	1
Fluoranthene	730		ug/kg	130	24.	1
Benzo(a)anthracene	350		ug/kg	130	24.	1
Benzo(a)pyrene	360		ug/kg	170	51.	1
Benzo(b)fluoranthene	470		ug/kg	130	35.	1
Benzo(k)fluoranthene	200		ug/kg	130	34.	1
Chrysene	370		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	82	J	ug/kg	130	41.	1
Benzo(ghi)perylene	280		ug/kg	170	25.	1
Fluorene	25	J	ug/kg	210	20.	1
Phenanthrene	360		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	73	J	ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	270		ug/kg	170	29.	1
Pyrene	600		ug/kg	130	21.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	37		30-120
4-Terphenyl-d14	26		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-25
 Client ID: SS-14
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 14:30
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/19 02:45
 Analyst: IM
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 12/16/19 00:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Fluoranthene	1000		ug/kg	110	22.	1
Benzo(a)anthracene	410		ug/kg	110	22.	1
Benzo(a)pyrene	490		ug/kg	150	46.	1
Benzo(b)fluoranthene	640		ug/kg	110	32.	1
Benzo(k)fluoranthene	270		ug/kg	110	30.	1
Chrysene	470		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	95	J	ug/kg	110	37.	1
Benzo(ghi)perylene	410		ug/kg	150	22.	1
Fluorene	24	J	ug/kg	190	18.	1
Phenanthrene	480		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	75	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	420		ug/kg	150	27.	1
Pyrene	860		ug/kg	110	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	49		30-120
4-Terphenyl-d14	42		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 1,8270D
 Analytical Date: 12/16/19 22:39
 Analyst: ALS

Extraction Method: EPA 3546
 Extraction Date: 12/15/19 01:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08-19,22-23 Batch: WG1320945-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	99	19.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	65		30-120
4-Terphenyl-d14	78		18-120

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 12/18/19 15:50
 Analyst: JG

Extraction Method: EPA 3546
 Extraction Date: 12/16/19 00:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 24-25 Batch: WG1321054-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	97	18.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	66		30-120
4-Terphenyl-d14	66		18-120

Lab Control Sample Analysis Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08-19,22-23 Batch: WG1320945-2 WG1320945-3								
Acenaphthene	86		92		31-137	7		50
Fluoranthene	91		96		40-140	5		50
Benzo(a)anthracene	83		88		40-140	6		50
Benzo(a)pyrene	88		94		40-140	7		50
Benzo(b)fluoranthene	90		94		40-140	4		50
Benzo(k)fluoranthene	89		97		40-140	9		50
Chrysene	87		92		40-140	6		50
Acenaphthylene	84		90		40-140	7		50
Anthracene	85		90		40-140	6		50
Benzo(ghi)perylene	91		95		40-140	4		50
Fluorene	88		94		40-140	7		50
Phenanthrene	84		88		40-140	5		50
Dibenzo(a,h)anthracene	90		95		40-140	5		50
Indeno(1,2,3-cd)pyrene	90		94		40-140	4		50
Pyrene	89		92		35-142	3		50

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	79		86		23-120
2-Fluorobiphenyl	60		64		30-120
4-Terphenyl-d14	71		75		18-120



Lab Control Sample Analysis Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 24-25 Batch: WG1321054-2 WG1321054-3								
Acenaphthene	70		72		31-137	3		50
Fluoranthene	68		74		40-140	8		50
Benzo(a)anthracene	68		74		40-140	8		50
Benzo(a)pyrene	68		74		40-140	8		50
Benzo(b)fluoranthene	69		75		40-140	8		50
Benzo(k)fluoranthene	67		74		40-140	10		50
Chrysene	65		72		40-140	10		50
Acenaphthylene	72		76		40-140	5		50
Anthracene	71		75		40-140	5		50
Benzo(ghi)perylene	72		79		40-140	9		50
Fluorene	72		77		40-140	7		50
Phenanthrene	64		69		40-140	8		50
Dibenzo(a,h)anthracene	75		82		40-140	9		50
Indeno(1,2,3-cd)pyrene	75		82		40-140	9		50
Pyrene	64		70		35-142	9		50

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	65		67		23-120
2-Fluorobiphenyl	64		64		30-120
4-Terphenyl-d14	63		64		18-120



METALS

Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-01
 Client ID: SB-09
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 10:00
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5520		mg/kg	9.34	2.52	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Antimony, Total	1.09	J	mg/kg	4.67	0.355	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Arsenic, Total	9.36		mg/kg	0.934	0.194	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Barium, Total	69.9		mg/kg	0.934	0.162	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Beryllium, Total	0.336	J	mg/kg	0.467	0.031	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.934	0.092	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Calcium, Total	15800		mg/kg	9.34	3.27	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Chromium, Total	9.78		mg/kg	0.934	0.090	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Cobalt, Total	4.62		mg/kg	1.87	0.155	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Copper, Total	47.9		mg/kg	0.934	0.241	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Iron, Total	12800		mg/kg	4.67	0.843	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Lead, Total	212		mg/kg	4.67	0.250	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Magnesium, Total	7280		mg/kg	9.34	1.44	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Manganese, Total	347		mg/kg	0.934	0.148	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Mercury, Total	0.149		mg/kg	0.092	0.060	1	12/16/19 23:58	12/18/19 21:22	EPA 7471B	1,7471B	GD
Nickel, Total	9.15		mg/kg	2.33	0.226	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Potassium, Total	465		mg/kg	233	13.4	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Selenium, Total	0.476	J	mg/kg	1.87	0.241	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Silver, Total	0.430	J	mg/kg	0.934	0.264	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Sodium, Total	98.8	J	mg/kg	187	2.94	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.87	0.294	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Vanadium, Total	13.8		mg/kg	0.934	0.190	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC
Zinc, Total	130		mg/kg	4.67	0.274	2	12/17/19 21:55	12/19/19 21:59	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-02

Date Collected: 12/09/19 10:30

Client ID: SB-10

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4130		mg/kg	8.92	2.41	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Antimony, Total	0.464	J	mg/kg	4.46	0.339	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Arsenic, Total	4.72		mg/kg	0.892	0.185	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Barium, Total	45.6		mg/kg	0.892	0.155	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Beryllium, Total	0.223	J	mg/kg	0.446	0.029	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.892	0.087	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Calcium, Total	30000		mg/kg	8.92	3.12	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Chromium, Total	6.27		mg/kg	0.892	0.086	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Cobalt, Total	3.46		mg/kg	1.78	0.148	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Copper, Total	12.2		mg/kg	0.892	0.230	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Iron, Total	8680		mg/kg	4.46	0.805	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Lead, Total	19.5		mg/kg	4.46	0.239	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Magnesium, Total	7010		mg/kg	8.92	1.37	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Manganese, Total	325		mg/kg	0.892	0.142	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.076	0.050	1	12/16/19 23:58	12/18/19 21:24	EPA 7471B	1,7471B	GD
Nickel, Total	6.54		mg/kg	2.23	0.216	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Potassium, Total	356		mg/kg	223	12.8	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Selenium, Total	0.339	J	mg/kg	1.78	0.230	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.892	0.252	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Sodium, Total	60.6	J	mg/kg	178	2.81	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.78	0.281	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Vanadium, Total	11.0		mg/kg	0.892	0.181	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC
Zinc, Total	38.3		mg/kg	4.46	0.261	2	12/17/19 21:55	12/19/19 22:38	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-03

Date Collected: 12/09/19 11:30

Client ID: SB-11

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2090		mg/kg	9.01	2.43	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Antimony, Total	0.910	J	mg/kg	4.51	0.342	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Arsenic, Total	10.3		mg/kg	0.901	0.187	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Barium, Total	63.6		mg/kg	0.901	0.157	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Beryllium, Total	0.243	J	mg/kg	0.451	0.030	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Cadmium, Total	0.451	J	mg/kg	0.901	0.088	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Calcium, Total	48000		mg/kg	9.01	3.15	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Chromium, Total	6.67		mg/kg	0.901	0.087	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Cobalt, Total	3.19		mg/kg	1.80	0.150	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Copper, Total	31.4		mg/kg	0.901	0.232	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Iron, Total	9370		mg/kg	4.51	0.814	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Lead, Total	211		mg/kg	4.51	0.242	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Magnesium, Total	28000		mg/kg	9.01	1.39	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Manganese, Total	162		mg/kg	0.901	0.143	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Mercury, Total	0.114		mg/kg	0.092	0.060	1	12/16/19 23:58	12/18/19 21:26	EPA 7471B	1,7471B	GD
Nickel, Total	7.41		mg/kg	2.25	0.218	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Potassium, Total	202	J	mg/kg	225	13.0	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Selenium, Total	0.559	J	mg/kg	1.80	0.232	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.901	0.255	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Sodium, Total	85.0	J	mg/kg	180	2.84	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.80	0.284	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Vanadium, Total	9.42		mg/kg	0.901	0.183	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC
Zinc, Total	153		mg/kg	4.51	0.264	2	12/17/19 21:55	12/19/19 22:42	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-04

Date Collected: 12/09/19 13:20

Client ID: SB-12

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3940		mg/kg	8.86	2.39	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Antimony, Total	0.336	J	mg/kg	4.43	0.336	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Arsenic, Total	3.72		mg/kg	0.886	0.184	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Barium, Total	27.8		mg/kg	0.886	0.154	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Beryllium, Total	0.212	J	mg/kg	0.443	0.029	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.886	0.087	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Calcium, Total	13900		mg/kg	8.86	3.10	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Chromium, Total	5.64		mg/kg	0.886	0.085	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Cobalt, Total	3.56		mg/kg	1.77	0.147	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Copper, Total	14.5		mg/kg	0.886	0.228	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Iron, Total	9750		mg/kg	4.43	0.800	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Lead, Total	16.0		mg/kg	4.43	0.237	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Magnesium, Total	3540		mg/kg	8.86	1.36	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Manganese, Total	357		mg/kg	0.886	0.141	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.075	0.049	1	12/16/19 23:58	12/18/19 21:27	EPA 7471B	1,7471B	GD
Nickel, Total	6.09		mg/kg	2.21	0.214	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Potassium, Total	342		mg/kg	221	12.8	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.77	0.228	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.886	0.251	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Sodium, Total	34.7	J	mg/kg	177	2.79	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.77	0.279	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Vanadium, Total	9.96		mg/kg	0.886	0.180	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC
Zinc, Total	41.9		mg/kg	4.43	0.259	2	12/17/19 21:55	12/19/19 22:47	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-05

Date Collected: 12/09/19 13:40

Client ID: SB-13

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

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											
Aluminum, Total	1250		mg/kg	8.50	2.30	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.25	0.323	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Arsenic, Total	2.19		mg/kg	0.850	0.177	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Barium, Total	15.3		mg/kg	0.850	0.148	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Beryllium, Total	0.085	J	mg/kg	0.425	0.028	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.850	0.083	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Calcium, Total	76100		mg/kg	8.50	2.98	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Chromium, Total	3.81		mg/kg	0.850	0.082	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Cobalt, Total	1.82		mg/kg	1.70	0.141	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Copper, Total	4.13		mg/kg	0.850	0.219	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Iron, Total	7200		mg/kg	4.25	0.768	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Lead, Total	15.8		mg/kg	4.25	0.228	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Magnesium, Total	38000		mg/kg	8.50	1.31	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Manganese, Total	221		mg/kg	0.850	0.135	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.072	0.047	1	12/16/19 23:58	12/18/19 21:29	EPA 7471B	1,7471B	GD
Nickel, Total	2.66		mg/kg	2.12	0.206	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Potassium, Total	313		mg/kg	212	12.2	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.70	0.219	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.850	0.240	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Sodium, Total	91.9	J	mg/kg	170	2.68	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.70	0.268	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Vanadium, Total	4.88		mg/kg	0.850	0.172	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC
Zinc, Total	28.6		mg/kg	4.25	0.249	2	12/17/19 21:55	12/19/19 22:51	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-06

Date Collected: 12/09/19 14:10

Client ID: SB-14

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2520		mg/kg	8.93	2.41	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.47	0.339	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Arsenic, Total	2.63		mg/kg	0.893	0.186	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Barium, Total	19.0		mg/kg	0.893	0.155	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Beryllium, Total	0.125	J	mg/kg	0.447	0.030	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.893	0.088	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Calcium, Total	47800		mg/kg	8.93	3.13	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Chromium, Total	4.63		mg/kg	0.893	0.086	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Cobalt, Total	2.44		mg/kg	1.79	0.148	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Copper, Total	9.36		mg/kg	0.893	0.230	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Iron, Total	7260		mg/kg	4.47	0.807	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Lead, Total	14.3		mg/kg	4.47	0.239	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Magnesium, Total	19600		mg/kg	8.93	1.38	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Manganese, Total	306		mg/kg	0.893	0.142	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.085	0.055	1	12/16/19 23:58	12/18/19 21:31	EPA 7471B	1,7471B	GD
Nickel, Total	4.62		mg/kg	2.23	0.216	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Potassium, Total	264		mg/kg	223	12.9	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.79	0.230	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.893	0.253	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Sodium, Total	79.6	J	mg/kg	179	2.81	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.79	0.281	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Vanadium, Total	7.94		mg/kg	0.893	0.181	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC
Zinc, Total	29.8		mg/kg	4.47	0.262	2	12/17/19 21:55	12/19/19 22:57	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-08

Date Collected: 12/12/19 09:45

Client ID: TP-13

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2910		mg/kg	9.17	2.48	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Antimony, Total	0.403	J	mg/kg	4.58	0.348	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Arsenic, Total	3.90		mg/kg	0.917	0.191	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Barium, Total	18.6		mg/kg	0.917	0.160	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Beryllium, Total	0.266	J	mg/kg	0.458	0.030	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.917	0.090	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Calcium, Total	61900		mg/kg	9.17	3.21	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Chromium, Total	4.78		mg/kg	0.917	0.088	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Cobalt, Total	3.80		mg/kg	1.83	0.152	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Copper, Total	9.44		mg/kg	0.917	0.236	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Iron, Total	10100		mg/kg	4.58	0.828	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Lead, Total	8.93		mg/kg	4.58	0.246	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Magnesium, Total	27800		mg/kg	9.17	1.41	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Manganese, Total	320		mg/kg	0.917	0.146	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.080	0.052	1	12/16/19 22:45	12/18/19 18:09	EPA 7471B	1,7471B	GD
Nickel, Total	6.30		mg/kg	2.29	0.222	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Potassium, Total	673		mg/kg	229	13.2	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.83	0.236	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.917	0.259	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Sodium, Total	89.1	J	mg/kg	183	2.89	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.83	0.289	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Vanadium, Total	6.70		mg/kg	0.917	0.186	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC
Zinc, Total	32.7		mg/kg	4.58	0.269	2	12/17/19 21:55	12/19/19 23:01	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-09

Date Collected: 12/12/19 10:35

Client ID: TP-14

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2780		mg/kg	8.57	2.31	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.28	0.326	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Arsenic, Total	2.15		mg/kg	0.857	0.178	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Barium, Total	14.9		mg/kg	0.857	0.149	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Beryllium, Total	0.128	J	mg/kg	0.428	0.028	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.857	0.084	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Calcium, Total	28600		mg/kg	8.57	3.00	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Chromium, Total	4.42		mg/kg	0.857	0.082	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Cobalt, Total	3.27		mg/kg	1.71	0.142	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Copper, Total	9.10		mg/kg	0.857	0.221	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Iron, Total	7350		mg/kg	4.28	0.774	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Lead, Total	3.63	J	mg/kg	4.28	0.230	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Magnesium, Total	12600		mg/kg	8.57	1.32	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Manganese, Total	274		mg/kg	0.857	0.136	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.082	0.053	1	12/16/19 22:45	12/18/19 18:10	EPA 7471B	1,7471B	GD
Nickel, Total	5.23		mg/kg	2.14	0.207	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Potassium, Total	312		mg/kg	214	12.3	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Selenium, Total	0.231	J	mg/kg	1.71	0.221	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.857	0.242	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Sodium, Total	68.2	J	mg/kg	171	2.70	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.71	0.270	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Vanadium, Total	7.61		mg/kg	0.857	0.174	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC
Zinc, Total	24.9		mg/kg	4.28	0.251	2	12/17/19 21:55	12/19/19 23:06	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA

Lab Number: L1960052

Project Number: 2182815.01

Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-10

Date Collected: 12/12/19 11:45

Client ID: TP-15

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5300		mg/kg	9.74	2.63	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Antimony, Total	0.672	J	mg/kg	4.87	0.370	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Arsenic, Total	5.64		mg/kg	0.974	0.202	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Barium, Total	62.4		mg/kg	0.974	0.169	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Beryllium, Total	0.321	J	mg/kg	0.487	0.032	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.974	0.095	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Calcium, Total	12700		mg/kg	9.74	3.41	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Chromium, Total	7.06		mg/kg	0.974	0.094	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Cobalt, Total	4.60		mg/kg	1.95	0.162	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Copper, Total	18.2		mg/kg	0.974	0.251	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Iron, Total	10400		mg/kg	4.87	0.879	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Lead, Total	318		mg/kg	4.87	0.261	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Magnesium, Total	4600		mg/kg	9.74	1.50	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Manganese, Total	371		mg/kg	0.974	0.155	2	12/17/19 21:55	12/20/19 01:35	EPA 3050B	1,6010D	MC
Mercury, Total	0.292		mg/kg	0.082	0.054	1	12/16/19 22:45	12/18/19 18:12	EPA 7471B	1,7471B	GD
Nickel, Total	7.62		mg/kg	2.43	0.236	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Potassium, Total	408		mg/kg	243	14.0	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Selenium, Total	0.282	J	mg/kg	1.95	0.251	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.974	0.276	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Sodium, Total	124	J	mg/kg	195	3.07	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.95	0.307	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Vanadium, Total	11.6		mg/kg	0.974	0.198	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC
Zinc, Total	95.4		mg/kg	4.87	0.285	2	12/17/19 21:55	12/19/19 23:23	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-11
 Client ID: TP-16
 Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 12:15
 Date Received: 12/13/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6200		mg/kg	9.64	2.60	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Antimony, Total	0.550	J	mg/kg	4.82	0.366	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Arsenic, Total	5.91		mg/kg	0.964	0.201	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Barium, Total	51.4		mg/kg	0.964	0.168	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Beryllium, Total	0.473	J	mg/kg	0.482	0.032	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.964	0.095	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Calcium, Total	5620		mg/kg	9.64	3.38	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Chromium, Total	9.36		mg/kg	0.964	0.093	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Cobalt, Total	4.89		mg/kg	1.93	0.160	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Copper, Total	15.8		mg/kg	0.964	0.249	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Iron, Total	14600		mg/kg	4.82	0.871	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Lead, Total	12.1		mg/kg	4.82	0.258	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Magnesium, Total	3420		mg/kg	9.64	1.48	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Manganese, Total	509		mg/kg	0.964	0.153	2	12/17/19 21:55	12/20/19 01:39	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.106	0.069	1	12/16/19 22:45	12/18/19 18:14	EPA 7471B	1,7471B	GD
Nickel, Total	9.17		mg/kg	2.41	0.233	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Potassium, Total	671		mg/kg	241	13.9	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.93	0.249	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.964	0.273	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Sodium, Total	53.4	J	mg/kg	193	3.04	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.93	0.304	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Vanadium, Total	12.6		mg/kg	0.964	0.196	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC
Zinc, Total	42.4		mg/kg	4.82	0.283	2	12/17/19 21:55	12/19/19 23:28	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-12

Date Collected: 12/12/19 13:15

Client ID: TP-17

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6110		mg/kg	9.01	2.43	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Antimony, Total	0.352	J	mg/kg	4.51	0.342	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Arsenic, Total	3.51		mg/kg	0.901	0.187	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Barium, Total	40.4		mg/kg	0.901	0.157	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Beryllium, Total	0.324	J	mg/kg	0.451	0.030	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.901	0.088	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Calcium, Total	1270		mg/kg	9.01	3.15	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Chromium, Total	6.64		mg/kg	0.901	0.087	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Cobalt, Total	3.74		mg/kg	1.80	0.150	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Copper, Total	7.01		mg/kg	0.901	0.232	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Iron, Total	10600		mg/kg	4.51	0.814	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Lead, Total	12.8		mg/kg	4.51	0.242	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Magnesium, Total	1350		mg/kg	9.01	1.39	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Manganese, Total	545		mg/kg	0.901	0.143	2	12/17/19 21:55	12/20/19 01:43	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.074	0.048	1	12/17/19 04:20	12/18/19 14:28	EPA 7471B	1,7471B	GD
Nickel, Total	5.20		mg/kg	2.25	0.218	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Potassium, Total	290		mg/kg	225	13.0	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Selenium, Total	0.315	J	mg/kg	1.80	0.232	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.901	0.255	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Sodium, Total	88.7	J	mg/kg	180	2.84	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.80	0.284	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Vanadium, Total	12.6		mg/kg	0.901	0.183	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC
Zinc, Total	31.4		mg/kg	4.51	0.264	2	12/17/19 21:55	12/19/19 23:32	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-13

Date Collected: 12/12/19 14:10

Client ID: TP-18

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3920		mg/kg	8.53	2.30	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Antimony, Total	0.469	J	mg/kg	4.26	0.324	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Arsenic, Total	4.42		mg/kg	0.853	0.177	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Barium, Total	35.0		mg/kg	0.853	0.148	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Beryllium, Total	0.273	J	mg/kg	0.426	0.028	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.853	0.084	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Calcium, Total	51600		mg/kg	8.53	2.98	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Chromium, Total	6.71		mg/kg	0.853	0.082	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Cobalt, Total	3.50		mg/kg	1.70	0.142	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Copper, Total	19.9		mg/kg	0.853	0.220	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Iron, Total	9570		mg/kg	4.26	0.770	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Lead, Total	57.8		mg/kg	4.26	0.228	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Magnesium, Total	16700		mg/kg	8.53	1.31	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Manganese, Total	265		mg/kg	0.853	0.136	2	12/17/19 21:55	12/20/19 01:48	EPA 3050B	1,6010D	MC
Mercury, Total	0.053	J	mg/kg	0.071	0.047	1	12/17/19 04:20	12/18/19 14:30	EPA 7471B	1,7471B	GD
Nickel, Total	6.72		mg/kg	2.13	0.206	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Potassium, Total	600		mg/kg	213	12.3	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Selenium, Total	0.264	J	mg/kg	1.70	0.220	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.853	0.241	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Sodium, Total	239		mg/kg	170	2.69	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.70	0.269	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Vanadium, Total	9.30		mg/kg	0.853	0.173	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC
Zinc, Total	53.0		mg/kg	4.26	0.250	2	12/17/19 21:55	12/19/19 23:36	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-14

Date Collected: 12/11/19 13:45

Client ID: SS-05

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4200		mg/kg	8.78	2.37	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Antimony, Total	1.13	J	mg/kg	4.39	0.334	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Arsenic, Total	8.44		mg/kg	0.878	0.183	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Barium, Total	80.4		mg/kg	0.878	0.153	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Beryllium, Total	0.263	J	mg/kg	0.439	0.029	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Cadmium, Total	0.167	J	mg/kg	0.878	0.086	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Calcium, Total	34900		mg/kg	8.78	3.07	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Chromium, Total	7.58		mg/kg	0.878	0.084	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Cobalt, Total	4.06		mg/kg	1.76	0.146	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Copper, Total	50.4		mg/kg	0.878	0.226	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Iron, Total	11800		mg/kg	4.39	0.793	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Lead, Total	158		mg/kg	4.39	0.235	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Magnesium, Total	11700		mg/kg	8.78	1.35	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Manganese, Total	446		mg/kg	0.878	0.140	2	12/17/19 21:55	12/20/19 01:52	EPA 3050B	1,6010D	MC
Mercury, Total	0.379		mg/kg	0.072	0.047	1	12/17/19 04:20	12/18/19 14:32	EPA 7471B	1,7471B	GD
Nickel, Total	6.84		mg/kg	2.20	0.212	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Potassium, Total	453		mg/kg	220	12.6	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Selenium, Total	0.843	J	mg/kg	1.76	0.226	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.878	0.248	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Sodium, Total	83.3	J	mg/kg	176	2.76	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.76	0.276	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Vanadium, Total	13.6		mg/kg	0.878	0.178	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC
Zinc, Total	145		mg/kg	4.39	0.257	2	12/17/19 21:55	12/19/19 23:41	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA

Lab Number: L1960052

Project Number: 2182815.01

Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-15

Date Collected: 12/11/19 13:50

Client ID: SS-06

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4400		mg/kg	9.46	2.55	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Antimony, Total	0.539	J	mg/kg	4.73	0.359	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Arsenic, Total	4.78		mg/kg	0.946	0.197	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Barium, Total	54.0		mg/kg	0.946	0.164	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Beryllium, Total	0.255	J	mg/kg	0.473	0.031	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.946	0.093	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Calcium, Total	24200		mg/kg	9.46	3.31	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Chromium, Total	7.98		mg/kg	0.946	0.091	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Cobalt, Total	3.78		mg/kg	1.89	0.157	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Copper, Total	39.8		mg/kg	0.946	0.244	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Iron, Total	9900		mg/kg	4.73	0.854	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Lead, Total	115		mg/kg	4.73	0.253	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Magnesium, Total	10000		mg/kg	9.46	1.46	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Manganese, Total	254		mg/kg	0.946	0.150	2	12/17/19 21:55	12/20/19 01:56	EPA 3050B	1,6010D	MC
Mercury, Total	0.350		mg/kg	0.074	0.048	1	12/17/19 04:20	12/18/19 14:33	EPA 7471B	1,7471B	GD
Nickel, Total	6.98		mg/kg	2.36	0.229	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Potassium, Total	486		mg/kg	236	13.6	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Selenium, Total	0.473	J	mg/kg	1.89	0.244	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.946	0.268	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Sodium, Total	84.8	J	mg/kg	189	2.98	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.89	0.298	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Vanadium, Total	12.2		mg/kg	0.946	0.192	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC
Zinc, Total	119		mg/kg	4.73	0.277	2	12/17/19 21:55	12/19/19 23:45	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-16

Date Collected: 12/11/19 13:55

Client ID: SS-07

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3530		mg/kg	9.78	2.64	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Antimony, Total	1.02	J	mg/kg	4.89	0.371	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Arsenic, Total	7.48		mg/kg	0.978	0.203	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Barium, Total	450		mg/kg	0.978	0.170	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Beryllium, Total	0.293	J	mg/kg	0.489	0.032	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Cadmium, Total	0.166	J	mg/kg	0.978	0.096	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Calcium, Total	29300		mg/kg	9.78	3.42	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Chromium, Total	8.04		mg/kg	0.978	0.094	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Cobalt, Total	3.46		mg/kg	1.96	0.162	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Copper, Total	46.1		mg/kg	0.978	0.252	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Iron, Total	11400		mg/kg	4.89	0.883	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Lead, Total	194		mg/kg	4.89	0.262	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Magnesium, Total	15700		mg/kg	9.78	1.50	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Manganese, Total	316		mg/kg	0.978	0.155	2	12/17/19 21:55	12/20/19 02:01	EPA 3050B	1,6010D	MC
Mercury, Total	0.497		mg/kg	0.079	0.052	1	12/17/19 04:20	12/18/19 14:35	EPA 7471B	1,7471B	GD
Nickel, Total	6.98		mg/kg	2.44	0.236	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Potassium, Total	369		mg/kg	244	14.1	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Selenium, Total	0.596	J	mg/kg	1.96	0.252	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.978	0.277	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Sodium, Total	94.4	J	mg/kg	196	3.08	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.96	0.308	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Vanadium, Total	11.3		mg/kg	0.978	0.198	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC
Zinc, Total	169		mg/kg	4.89	0.286	2	12/17/19 21:55	12/19/19 23:49	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-17

Date Collected: 12/11/19 14:05

Client ID: SS-08

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3760		mg/kg	9.97	2.69	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Antimony, Total	2.00	J	mg/kg	4.98	0.379	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Arsenic, Total	9.23		mg/kg	0.997	0.207	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Barium, Total	82.7		mg/kg	0.997	0.174	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Beryllium, Total	0.339	J	mg/kg	0.498	0.033	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Cadmium, Total	0.638	J	mg/kg	0.997	0.098	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Calcium, Total	21000		mg/kg	9.97	3.49	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Chromium, Total	12.2		mg/kg	0.997	0.096	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Cobalt, Total	3.72		mg/kg	1.99	0.166	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Copper, Total	47.3		mg/kg	0.997	0.257	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Iron, Total	13300		mg/kg	4.98	0.900	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Lead, Total	336		mg/kg	4.98	0.267	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Magnesium, Total	9160		mg/kg	9.97	1.54	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Manganese, Total	312		mg/kg	0.997	0.158	2	12/17/19 21:55	12/20/19 02:05	EPA 3050B	1,6010D	MC
Mercury, Total	0.417		mg/kg	0.081	0.053	1	12/17/19 04:20	12/18/19 14:37	EPA 7471B	1,7471B	GD
Nickel, Total	9.15		mg/kg	2.49	0.241	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Potassium, Total	664		mg/kg	249	14.4	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Selenium, Total	1.06	J	mg/kg	1.99	0.257	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Silver, Total	0.449	J	mg/kg	0.997	0.282	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Sodium, Total	90.4	J	mg/kg	199	3.14	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.99	0.314	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Vanadium, Total	13.4		mg/kg	0.997	0.202	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC
Zinc, Total	471		mg/kg	4.98	0.292	2	12/17/19 21:55	12/19/19 23:54	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-18

Date Collected: 12/11/19 14:10

Client ID: SS-09

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3120		mg/kg	9.23	2.49	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Antimony, Total	1.16	J	mg/kg	4.62	0.351	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Arsenic, Total	6.15		mg/kg	0.923	0.192	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Barium, Total	45.6		mg/kg	0.923	0.161	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Beryllium, Total	0.222	J	mg/kg	0.462	0.031	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Cadmium, Total	0.166	J	mg/kg	0.923	0.091	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Calcium, Total	9560		mg/kg	9.23	3.23	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Chromium, Total	8.36		mg/kg	0.923	0.089	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Cobalt, Total	3.43		mg/kg	1.85	0.153	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Copper, Total	28.4		mg/kg	0.923	0.238	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Iron, Total	10800		mg/kg	4.62	0.834	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Lead, Total	141		mg/kg	4.62	0.247	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Magnesium, Total	5330		mg/kg	9.23	1.42	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Manganese, Total	307		mg/kg	0.923	0.147	2	12/17/19 21:55	12/20/19 02:09	EPA 3050B	1,6010D	MC
Mercury, Total	0.082		mg/kg	0.073	0.048	1	12/17/19 04:20	12/18/19 14:39	EPA 7471B	1,7471B	GD
Nickel, Total	13.6		mg/kg	2.31	0.223	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Potassium, Total	558		mg/kg	231	13.3	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Selenium, Total	0.480	J	mg/kg	1.85	0.238	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.923	0.261	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Sodium, Total	46.6	J	mg/kg	185	2.91	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.85	0.291	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Vanadium, Total	10.1		mg/kg	0.923	0.187	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC
Zinc, Total	139		mg/kg	4.62	0.270	2	12/17/19 21:55	12/19/19 23:58	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-19

Date Collected: 12/11/19 14:15

Client ID: SS-10

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

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											
Aluminum, Total	1700		mg/kg	8.61	2.32	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Antimony, Total	0.474	J	mg/kg	4.30	0.327	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Arsenic, Total	5.50		mg/kg	0.861	0.179	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Barium, Total	29.7		mg/kg	0.861	0.150	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Beryllium, Total	0.181	J	mg/kg	0.430	0.028	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.861	0.084	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Calcium, Total	79100		mg/kg	8.61	3.01	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Chromium, Total	4.19		mg/kg	0.861	0.083	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Cobalt, Total	1.93		mg/kg	1.72	0.143	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Copper, Total	17.2		mg/kg	0.861	0.222	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Iron, Total	8460		mg/kg	4.30	0.777	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Lead, Total	65.6		mg/kg	4.30	0.231	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Magnesium, Total	43100		mg/kg	8.61	1.32	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Manganese, Total	222		mg/kg	0.861	0.137	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Mercury, Total	0.061	J	mg/kg	0.069	0.045	1	12/17/19 04:20	12/18/19 15:27	EPA 7471B	1,7471B	GD
Nickel, Total	3.68		mg/kg	2.15	0.208	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Potassium, Total	417		mg/kg	215	12.4	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Selenium, Total	0.560	J	mg/kg	1.72	0.222	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.861	0.244	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Sodium, Total	114	J	mg/kg	172	2.71	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.72	0.271	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Vanadium, Total	7.00		mg/kg	0.861	0.175	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC
Zinc, Total	44.8		mg/kg	4.30	0.252	2	12/17/19 21:55	12/20/19 02:27	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-22

Date Collected: 12/11/19 14:20

Client ID: SS-11

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4680		mg/kg	10.2	2.76	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Antimony, Total	1.08	J	mg/kg	5.11	0.389	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Arsenic, Total	11.7		mg/kg	1.02	0.213	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Barium, Total	60.9		mg/kg	1.02	0.178	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Beryllium, Total	0.348	J	mg/kg	0.511	0.034	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Cadmium, Total	0.133	J	mg/kg	1.02	0.100	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Calcium, Total	8930		mg/kg	10.2	3.58	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Chromium, Total	10.1		mg/kg	1.02	0.098	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Cobalt, Total	4.29		mg/kg	2.04	0.170	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Copper, Total	31.5		mg/kg	1.02	0.264	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Iron, Total	12200		mg/kg	5.11	0.924	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Lead, Total	145		mg/kg	5.11	0.274	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Magnesium, Total	4080		mg/kg	10.2	1.58	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Manganese, Total	315		mg/kg	1.02	0.163	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Mercury, Total	0.212		mg/kg	0.084	0.055	1	12/17/19 04:20	12/18/19 15:30	EPA 7471B	1,7471B	GD
Nickel, Total	9.16		mg/kg	2.56	0.248	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Potassium, Total	815		mg/kg	256	14.7	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Selenium, Total	1.49	J	mg/kg	2.04	0.264	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.02	0.289	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Sodium, Total	47.1	J	mg/kg	204	3.22	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.04	0.322	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Vanadium, Total	14.2		mg/kg	1.02	0.208	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC
Zinc, Total	179		mg/kg	5.11	0.300	2	12/17/19 21:55	12/20/19 02:32	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-23

Date Collected: 12/11/19 14:25

Client ID: SS-12

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3410		mg/kg	10.1	2.72	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Antimony, Total	0.835	J	mg/kg	5.03	0.382	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Arsenic, Total	10.6		mg/kg	1.01	0.209	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Barium, Total	117		mg/kg	1.01	0.175	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Beryllium, Total	0.171	J	mg/kg	0.503	0.033	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Cadmium, Total	1.33		mg/kg	1.01	0.099	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Calcium, Total	16300		mg/kg	10.1	3.52	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Chromium, Total	10.3		mg/kg	1.01	0.097	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Cobalt, Total	3.47		mg/kg	2.01	0.167	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Copper, Total	34.0		mg/kg	1.01	0.260	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Iron, Total	9790		mg/kg	5.03	0.909	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Lead, Total	368		mg/kg	5.03	0.270	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Magnesium, Total	3440		mg/kg	10.1	1.55	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Manganese, Total	266		mg/kg	1.01	0.160	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Mercury, Total	0.208		mg/kg	0.081	0.053	1	12/17/19 04:20	12/18/19 15:32	EPA 7471B	1,7471B	GD
Nickel, Total	12.7		mg/kg	2.52	0.244	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Potassium, Total	772		mg/kg	252	14.5	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Selenium, Total	0.705	J	mg/kg	2.01	0.260	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Silver, Total	0.443	J	mg/kg	1.01	0.285	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Sodium, Total	49.9	J	mg/kg	201	3.17	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.01	0.317	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Vanadium, Total	11.3		mg/kg	1.01	0.204	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC
Zinc, Total	216		mg/kg	5.03	0.295	2	12/18/19 08:25	12/19/19 21:03	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-24

Date Collected: 12/11/19 14:35

Client ID: SS-13

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5360		mg/kg	10.1	2.72	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Antimony, Total	0.817	J	mg/kg	5.04	0.383	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Arsenic, Total	9.16		mg/kg	1.01	0.210	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Barium, Total	122		mg/kg	1.01	0.176	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Beryllium, Total	0.373	J	mg/kg	0.504	0.033	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Cadmium, Total	1.45		mg/kg	1.01	0.099	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Calcium, Total	4410		mg/kg	10.1	3.53	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Chromium, Total	11.5		mg/kg	1.01	0.097	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Cobalt, Total	4.74		mg/kg	2.02	0.168	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Copper, Total	37.7		mg/kg	1.01	0.260	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Iron, Total	13300		mg/kg	5.04	0.911	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Lead, Total	347		mg/kg	5.04	0.270	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Magnesium, Total	1740		mg/kg	10.1	1.55	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Manganese, Total	328		mg/kg	1.01	0.160	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Mercury, Total	0.293		mg/kg	0.081	0.053	1	12/17/19 04:20	12/18/19 15:34	EPA 7471B	1,7471B	GD
Nickel, Total	10.4		mg/kg	2.52	0.244	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Potassium, Total	536		mg/kg	252	14.5	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	2.02	0.260	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Silver, Total	0.343	J	mg/kg	1.01	0.286	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Sodium, Total	43.1	J	mg/kg	202	3.18	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.02	0.318	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Vanadium, Total	16.1		mg/kg	1.01	0.205	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC
Zinc, Total	253		mg/kg	5.04	0.296	2	12/18/19 08:25	12/19/19 21:07	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**SAMPLE RESULTS**

Lab ID: L1960052-25

Date Collected: 12/11/19 14:30

Client ID: SS-14

Date Received: 12/13/19

Sample Location: CITY OF ROCHESTER

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4960		mg/kg	8.90	2.40	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.45	0.338	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Arsenic, Total	3.44		mg/kg	0.890	0.185	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Barium, Total	65.5		mg/kg	0.890	0.155	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Beryllium, Total	0.169	J	mg/kg	0.445	0.029	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Cadmium, Total	0.685	J	mg/kg	0.890	0.087	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Calcium, Total	16400		mg/kg	8.90	3.12	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Chromium, Total	9.62		mg/kg	0.890	0.085	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Cobalt, Total	4.56		mg/kg	1.78	0.148	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Copper, Total	14.3		mg/kg	0.890	0.230	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Iron, Total	10100		mg/kg	4.45	0.804	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Lead, Total	138		mg/kg	4.45	0.238	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Magnesium, Total	4020		mg/kg	8.90	1.37	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Manganese, Total	285		mg/kg	0.890	0.142	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Mercury, Total	0.141		mg/kg	0.073	0.048	1	12/17/19 04:20	12/18/19 15:35	EPA 7471B	1,7471B	GD
Nickel, Total	7.97		mg/kg	2.22	0.215	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Potassium, Total	366		mg/kg	222	12.8	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.78	0.230	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.890	0.252	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Sodium, Total	70.4	J	mg/kg	178	2.80	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.78	0.280	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Vanadium, Total	13.7		mg/kg	0.890	0.181	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC
Zinc, Total	74.7		mg/kg	4.45	0.261	2	12/18/19 08:25	12/19/19 21:11	EPA 3050B	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

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): 08-11 Batch: WG1321471-1									
Mercury, Total	ND	mg/kg	0.083	0.054	1	12/16/19 22:45	12/18/19 17:26	1,7471B	GD

Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1321476-1									
Mercury, Total	ND	mg/kg	0.083	0.054	1	12/16/19 23:58	12/18/19 20:41	1,7471B	GD

Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 12-19,22-25 Batch: WG1321530-1									
Mercury, Total	ND	mg/kg	0.083	0.054	1	12/17/19 04:20	12/18/19 10:48	1,7471B	GD

Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06,08-19,22 Batch: WG1321906-1									
Aluminum, Total	ND	mg/kg	4.00	1.08	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Antimony, Total	ND	mg/kg	2.00	0.152	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Arsenic, Total	ND	mg/kg	0.400	0.083	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Barium, Total	ND	mg/kg	0.400	0.070	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Beryllium, Total	ND	mg/kg	0.200	0.013	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

Method Blank Analysis Batch Quality Control

Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Iron, Total	ND		mg/kg	2.00	0.361	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Manganese, Total	0.108	J	mg/kg	0.400	0.064	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Potassium, Total	ND		mg/kg	100	5.76	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Sodium, Total	ND		mg/kg	80.0	1.26	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/17/19 21:55	12/19/19 21:37	1,6010D	MC

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): 23-25 Batch: WG1322130-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Antimony, Total	ND		mg/kg	2.00	0.152	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Barium, Total	ND		mg/kg	0.400	0.070	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Beryllium, Total	ND		mg/kg	0.200	0.013	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Calcium, Total	ND		mg/kg	4.00	1.40	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Cobalt, Total	ND		mg/kg	0.800	0.066	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Copper, Total	ND		mg/kg	0.400	0.103	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Iron, Total	0.780	J	mg/kg	2.00	0.361	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Lead, Total	ND		mg/kg	2.00	0.107	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE



Project Name: E. MAIN/LAURA ST. PHASE II ESA

Lab Number: L1960052

Project Number: 2182815.01

Report Date: 12/20/19

Method Blank Analysis Batch Quality Control

Magnesium, Total	ND		mg/kg	4.00	0.616	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Manganese, Total	ND		mg/kg	0.400	0.064	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Potassium, Total	ND		mg/kg	100	5.76	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Silver, Total	ND		mg/kg	0.400	0.113	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Sodium, Total	2.81	J	mg/kg	80.0	1.26	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/18/19 08:25	12/18/19 10:17	1,6010D	PE

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08-11 Batch: WG1321471-2 SRM Lot Number: D105-540								
Mercury, Total	79		-		60-141	-		
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1321476-2 SRM Lot Number: D105-540								
Mercury, Total	72		-		60-141	-		
Total Metals - Mansfield Lab Associated sample(s): 12-19,22-25 Batch: WG1321530-2 SRM Lot Number: D105-540								
Mercury, Total	118		-		60-141	-		



Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA

Lab Number: L1960052

Project Number: 2182815.01

Report Date: 12/20/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06,08-19,22 Batch: WG1321906-2 SRM Lot Number: D105-540					
Aluminum, Total	58	-	51-149	-	
Antimony, Total	138	-	19-249	-	
Arsenic, Total	102	-	70-130	-	
Barium, Total	91	-	75-125	-	
Beryllium, Total	94	-	75-125	-	
Cadmium, Total	87	-	75-125	-	
Calcium, Total	87	-	73-127	-	
Chromium, Total	91	-	70-130	-	
Cobalt, Total	95	-	75-125	-	
Copper, Total	98	-	75-125	-	
Iron, Total	82	-	38-162	-	
Lead, Total	94	-	71-128	-	
Magnesium, Total	80	-	63-137	-	
Manganese, Total	84	-	76-124	-	
Nickel, Total	94	-	70-131	-	
Potassium, Total	80	-	60-140	-	
Selenium, Total	99	-	63-137	-	
Silver, Total	93	-	69-131	-	
Sodium, Total	102	-	37-162	-	
Thallium, Total	96	-	68-132	-	
Vanadium, Total	87	-	65-135	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA

Lab Number: L1960052

Project Number: 2182815.01

Report Date: 12/20/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06,08-19,22 Batch: WG1321906-2 SRM Lot Number: D105-540					
Zinc, Total	94	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA

Lab Number: L1960052

Project Number: 2182815.01

Report Date: 12/20/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 23-25 Batch: WG1322130-2 SRM Lot Number: D105-540					
Aluminum, Total	61	-	51-149	-	
Antimony, Total	144	-	19-249	-	
Arsenic, Total	94	-	70-130	-	
Barium, Total	75	-	75-125	-	
Beryllium, Total	85	-	75-125	-	
Cadmium, Total	90	-	75-125	-	
Calcium, Total	91	-	73-127	-	
Chromium, Total	80	-	70-130	-	
Cobalt, Total	90	-	75-125	-	
Copper, Total	81	-	75-125	-	
Iron, Total	58	-	38-162	-	
Lead, Total	90	-	71-128	-	
Magnesium, Total	63	-	63-137	-	
Manganese, Total	90	-	76-124	-	
Nickel, Total	89	-	70-131	-	
Potassium, Total	60	-	60-140	-	
Selenium, Total	94	-	63-137	-	
Silver, Total	83	-	69-131	-	
Sodium, Total	88	-	37-162	-	
Thallium, Total	90	-	68-132	-	
Vanadium, Total	76	-	65-135	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA

Lab Number: L1960052

Project Number: 2182815.01

Report Date: 12/20/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 23-25 Batch: WG1322130-2 SRM Lot Number: D105-540					
Zinc, Total	89	-	70-130	-	

Matrix Spike Analysis Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

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): 08-11 QC Batch ID: WG1321471-3 QC Sample: L1959768-01 Client ID: MS Sample												
Mercury, Total	0.059J	0.177	0.223	126	Q	-	-		80-120	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1321476-3 WG1321476-4 QC Sample: L1959845-01 Client ID: MS Sample												
Mercury, Total	0.083J	0.189	0.193	102		0.218	112		80-120	12		20
Total Metals - Mansfield Lab Associated sample(s): 12-19,22-25 QC Batch ID: WG1321530-3 QC Sample: L1957904-01 Client ID: MS Sample												
Mercury, Total	7.94	0.127	6.16	0	Q	-	-		80-120	-		20

Matrix Spike Analysis Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06,08-19,22 QC Batch ID: WG1321906-3 QC Sample: L1960052-01 Client ID: SB-09									
Aluminum, Total	5520	187	5730	112	-	-	75-125	-	20
Antimony, Total	1.09J	46.8	34.7	74	Q	-	75-125	-	20
Arsenic, Total	9.36	11.2	18.6	82	-	-	75-125	-	20
Barium, Total	69.9	187	222	81	-	-	75-125	-	20
Beryllium, Total	0.336J	4.68	4.16	89	-	-	75-125	-	20
Cadmium, Total	ND	4.77	3.74	78	-	-	75-125	-	20
Calcium, Total	15800	935	20400	492	Q	-	75-125	-	20
Chromium, Total	9.78	18.7	23.2	72	Q	-	75-125	-	20
Cobalt, Total	4.62	46.8	40.8	77	-	-	75-125	-	20
Copper, Total	47.9	23.4	62.0	60	Q	-	75-125	-	20
Iron, Total	12800	93.5	12300	0	Q	-	75-125	-	20
Lead, Total	212	47.7	185	0	Q	-	75-125	-	20
Magnesium, Total	7280	935	9810	270	Q	-	75-125	-	20
Manganese, Total	347	46.8	404	122	-	-	75-125	-	20
Nickel, Total	9.15	46.8	44.0	74	Q	-	75-125	-	20
Potassium, Total	465	935	1280	87	-	-	75-125	-	20
Selenium, Total	0.476J	11.2	9.90	88	-	-	75-125	-	20
Silver, Total	0.430J	28	24.1	86	-	-	75-125	-	20
Sodium, Total	98.8J	935	938	100	-	-	75-125	-	20
Thallium, Total	ND	11.2	8.05	72	Q	-	75-125	-	20
Vanadium, Total	13.8	46.8	49.3	76	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06,08-19,22 QC Batch ID: WG1321906-3 QC Sample: L1960052-01 Client ID: SB-09									
Zinc, Total	130	46.8	151	45	Q	-	75-125	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 23-25 QC Batch ID: WG1322130-3 QC Sample: L1960527-01 Client ID: MS Sample									
Aluminum, Total	6500	165	6980	291	Q	-	75-125	-	20
Antimony, Total	0.383J	41.2	37.8	92		-	75-125	-	20
Arsenic, Total	3.26	9.88	13.1	100		-	75-125	-	20
Barium, Total	25.0	165	176	92		-	75-125	-	20
Beryllium, Total	0.283J	4.12	4.08	99		-	75-125	-	20
Cadmium, Total	0.808J	4.2	4.56	108		-	75-125	-	20
Calcium, Total	12100	824	16600	546	Q	-	75-125	-	20
Chromium, Total	12.5	16.5	26.4	84		-	75-125	-	20
Cobalt, Total	6.40	41.2	43.4	90		-	75-125	-	20
Copper, Total	17.6	20.6	38.2	100		-	75-125	-	20
Iron, Total	14800	82.4	15500	850	Q	-	75-125	-	20
Lead, Total	8.50	42	45.3	88		-	75-125	-	20
Magnesium, Total	4450	824	7620	385	Q	-	75-125	-	20
Manganese, Total	432	41.2	506	180	Q	-	75-125	-	20
Nickel, Total	14.2	41.2	49.0	84		-	75-125	-	20
Potassium, Total	498	824	1280	95		-	75-125	-	20
Selenium, Total	ND	9.88	9.29	94		-	75-125	-	20
Silver, Total	ND	24.7	25.6	104		-	75-125	-	20
Sodium, Total	207	824	1000	96		-	75-125	-	20
Thallium, Total	ND	9.88	7.96	80		-	75-125	-	20
Vanadium, Total	11.9	41.2	51.2	95		-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 23-25 QC Batch ID: WG1322130-3 QC Sample: L1960527-01 Client ID: MS Sample									
Zinc, Total	49.2	41.2	81.2	78	-	-	75-125	-	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: E. MAIN/LAURA ST. PHASE II ESA

Project Number: 2182815.01

Lab Number: L1960052

Report Date: 12/20/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08-11 QC Batch ID: WG1321471-4 QC Sample: L1959768-01 Client ID: DUP Sample						
Mercury, Total	0.059J	0.127	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 12-19,22-25 QC Batch ID: WG1321530-4 QC Sample: L1957904-01 Client ID: DUP Sample						
Mercury, Total	7.94	5.59	mg/kg	35	Q	20



Lab Duplicate Analysis

Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA

Project Number: 2182815.01

Lab Number: L1960052

Report Date: 12/20/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06,08-19,22 QC Batch ID: WG1321906-4 QC Sample: L1960052-01 Client ID: SB-09					
Aluminum, Total	5520	5300	mg/kg	4	20
Antimony, Total	1.09J	1.26J	mg/kg	NC	20
Arsenic, Total	9.36	9.03	mg/kg	4	20
Barium, Total	69.9	63.6	mg/kg	9	20
Beryllium, Total	0.336J	0.325J	mg/kg	NC	20
Cadmium, Total	ND	ND	mg/kg	NC	20
Calcium, Total	15800	16300	mg/kg	3	20
Chromium, Total	9.78	8.13	mg/kg	18	20
Cobalt, Total	4.62	4.56	mg/kg	1	20
Copper, Total	47.9	41.3	mg/kg	15	20
Iron, Total	12800	12400	mg/kg	3	20
Lead, Total	212	151	mg/kg	34	Q 20
Magnesium, Total	7280	6480	mg/kg	12	20
Manganese, Total	347	350	mg/kg	1	20
Nickel, Total	9.15	8.59	mg/kg	6	20
Potassium, Total	465	468	mg/kg	1	20
Selenium, Total	0.476J	0.335J	mg/kg	NC	20
Silver, Total	0.430J	ND	mg/kg	NC	20
Sodium, Total	98.8J	96.2J	mg/kg	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA

Project Number: 2182815.01

Lab Number: L1960052

Report Date: 12/20/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06,08-19,22 QC Batch ID: WG1321906-4 QC Sample: L1960052-01 Client ID: SB-09					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	13.8	12.7	mg/kg	8	20
Zinc, Total	130	103	mg/kg	23	20

Lab Duplicate Analysis Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 23-25 QC Batch ID: WG1322130-4 QC Sample: L1960527-01 Client ID: DUP Sample					
Aluminum, Total	6500	6020	mg/kg	8	20
Antimony, Total	0.383J	ND	mg/kg	NC	20
Arsenic, Total	3.26	3.36	mg/kg	3	20
Barium, Total	25.0	18.0	mg/kg	33 Q	20
Beryllium, Total	0.283J	0.239J	mg/kg	NC	20
Cadmium, Total	0.808J	0.751J	mg/kg	NC	20
Calcium, Total	12100	8940	mg/kg	30 Q	20
Chromium, Total	12.5	9.70	mg/kg	25 Q	20
Cobalt, Total	6.40	6.38	mg/kg	0	20
Copper, Total	17.6	16.0	mg/kg	10	20
Iron, Total	14800	13800	mg/kg	7	20
Lead, Total	8.50	8.95	mg/kg	5	20
Magnesium, Total	4450	3670	mg/kg	19	20
Manganese, Total	432	426	mg/kg	1	20
Nickel, Total	14.2	13.8	mg/kg	3	20
Potassium, Total	498	429	mg/kg	15	20
Selenium, Total	ND	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	207	190	mg/kg	9	20



Lab Duplicate Analysis

Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA

Project Number: 2182815.01

Lab Number: L1960052

Report Date: 12/20/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 23-25 QC Batch ID: WG1322130-4 QC Sample: L1960527-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	11.9	10.4	mg/kg	13	20
Zinc, Total	49.2	46.0	mg/kg	7	20

INORGANICS & MISCELLANEOUS

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-01
Client ID: SB-09
Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 10:00
Date Received: 12/13/19
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	81.0		%	0.100	NA	1	-	12/14/19 10:37	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-02
Client ID: SB-10
Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 10:30
Date Received: 12/13/19
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	85.3		%	0.100	NA	1	-	12/14/19 10:37	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-03
Client ID: SB-11
Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 11:30
Date Received: 12/13/19
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	83.8		%	0.100	NA	1	-	12/14/19 10:37	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-04
Client ID: SB-12
Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 13:20
Date Received: 12/13/19
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	88.7		%	0.100	NA	1	-	12/14/19 10:37	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-05
Client ID: SB-13
Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 13:40
Date Received: 12/13/19
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	90.7		%	0.100	NA	1	-	12/14/19 10:37	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-06
Client ID: SB-14
Sample Location: CITY OF ROCHESTER

Date Collected: 12/09/19 14:10
Date Received: 12/13/19
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	87.8		%	0.100	NA	1	-	12/14/19 10:37	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-08
Client ID: TP-13
Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 09:45
Date Received: 12/13/19
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	86.3		%	0.100	NA	1	-	12/14/19 10:37	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-09
Client ID: TP-14
Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 10:35
Date Received: 12/13/19
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	89.1		%	0.100	NA	1	-	12/14/19 10:37	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-10
Client ID: TP-15
Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 11:45
Date Received: 12/13/19
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	81.9		%	0.100	NA	1	-	12/14/19 10:37	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-11
Client ID: TP-16
Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 12:15
Date Received: 12/13/19
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	78.6		%	0.100	NA	1	-	12/14/19 10:37	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-12
Client ID: TP-17
Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 13:15
Date Received: 12/13/19
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	84.5		%	0.100	NA	1	-	12/14/19 10:37	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-13
Client ID: TP-18
Sample Location: CITY OF ROCHESTER

Date Collected: 12/12/19 14:10
Date Received: 12/13/19
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	88.3		%	0.100	NA	1	-	12/14/19 10:37	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-14
Client ID: SS-05
Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 13:45
Date Received: 12/13/19
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	87.2		%	0.100	NA	1	-	12/14/19 11:53	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-15
Client ID: SS-06
Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 13:50
Date Received: 12/13/19
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	84.6		%	0.100	NA	1	-	12/14/19 11:53	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-16
Client ID: SS-07
Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 13:55
Date Received: 12/13/19
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	79.3		%	0.100	NA	1	-	12/14/19 11:53	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-17
Client ID: SS-08
Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 14:05
Date Received: 12/13/19
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	78.9		%	0.100	NA	1	-	12/14/19 11:53	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-18
Client ID: SS-09
Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 14:10
Date Received: 12/13/19
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	86.1		%	0.100	NA	1	-	12/14/19 11:53	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-19
Client ID: SS-10
Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 14:15
Date Received: 12/13/19
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	91.1		%	0.100	NA	1	-	12/14/19 11:53	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-22
Client ID: SS-11
Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 14:20
Date Received: 12/13/19
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	75.2		%	0.100	NA	1	-	12/14/19 11:53	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-23
Client ID: SS-12
Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 14:25
Date Received: 12/13/19
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	78.1		%	0.100	NA	1	-	12/14/19 11:53	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-24
Client ID: SS-13
Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 14:35
Date Received: 12/13/19
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	77.3		%	0.100	NA	1	-	12/14/19 11:53	121,2540G	RI



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1960052-25
Client ID: SS-14
Sample Location: CITY OF ROCHESTER

Date Collected: 12/11/19 14:30
Date Received: 12/13/19
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	85.7		%	0.100	NA	1	-	12/14/19 11:53	121,2540G	RI



Lab Duplicate Analysis

Batch Quality Control

Project Name: E. MAIN/LAURA ST. PHASE II ESA

Project Number: 2182815.01

Lab Number: L1960052

Report Date: 12/20/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06,08-13 QC Batch ID: WG1320814-1 QC Sample: L1960052-01 Client ID: SB-09						
Solids, Total	81.0	80.3	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 14-19,22-25 QC Batch ID: WG1320821-1 QC Sample: L1960019-01 Client ID: DUP Sample						
Solids, Total	90.4	90.7	%	0		20

Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**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(*)
L1960052-01A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW-R2(14)
L1960052-01B	Vial water preserved	A	NA		4.2	Y	Absent	10-DEC-19 09:00	NYTCL-8260HLW-R2(14)
L1960052-01C	Vial water preserved	A	NA		4.2	Y	Absent	10-DEC-19 09:00	NYTCL-8260HLW-R2(14)
L1960052-01D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1960052-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L1960052-01F	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14)
L1960052-02A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW-R2(14)
L1960052-02B	Vial water preserved	A	NA		4.2	Y	Absent	10-DEC-19 09:00	NYTCL-8260HLW-R2(14)
L1960052-02C	Vial water preserved	A	NA		4.2	Y	Absent	10-DEC-19 09:00	NYTCL-8260HLW-R2(14)
L1960052-02D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1960052-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L1960052-02F	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14)
L1960052-03A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW-R2(14)
L1960052-03B	Vial water preserved	A	NA		4.2	Y	Absent	10-DEC-19 09:00	NYTCL-8260HLW-R2(14)
L1960052-03C	Vial water preserved	A	NA		4.2	Y	Absent	10-DEC-19 09:00	NYTCL-8260HLW-R2(14)
L1960052-03D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Serial_No: 12201918:25
Lab Number: L1960052
Report Date: 12/20/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1960052-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L1960052-03F	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14)
L1960052-04A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW-R2(14)
L1960052-04B	Vial water preserved	A	NA		4.2	Y	Absent	10-DEC-19 09:00	NYTCL-8260HLW-R2(14)
L1960052-04C	Vial water preserved	A	NA		4.2	Y	Absent	10-DEC-19 09:00	NYTCL-8260HLW-R2(14)
L1960052-04D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1960052-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L1960052-04F	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14)
L1960052-05A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW-R2(14)
L1960052-05B	Vial water preserved	A	NA		4.2	Y	Absent	10-DEC-19 09:00	NYTCL-8260HLW-R2(14)
L1960052-05C	Vial water preserved	A	NA		4.2	Y	Absent	10-DEC-19 09:00	NYTCL-8260HLW-R2(14)
L1960052-05D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1960052-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),FE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L1960052-05F	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14)
L1960052-06A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW-R2(14)
L1960052-06B	Vial water preserved	A	NA		4.2	Y	Absent	10-DEC-19 09:00	NYTCL-8260HLW-R2(14)
L1960052-06C	Vial water preserved	A	NA		4.2	Y	Absent	10-DEC-19 09:00	NYTCL-8260HLW-R2(14)
L1960052-06D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1960052-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)

Project Name: E. MAIN/LAURA ST. PHASE II ESA

Lab Number: L1960052

Project Number: 2182815.01

Report Date: 12/20/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1960052-06F	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14)
L1960052-07A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW-R2(14)
L1960052-07B	Vial water preserved	A	NA		4.2	Y	Absent	10-DEC-19 10:30	NYTCL-8260HLW-R2(14)
L1960052-07C	Vial water preserved	A	NA		4.2	Y	Absent	10-DEC-19 10:30	NYTCL-8260HLW-R2(14)
L1960052-08A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW-R2(14)
L1960052-08B	Vial water preserved	A	NA		4.2	Y	Absent	12-DEC-19 21:00	NYTCL-8260HLW-R2(14)
L1960052-08C	Vial water preserved	A	NA		4.2	Y	Absent	12-DEC-19 21:00	NYTCL-8260HLW-R2(14)
L1960052-08D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1960052-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L1960052-08F	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14)
L1960052-09A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW-R2(14)
L1960052-09B	Vial water preserved	A	NA		4.2	Y	Absent	12-DEC-19 21:00	NYTCL-8260HLW-R2(14)
L1960052-09C	Vial water preserved	A	NA		4.2	Y	Absent	12-DEC-19 21:00	NYTCL-8260HLW-R2(14)
L1960052-09D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1960052-09E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L1960052-09F	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14)
L1960052-10A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW-R2(14)
L1960052-10B	Vial water preserved	A	NA		4.2	Y	Absent	12-DEC-19 21:00	NYTCL-8260HLW-R2(14)
L1960052-10C	Vial water preserved	A	NA		4.2	Y	Absent	12-DEC-19 21:00	NYTCL-8260HLW-R2(14)
L1960052-10D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1960052-10E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

Project Name: E. MAIN/LAURA ST. PHASE II ESA**Lab Number:** L1960052**Project Number:** 2182815.01**Report Date:** 12/20/19**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1960052-10F	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14)
L1960052-11A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW-R2(14)
L1960052-11B	Vial water preserved	A	NA		4.2	Y	Absent	12-DEC-19 21:00	NYTCL-8260HLW-R2(14)
L1960052-11C	Vial water preserved	A	NA		4.2	Y	Absent	12-DEC-19 21:00	NYTCL-8260HLW-R2(14)
L1960052-11D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1960052-11E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1960052-11F	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14)
L1960052-12A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW-R2(14)
L1960052-12B	Vial water preserved	A	NA		4.2	Y	Absent	12-DEC-19 21:00	NYTCL-8260HLW-R2(14)
L1960052-12C	Vial water preserved	A	NA		4.2	Y	Absent	12-DEC-19 21:00	NYTCL-8260HLW-R2(14)
L1960052-12D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1960052-12E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L1960052-12F	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14)
L1960052-13A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW-R2(14)
L1960052-13B	Vial water preserved	A	NA		4.2	Y	Absent	12-DEC-19 21:00	NYTCL-8260HLW-R2(14)
L1960052-13C	Vial water preserved	A	NA		4.2	Y	Absent	12-DEC-19 21:00	NYTCL-8260HLW-R2(14)
L1960052-13D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1960052-13E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L1960052-13F	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14)

Project Name: E. MAIN/LAURA ST. PHASE II ESA

Lab Number: L1960052

Project Number: 2182815.01

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1960052-14A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L1960052-14B	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14),TS(7)
L1960052-15A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),NA-TI(180),K-TI(180),CD-TI(180)
L1960052-15B	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14),TS(7)
L1960052-16A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),NA-TI(180),K-TI(180),CD-TI(180),CA-TI(180)
L1960052-16B	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14),TS(7)
L1960052-17A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1960052-17B	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14),TS(7)
L1960052-18A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L1960052-18B	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14),TS(7)
L1960052-19A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L1960052-19B	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14),TS(7)

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Serial_No: 12201918:25
Lab Number: L1960052
Report Date: 12/20/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1960052-22A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L1960052-22B	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14),TS(7)
L1960052-23A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L1960052-23B	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14),TS(7)
L1960052-24A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L1960052-24B	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14),TS(7)
L1960052-25A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L1960052-25B	Glass 250ml/8oz unpreserved	A	NA		4.2	Y	Absent		NYCP51-PAH(14),TS(7)

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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: E. MAIN/LAURA ST. PHASE II ESA
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- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration 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.)

Report Format: DU Report with 'J' Qualifiers



Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

Data Qualifiers

- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: E. MAIN/LAURA ST. PHASE II ESA
Project Number: 2182815.01

Lab Number: L1960052
Report Date: 12/20/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.

Mansfield Facility:

Drinking Water

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

EPA 522.

Non-Potable Water


EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.


EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	NEW YORK CHAIN OF CUSTODY Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1 of 3	Date Rec'd in Lab 12/14/19	ALPHA Job # L1960052						
		Project Information Project Name: E. Main / Laura St. Phase II ESA Project Location: City of Rochester Project # 2182815.01 (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQulS (1 File) <input checked="" type="checkbox"/> EQulS (4 File) <input type="checkbox"/> Other		Billing Information <input checked="" type="checkbox"/> Same as Client Info PO# 2182815.01					
Client Information Client: LaBella Associates Address: 300 State St Rochester, NY 14614 Phone: (585) 454-6110 Fax: _____ Email: j.pristach@labellapc.com		Project Manager: Jared Pristach ALPHAQuote #: _____ Turn-Around Time Standard <input checked="" type="checkbox"/> Rush (only if pre approved) <input type="checkbox"/> Due Date: _____ # of Days: _____		Regulatory Requirement <input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input checked="" type="checkbox"/> NY CP-51 <input checked="" type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input checked="" type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities: Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other: _____					
These samples have been previously analyzed by Alpha <input type="checkbox"/>											
Other project specific requirements/comments: Please specify Metals or TAL.											
ANALYSIS											
TLC+CP-51 VOCs CP-51 SVOCs TAL Metals											
Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input type="checkbox"/> Lab to do (Please Specify below)											
Sample Specific Comments											
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TLC+CP-51 VOCs	CP-51 SVOCs	TAL Metals	Total Bottles	Sample Specific Comments	
L1960052-01	SB-09	12/09/19	10:00	Soil	ED	X	X	X		Sample frozen 12/10/19 @ 9:00	
02	SB-10		10:30		ED	X	X	X		frozen 12/10/19 @ 9:00	
03	SB-11		11:30		ED	X	X	X			
04	SB-12		13:20		ED	X	X	X			
05	SB-13		13:40		ED	X	X	X			
06	SB-14		14:10		ED	X	X	X			
07	BW-02	12/10/19	9:30		JAP	X				frozen 12/10/19 @ 10:30	
08	TP-13	12/12/19	9:45		ED	X	X	X		frozen 12/12/19 @ 21:00	
09	TP-14		10:35		ED	X	X	X			
10	TP-15		11:45		EP	X	X	X			
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type		Preservative		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
Relinquished By: [Signature]		Date/Time: 12/13/19 16:16		Received By: AAL		Date/Time: 12/13/19 16:16		Received By: [Signature]		Date/Time: 12/14/19 01:00	

 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 2 of 3	Date Rec'd in Lab 12/14/19	ALPHA Job # L1960052																																																																																																								
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Client Information Client: <u>La Bella Associates</u> Address: <u>300 State St</u> <u>Rochester, NY 14614</u> Phone: Fax: Email: <u>jpristach@labellapl.com</u>		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Billing Information <input checked="" type="checkbox"/> Same as Client Info PO# <u>2182815.01</u>																																																																																																								
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<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">TEL+CP-51 VOCs</th> <th rowspan="2">CP-51 SVOCs</th> <th rowspan="2">TAL Metals</th> <th rowspan="2">Sample Specific Comments</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>60052-11</td> <td>TP-16</td> <td>12/12/19</td> <td>12:15</td> <td>soil</td> <td>ED</td> <td>X</td> <td>X</td> <td>X</td> <td rowspan="11" style="vertical-align: top;">frozen 12/12/19 @ 21:00 ↓</td> </tr> <tr> <td>-12</td> <td>TP-17</td> <td>↓</td> <td>13:15</td> <td> </td> <td>ED</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>-13</td> <td>TP-18</td> <td>↓</td> <td>14:10</td> <td> </td> <td>ED</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>-14</td> <td>SS-05</td> <td>12/11/19</td> <td>13:45</td> <td> </td> <td>ED</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-15</td> <td>SS-06</td> <td> </td> <td>13:50</td> <td> </td> <td>ED</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-16</td> <td>SS-07</td> <td> </td> <td>13:55</td> <td> </td> <td>ED</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-17</td> <td>SS-08</td> <td> </td> <td>14:05</td> <td> </td> <td>ED</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-18</td> <td>SS-09</td> <td> </td> <td>14:10</td> <td> </td> <td>ED</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-19</td> <td>SS-10</td> <td> </td> <td>14:15</td> <td> </td> <td>ED</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-20</td> <td>SS-11</td> <td>↓</td> <td>14:20</td> <td>↓</td> <td>ED</td> <td>X</td> <td>X</td> <td></td> </tr> </tbody> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID		Collection		Sample Matrix	Sampler's Initials	TEL+CP-51 VOCs	CP-51 SVOCs	TAL Metals	Sample Specific Comments	Date	Time	60052-11	TP-16	12/12/19	12:15	soil	ED	X	X	X	frozen 12/12/19 @ 21:00 ↓	-12	TP-17	↓	13:15		ED	X	X	X	-13	TP-18	↓	14:10		ED	X	X	X	-14	SS-05	12/11/19	13:45		ED	X	X		-15	SS-06		13:50		ED	X	X		-16	SS-07		13:55		ED	X	X		-17	SS-08		14:05		ED	X	X		-18	SS-09		14:10		ED	X	X		-19	SS-10		14:15		ED	X	X		-20	SS-11	↓	14:20	↓	ED	X	X		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative
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Month / Year:	Unit ID:	Thermometer SN:	Correction Factor
12/19	EP 23499	N/A	Add: Subtract:
Day	Observed Temperature Reading (°C)	Initials	Comments
1	-110	(MR)	12/13/19
2			
3			
4			
5			
6			
7			
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10			
11			
12			
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31			

Acceptable Range:



ANALYTICAL REPORT

Lab Number:	L2001342
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Jared Pristach
Phone:	(585) 402-7004
Project Name:	E MAIN & LAURA ST PH II ESA
Project Number:	2182815
Report Date:	01/14/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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

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



Project Name: E MAIN & LAURA ST PH II ESA
Project Number: 2182815

Lab Number: L2001342
Report Date: 01/14/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2001342-01	BW-02-011020	WATER	1222 E MAIN STREET, ROCHESTER, NY	01/10/20 10:50	01/10/20

Project Name: E MAIN & LAURA ST PH II ESA
Project Number: 2182815

Lab Number: L2001342
Report Date: 01/14/20

Case Narrative

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

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

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

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

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

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

Project Name: E MAIN & LAURA ST PH II ESA
Project Number: 2182815

Lab Number: L2001342
Report Date: 01/14/20

Case Narrative (continued)

Report Submission

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

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

Authorized Signature:

Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative

Date: 01/14/20

ORGANICS

VOLATILES

Project Name: E MAIN & LAURA ST PH II ESA
Project Number: 2182815

Lab Number: L2001342
Report Date: 01/14/20

SAMPLE RESULTS

Lab ID: L2001342-01
 Client ID: BW-02-011020
 Sample Location: 1222 E MAIN STREET, ROCHESTER, NY

Date Collected: 01/10/20 10:50
 Date Received: 01/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 01/13/20 21:18
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.25	J	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: E MAIN & LAURA ST PH II ESA
Project Number: 2182815

Lab Number: L2001342
Report Date: 01/14/20

SAMPLE RESULTS

Lab ID: L2001342-01
Client ID: BW-02-011020
Sample Location: 1222 E MAIN STREET, ROCHESTER, NY

Date Collected: 01/10/20 10:50
Date Received: 01/10/20
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	2.3	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	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Project Name: E MAIN & LAURA ST PH II ESA
Project Number: 2182815

Lab Number: L2001342
Report Date: 01/14/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/13/20 18:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1329892-5					
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: E MAIN & LAURA ST PH II ESA
Project Number: 2182815

Lab Number: L2001342
Report Date: 01/14/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/13/20 18:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1329892-5					
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	3.2	J	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: E MAIN & LAURA ST PH II ESA
Project Number: 2182815

Lab Number: L2001342
Report Date: 01/14/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/13/20 18:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1329892-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: E MAIN & LAURA ST PH II ESA

Lab Number: L2001342

Project Number: 2182815

Report Date: 01/14/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1329892-3 WG1329892-4								
Methylene chloride	85		85		70-130	0		20
1,1-Dichloroethane	89		88		70-130	1		20
Chloroform	89		87		70-130	2		20
Carbon tetrachloride	87		86		63-132	1		20
1,2-Dichloropropane	86		86		70-130	0		20
Dibromochloromethane	81		81		63-130	0		20
1,1,2-Trichloroethane	90		92		70-130	2		20
Tetrachloroethene	93		93		70-130	0		20
Chlorobenzene	90		92		75-130	2		20
Trichlorofluoromethane	85		84		62-150	1		20
1,2-Dichloroethane	86		86		70-130	0		20
1,1,1-Trichloroethane	92		90		67-130	2		20
Bromodichloromethane	81		79		67-130	3		20
trans-1,3-Dichloropropene	80		80		70-130	0		20
cis-1,3-Dichloropropene	80		80		70-130	0		20
Bromoform	82		85		54-136	4		20
1,1,2,2-Tetrachloroethane	90		91		67-130	1		20
Benzene	90		89		70-130	1		20
Toluene	90		91		70-130	1		20
Ethylbenzene	92		93		70-130	1		20
Chloromethane	65		64		64-130	2		20
Bromomethane	70		73		39-139	4		20
Vinyl chloride	73		71		55-140	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: E MAIN & LAURA ST PH II ESA

Lab Number: L2001342

Project Number: 2182815

Report Date: 01/14/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1329892-3 WG1329892-4								
Chloroethane	84		83		55-138	1		20
1,1-Dichloroethene	87		87		61-145	0		20
trans-1,2-Dichloroethene	89		88		70-130	1		20
Trichloroethene	86		85		70-130	1		20
1,2-Dichlorobenzene	91		92		70-130	1		20
1,3-Dichlorobenzene	91		92		70-130	1		20
1,4-Dichlorobenzene	90		92		70-130	2		20
Methyl tert butyl ether	86		87		63-130	1		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	87		87		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	47		46		36-147	2		20
Acetone	100		110		58-148	10		20
Carbon disulfide	63		64		51-130	2		20
2-Butanone	76		78		63-138	3		20
4-Methyl-2-pentanone	75		77		59-130	3		20
2-Hexanone	69		72		57-130	4		20
1,2-Dibromoethane	89		91		70-130	2		20
n-Butylbenzene	94		96		53-136	2		20
sec-Butylbenzene	95		96		70-130	1		20
tert-Butylbenzene	94		94		70-130	0		20
1,2-Dibromo-3-chloropropane	75		76		41-144	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: E MAIN & LAURA ST PH II ESA

Lab Number: L2001342

Project Number: 2182815

Report Date: 01/14/20

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1329892-3 WG1329892-4								
Isopropylbenzene	95		95		70-130	0		20
p-Isopropyltoluene	96		97		70-130	1		20
Naphthalene	85		89		70-130	5		20
n-Propylbenzene	96		96		69-130	0		20
1,2,4-Trichlorobenzene	87		88		70-130	1		20
1,3,5-Trimethylbenzene	96		96		64-130	0		20
1,2,4-Trimethylbenzene	95		96		70-130	1		20
Methyl Acetate	96		98		70-130	2		20
Cyclohexane	85		84		70-130	1		20
Freon-113	88		87		70-130	1		20
Methyl cyclohexane	87		87		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		100		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	102		100		70-130

Project Name: E MAIN & LAURA ST PH II ESA**Lab Number:** L2001342**Project Number:** 2182815**Report Date:** 01/14/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2001342-01A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2001342-01B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2001342-01C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)

Project Name: E MAIN & LAURA ST PH II ESA
Project Number: 2182815

Lab Number: L2001342
Report Date: 01/14/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: E MAIN & LAURA ST PH II ESA
Project Number: 2182815

Lab Number: L2001342
Report Date: 01/14/20

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers



Project Name: E MAIN & LAURA ST PH II ESA
Project Number: 2182815

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Data Qualifiers

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

- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: E MAIN & LAURA ST PH II ESA
Project Number: 2182815

Lab Number: L2001342
Report Date: 01/14/20

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.

Mansfield Facility:

Drinking Water

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

EPA 522.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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



APPENDIX 4

Geotechnical Engineering Investigation Report (Ravi)

January 8, 2020

LaBella Associates
300 State Street, Suite 201
Rochester, New York 14614

Attention: Tom Simbari

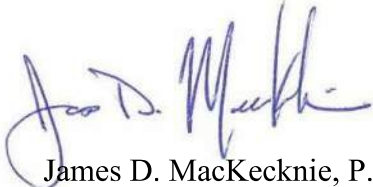
Subject: Geotechnical Engineering Investigation
Proposed Rochester Police Department Goodman Section
East Main Street
Rochester, New York

Mr. Simbari:

Ravi Engineering & Land Surveying, P.C. is pleased to submit the Geotechnical Engineering Report for the above referenced project. If you require additional information please contact us at (585) 223-3660. Thank you.

Respectfully submitted,

RAVI ENGINEERING & LAND SURVEYING, P.C.



James D. MacKecknie, P.G.
Project Manager

Attachment: Geotechnical Engineering Investigation Report

REPORT

GEOTECHNICAL ENGINEERING INVESTIGATION

PROPOSED ROCHESTER POLICE DEPARTMENT GOODMAN SECTION

EAST MAIN STREET

ROCHESTER, NEW YORK

For

LaBella Associates

January 2020

January 9, 2020

LaBella Associates
300 State Street, Suite 201
Rochester, New York 14614

Attention: Tom Simbari

Subject: Geotechnical Engineering Investigation
Proposed Rochester Police Department Goodman Section
East Main Street
Rochester, New York

Readers:

This report presents the results of a geotechnical engineering investigation for the project identified above.

UNDERSTANDING OF PROPOSED CONSTRUCTION

The project will occupy numerous existing and/or former city lots, as well as a portion of Laura Street. The lots on East Main Street are 1200, 1214-1216, 1222, 1228-1230, 1240, and 1252. The lots on Laura Street are 1-5, 2, 4-6, 7-9, 8-8.5, 10, and 11-15.

Most of the site will be devoted to paved areas.

A building will occupy much of lots 1214-1216, 1222, and 1228-1230 along East Main Street. The building will have two stories and no basement, and will occupy an area of roughly 10,000 square feet.

SUBSURFACE EXPLORATIONS

Recent Test Borings for Building

Six test borings, identified as GT-19-1 through GT-19-6, were recently performed within or near the outline of the proposed building. The approximate locations of the borings are shown on the plan in Appendix A, which was prepared by LaBella Associates.

The borings were performed by Nothnagle Drilling, using truck-mounted and ATV-mounted rotary drilling rigs, on 11/22/19 and 11/26/19. The borings were advanced to depths ranging from 9.7 feet to 15.5 feet below the ground surface.

The logs of the borings, as prepared by Nothnagle Drilling, are presented in Appendix B.

Previous Subsurface Explorations, 2000 through 2018

Numerous subsurface explorations have been performed at the site, between 2000 and 2018. These explorations are briefly summarized in attached Table 1. The approximate locations of the explorations are shown on the plan in Appendix A, and the logs of the explorations are presented in Appendix C.

COMMENTS ON SUBSURFACE CONDITIONS

A typical subsurface profile is expected to consist of random fill, over glacial till, over bedrock. The depth of the random fill may in places be as great as 12 feet or more. The depth to the top of bedrock is estimated to be approximately 8 to 16 feet below the ground surface.

The depth to groundwater is estimated to be approximately 13 to 23 feet below the ground surface. It should be noted that short-term observations may not be representative of actual groundwater levels, and that groundwater levels will vary with factors including location, time, precipitation, season, and site activities.

More detailed descriptions of the subsurface conditions, as encountered by the subsurface explorations, are provided on the logs in Appendices B and C.

DESIGN AND CONSTRUCTION

General

The existing random fill materials are considered to be unsuitable for support of foundations and floor slabs. For areas of pavement, however, complete removal of the random fill materials is not recommended.

As previously noted, the new building will be located within the 1214-1216, 1222, and 1228-1230 East Main Street parcels. It appears that this location will avoid the greatest depths of existing random fill materials. The depths of random fill in this area, as encountered by the borings, ranged from approximately 3.5 feet to 6 feet below the ground surface. The average depth was approximately 5 feet.

The existing random fill materials and buried topsoil should be removed within the building outline. These unsuitable materials should be replaced with compacted fill. More detailed recommendations are presented in subsequent sections of this report.

All design and construction should meet or exceed the requirements of all applicable codes.

With regard to the International Building Code, a seismic Site Class of “C” should be applied to this project. This corresponds to a “Very dense soil and soft rock” profile.

Footings

All of the following requirements should be satisfied:

- No topsoil, organic matter, existing fill, remnant foundations, remnant floor slabs, utilities, or other unsuitable materials should be left in place below a footing.
- Footings should bear on stable natural soil, or on compacted common or granular fill.
- Any compacted fill below a footing should be placed directly on stable natural soil. The compacted fill should extend laterally beyond each edge of the footing, a distance at least as great as the vertical thickness of compacted fill below the footing.
- Subgrades should be prepared, and fill should be placed and compacted, as described elsewhere in this report.
- Individual column footings should be designed for a bearing pressure of 3,000 pounds per square foot or less, and should in no case be less than 36 inches wide.
- Continuous wall footings should be designed for a bearing pressure of 3,000 pounds per square foot or less, and should in no case be less than 24 inches wide.
- Footings should be seated at least 2 feet below the lowest adjacent final surface, and at least 4 feet below the lowest adjacent final surface exposed to freezing temperatures.
- The imaginary slope between the bottom edges of any two footings should be no steeper than 1 vertical on 2 horizontal.
- Any stepped wall footings should be stepped in vertical increments of 12 inches or less, and horizontal increments of 24 inches or more.

For footings properly designed and constructed in accordance with this report, the total settlement is not expected to exceed 1 inch. The differential settlement is not expected to exceed 3/4 inch. It should also be noted that most of the settlement will occur during construction, and that post-construction settlements are not expected to be significant.

Floor Slabs on Grade

Following removal and replacement of the unsuitable materials, conventional slab-on-grade floor construction will be feasible.

No topsoil, organic matter, existing fill, remnant foundations, remnant floor slabs, existing utilities, or other unsuitable materials should be left in place below a floor slab.

At least 6 inches of compacted granular fill should be placed beneath all floor slabs. Drained, unsaturated conditions should be maintained within the granular fill. Compacted common fill may be placed as required below the granular fill. Subgrades should be prepared, and fill should be placed and compacted, as described elsewhere in this report.

Floor slabs should be designed and constructed in accordance with ACI recommendations. It is also recommended that the design be based on a subgrade modulus (K) not exceeding 100 pounds per cubic inch.

Pavement

A practical pavement design is based on factors including subgrade quality, frost action, traffic loads, traffic frequency, design life, and the relative importance of initial costs versus future maintenance.

From the standpoint of long-term performance, the most reliable pavement design would involve the complete removal of the existing fill materials. Because of the significant horizontal and vertical extent of these materials, however, the cost of such a scheme would probably be prohibitive. A more practical design, therefore, is one that allows much of the existing fill material to remain in place, while minimizing the need for future maintenance. Some settlement of pavement surfaces should be anticipated.

It is understood that, for parts of the site, the City's demolition contract will be applicable. This contract calls for the break-up and/or removal of existing walls, footings, and floor slabs. This contract also calls for the backfilling of basement excavations with good-quality compacted fill.

At this site, the subgrade quality for flexible pavement should be represented using a California Bearing Ratio (CBR) not exceeding 5.

For standard duty areas such as auto parking, the recommended minimum flexible pavement section consists of a 1.5-inch asphaltic top course, a 2.5-inch asphaltic binder course, a 12-inch subbase course, and a suitable biaxial geogrid.

For heavy duty areas exposed to more frequent and/or heavier vehicles, the recommended minimum flexible pavement section consists of a 1.5-inch asphaltic top course, a 2.5-inch asphaltic binder course, an 18-inch subbase course, and a suitable biaxial geogrid.

The subgrade quality for rigid pavement should be represented using a subgrade modulus (K) not exceeding 75 pounds per cubic inch. The rigid section should consist of reinforced concrete, and should be at least 6 inches thick. At least 12 inches of subbase material should be placed below the slab.

For all pavement sections, the subbase should consist of compacted crusher-run stone. This crusher-run stone should satisfy the requirements for granular fill, as described elsewhere in this report.

For all pavement sections, compacted common fill may be placed as required below the subbase and any geogrid. The requirements for compacted common fill are presented elsewhere in this report.

No existing pavement, topsoil, organic matter, or other unsuitable materials should be left in place. As noted above, complete removal of the existing fill materials should not be necessary. Subgrades should be prepared as described elsewhere in this report.

Drained, unsaturated conditions should be maintained within all pavement sections. Surface water should be conducted away from paved areas and structures.

The project designers may wish to consider pavement thicknesses more or less conservative than those presented, depending on the traffic and cost factors described above.

Permeable pavement is not currently recommended.

Excavation and Construction Dewatering

Excavation should be performed in accordance with all applicable local, state, and federal requirements. The sides of all excavations should be sloped or supported as required by safety regulations. Existing structures, utilities, and other property should be protected.

With regard to the current OSHA regulations, Type C soil should be assumed. This would apply to adequately dewatered soil.

To minimize subgrade disturbance, excavation should be performed with increasing care as subgrade levels are approached.

All work should be performed in the dry. In addition, the dewatering should be sufficient to permit suitable preparation of the subgrade and compaction of any subsequent fill materials.

The contractor should be prepared to dewater as necessary, and should choose and employ an appropriate type of dewatering system. Any dewatering system should be operated in such a way that disturbance or removal of the subgrade soil does not occur.

Subgrade Preparation

It is cautioned that the soils at this site contain fine-grained material, and that they will be sensitive to disturbance. Subgrades should be kept free of water, subjected to a minimum amount of construction traffic, exposed no longer than necessary, and not permitted to freeze.

Subgrades should be carefully prepared and thoroughly examined by qualified personnel. Subgrades should also be tamped using vibratory equipment, to the greatest extent possible without loosening or softening the subgrade soils. Where space permits (such as in floor slab and pavement areas), subgrades should be proofrolled using a fully-loaded ten-wheel dump truck or full-size (ten-ton or larger) roller.

No new fill or foundation concrete should be placed over material that is loose, soft, wet, frozen, organic, or otherwise unsuitable with respect to the design recommendations.

Fill and Backfill

Granular fill should consist of a durable sand and gravel or crusher-run stone, free of any organic matter. The plasticity index should be less than 5. Granular fill should have 100 percent finer than 3 inches, 20 to 60 percent finer than the Number 4 sieve, and no more than 10 percent finer than the Number 200 sieve.

Granular fill could also be specified as meeting the NYSDOT requirements for Subbase Course; 304-2.02; Type 1, 2, or 4.

Common fill should consist of durable soil material, free of any organic matter. The plasticity index should be less than 15. Common fill should have 100 percent finer than 6 inches, at least 90 percent finer than 3 inches, and at least 20 percent finer than the Number 4 sieve.

It should be noted that granular fill meets all of the requirements of common fill, and that granular fill can generally be placed and compacted with less difficulty.

All load-bearing fill should be compacted, in lifts of 9 inches or less, to at least 95 percent of the maximum dry density determined by ASTM D 1557.

The in-place density and water content of compacted fill should be determined by ASTM D 6938. For any compacted fill below wall footings, at least one test should be performed per 50 lineal feet of wall, per lift. For any compacted fill below column footings, at least one test should be performed per footing, per lift. For other areas such as floor slabs and pavements, at least one test should be performed per 2,500 square feet, per lift.

CLOSING COMMENTS AND RECOMMENDATIONS

Professional services for this investigation were performed in accordance with generally accepted geotechnical engineering practices, exclusively for the subject project. No warranty, expressed or implied, is made.

Subsurface conditions are inferred from the logs of subsurface explorations. Conditions between, beyond, and below these explorations are likely to vary. It should also be noted that subsurface conditions are often described on the basis of visual examinations of recovered samples, that these visual descriptions may not always agree well with descriptions made on the basis of laboratory tests, and that the distinction between fill and naturally-deposited soil can not always be readily determined on the basis of recovered samples. If subsurface conditions are subsequently revealed that appear to be significantly different or less favorable than those described, we should be given the opportunity to revise the statements in this report.

Designers and contractors are advised that this report was prepared primarily for design purposes, and that it may not contain sufficient information for bidding. Contractors should visit the site, review this report and the related exploration logs, and evaluate potential construction difficulties on the basis of their own knowledge and experience.


It is recommended that qualified personnel be retained to review the geotechnical portions of the contract drawings and specifications, and to provide monitoring services during construction.

If you have questions or comments regarding this report, please contact the undersigned.

Yours truly,

RAVI ENGINEERING & LAND SURVEYING, P.C.


Nagappa Ravindra, P.E.
President


Ray M. Teeter, P.E.
Geotechnical Engineer

Attachments: Table 1 – Previous Subsurface Explorations, 2000 through 2018

 Appendix A – Plan Showing Locations of Subsurface Explorations, by
 LaBella Associates

 Appendix B – Logs of Recent Test Borings GT-19-1 through GT-19-6, by
 Nothnagle Drilling

 Appendix C – Logs of Previous Subsurface Explorations, 2000
 through 2018

Table 1
Previous Subsurface Explorations
2000 through 2018
Proposed Rochester Police Department Goodman Section
East Main Street
Rochester, New York
(Page 1 of 3)

<u>Exploration Identification</u>	<u>Type of Exploration</u>	<u>Log Preparer</u>	<u>Exploration Contractor</u>	<u>Month and Year</u>
GT-01	Test Boring	Foundation Design	LaBella	October 2018
GT-02	Test Boring	Foundation Design	LaBella	October 2018
SBGT-06	Test Boring	Foundation Design	LaBella	October 2018
SB-01	Probe	Foundation Design	LaBella	October 2018
SB-02	Probe	Foundation Design	LaBella	October 2018
SB-03	Probe	Foundation Design	LaBella	October 2018
SB-04	Probe	Foundation Design	LaBella	October 2018
SB-05	Probe	LaBella	LaBella	October 2018
SB-07	Probe	Foundation Design	LaBella	October 2018
SB-08	Probe	LaBella	LaBella	November 2018
TP18-01	Test Pit	Foundation Design	LaBella	October 2018
TP18-02	Test Pit	Foundation Design	LaBella	October 2018

Table 1
Previous Subsurface Explorations
2000 through 2018
Proposed Rochester Police Department Goodman Section
East Main Street
Rochester, New York
(Page 2 of 3)

<u>Exploration Identification</u>	<u>Type of Exploration</u>	<u>Log Preparer</u>	<u>Exploration Contractor</u>	<u>Month and Year</u>
TP18-03	Test Pit	Foundation Design	LaBella	October 2018
TP18-04	Test Pit	Foundation Design	LaBella	October 2018
TP18-05	Test Pit	Foundation Design	LaBella	October 2018
TP18-06	Test Pit	Foundation Design	LaBella	October 2018
TP18-07	Test Pit	Foundation Design	LaBella	October 2018
TP18-08	Test Pit	Foundation Design	LaBella	October 2018
TP18-09	Test Pit	Foundation Design	LaBella	October 2018
TP18-10	Test Pit	Foundation Design	LaBella	October 2018
TP18-11	Test Pit	Foundation Design	LaBella	October 2018
TP18-12	Test Pit	Foundation Design	LaBella	October 2018
BW-01	Test Boring and Well	LaBella	NYEG	November 2018
MW-1	Well	Bergmann	-----	July 2000
MW-2	Well	Bergmann	-----	July 2000

Table 1
Previous Subsurface Explorations
2000 through 2018
Proposed Rochester Police Department Goodman Section
East Main Street
Rochester, New York
(Page 3 of 3)

<u>Exploration Identification</u>	<u>Type of Exploration</u>	<u>Log Preparer</u>	<u>Exploration Contractor</u>	<u>Month and Year</u>
MW-3	Well	Bergmann	-----	July 2000
MW-4	Well	Bergmann	-----	July 2000
MW-5	Test Boring and Well	Bergmann	Buffalo Drilling	July 2003
MW-6	Test Boring and Well	Bergmann	Buffalo Drilling	July 2003
MW-7	Test Boring and Well	Bergmann	Buffalo Drilling	July 2003
MW-8	Test Boring and Well	Bergmann	Buffalo Drilling	July 2003
MW-9	Test Boring and Well	Bergmann	Buffalo Drilling	July 2003
MW-10	Test Boring and Well	Bergmann	Buffalo Drilling	July 2003
MW-11	Test Boring and Well	Bergmann	Buffalo Drilling	July 2003
MW-12	Test Boring and Well	Bergmann	Buffalo Drilling	July 2003
MW-13	Test Boring and Well	Bergmann	Buffalo Drilling	May 2004
MW-14	Test Boring and Well	Bergmann	Buffalo Drilling	May 2004

Appendix A

Plan Showing Locations of Subsurface Explorations, by LaBella Associates

RPD GOODMAN STATION
GEOTECHNICAL EXPLORATION MAP

JANUARY 2020
SCALE: 1"=40'



- LEGEND**
- PROPOSED TEST PITS
 - PREVIOUS TEST PITS (10/2018)
 - GEOTECHNICAL BORINGS (12/2019)
 - PREVIOUS OVERBURDEN BORINGS (10/2018)
 - PREVIOUS GEOTECHNICAL BORINGS (10/2018)
 - PREVIOUS INJECTION POINTS
 - PREVIOUS EXTRACTION POINTS
 - PREVIOUS SOIL SAMPLE POINTS
 - PREVIOUS EXCAVATIONS
- NOTES:**
1. PREVIOUS EXCAVATIONS AND GEOTECHNICAL EXPLORATIONS ARE GEOREFERENCED FROM MAPPING CREATED BY OTHERS AND LOCATIONS ARE APPROXIMATE.

- Monitoring Well May 2009
- Monitoring Well July 2000
- Monitoring Well July 2008
- Bedrock well 10/2018

Appendix B

Logs of Recent Test Borings GT-19-1 through GT-19-6, by Nothnagle Drilling

NOTHNAGLE DRILLING, INC.

1821 Scottsville-Mumford Road
 Scottsville, New York 14546

Phone (585) 538-2328
 Fax (585) 538-2357

Test Boring No. GT-19-1
 Page 1 of 1
 ND Job # 196599

Project Rochester Police Department, Goodman Section, East Main Street, Rochester, New York

Client Ravi Engineering & Land Surveying, P.C., 2110 South Clinton Avenue, Suite 1, Rochester, New York 14618

Elevation _____ Start 11/26/19 Completed 11/26/19 Driller T. Mangefrida

Water Level - During Drilling None Inspector _____

Water Level - At Completion None

Seasonal and climatic changes may alter observed water levels.

C	Blows on Sampler				Sample				Visual Soil and Rock Information Remarks
	0" 6"	6" 12"	12" 18"	18" 24"	N	Rec.	No.	Depth	
0	1	1							Topsoil and organic matter 0'5"
	4	3	2	3	3	13"	1	0'0"-2'0"	Loose brown damp fine sand, some silt, little coarse gravel, trace clay (fill) 2'0"
			4	5	7	15"	2	2'0"-4'0"	Loose brown moist fine sand, some coarse to fine gravel, little silt (fill)
5	2	4							Loose brown moist 5'6"
			4	22	8	6"	3	4'0"-6'0"	
	17	15							Loose brown moist fine sand, some coarse to fine gravel, trace silt
			25	13	40	16"	4	6'0"-8'0"	Compact brown moist
10	11	14							Compact brown moist
	13	14	22	19	36	17"	5	8'0"-10'0"	Compact brown damp
			13	16	27	18"	6	10'0"-12'0"	12'0"
15									
20									
25									
30									
35									
40									

Boring terminated at 12'0"
 Advanced test boring with hollow stem auger casing.
 Boring backfilled on completion.

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
 C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
 Transitional Depths are Estimated Based on Field Observations

NOTHNAGLE DRILLING, INC.

1821 Scottsville-Mumford Road
 Scottsville, New York 14546

Phone (585) 538-2328
 Fax (585) 538-2357

Test Boring No. GT-19-2
 Page 1 of 1
 ND Job # 196599

Project Rochester Police Department, Goodman Section, East Main Street, Rochester, New York

Client Ravi Engineering & Land Surveying, P.C., 2110 South Clinton Avenue, Suite 1, Rochester, New York 14618

Elevation _____ Start 11/26/19 Completed 11/26/19 Driller T. Mangefrida

Water Level - During Drilling None Inspector _____

Water Level - At Completion None

Seasonal and climatic changes may alter observed water levels.

C	Blows on Sampler					Sample				Visual Soil and Rock Information Remarks
	0" 6"	6" 12"	12" 18"	18" 24"		N	Rec.	No.	Depth	
0	2	7								Topsoil and organic matter 0'3"
	4	2	6	7	13	3"	1	0'0"-2'0"		Firm brown damp fine sand and silt, little coarse to fine gravel, trace clay (fill)
			4	50/2	6	13"	2	2'0"-3'8"		Loose brown damp (stone wedged in spoon shoe)
5	3	6								Firm brown damp 4'6"
			10	14	16	14"	3	4'0"-6'0"		Firm brown moist fine sand, some coarse to fine gravel, little silt (fill)
	13	19								6'0"
			20	31	39	19"	4	6'0"-8'0"		Compact brown moist fine sand, some coarse to fine gravel, little silt
10	8	21								Compact brown moist
	6	11	18	15	39	18"	5	8'0"-10'0"		Firm brown damp
			9	8	20	17"	6	10'0"-12'0"		12'0"
15										
20										
25										
30										
35										
40										

Boring terminated at 12'0"
 Advanced test boring with hollow stem auger casing.
 Boring backfilled on completion.

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
 C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
 Transitional Depths are Estimated Based on Field Observations

NOTHNAGLE DRILLING, INC.

1821 Scottsville-Mumford Road
 Scottsville, New York 14546

Phone (585) 538-2328
 Fax (585) 538-2357

Test Boring No. GT-19-3
 Page 1 of 1
 ND Job # 196599

Project Rochester Police Department, Goodman Section, East Main Street, Rochester, New York

Client Ravi Engineering & Land Surveying, P.C., 2110 South Clinton Avenue, Suite 1, Rochester, New York 14618

Elevation _____ Start 11/26/19 Completed 11/26/19 Driller T. Mangefrida

Water Level - During Drilling None Inspector _____

Water Level - At Completion None

Seasonal and climatic changes may alter observed water levels.

C	Blows on Sampler				Sample				Visual Soil and Rock Information Remarks
	0" 6"	6" 12"	12" 18"	18" 24"	N	Rec.	No.	Depth	
0	2	3							Topsoil and organic matter 0'3"
			2	3	5	4"	1	0'0"-2'0"	Loose brown damp fine sand, some silt, little coarse gravel, trace clay (fill)
	20	26							Compact brown damp 3'6"
			11	8	37	17"	2	2'0"-4'0"	Compact brown moist fine sand, some coarse gravel, trace silt
5	3	19							Compact brown moist (cobbles noted during drilling)
			19	17	38	16"	3	4'0"-6'0"	Compact brown moist
	15	18							Compact brown moist
			19	20	37	19"	4	6'0"-8'0"	Compact brown moist
	11	12							Advanced augers to refusal 9'8"
10			11	50/2	23	17"	5	8'0"-9'8"	
15									
20									
25									
30									
35									
40									

Boring terminated at 9'8"
 Advanced test boring with hollow stem auger casing.
 Boring backfilled on completion.

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
 C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
 Transitional Depths are Estimated Based on Field Observations

NOTHNAGLE DRILLING, INC.

1821 Scottsville-Mumford Road
 Scottsville, New York 14546

Phone (585) 538-2328
 Fax (585) 538-2357

Test Boring No. GT-19-4
 Page 1 of 1
 ND Job # 196599

Project Rochester Police Department, Goodman Section, East Main Street, Rochester, New York

Client Ravi Engineering & Land Surveying, P.C., 2110 South Clinton Avenue, Suite 1, Rochester, New York 14618

Elevation _____ Start 11/22/19 Completed 11/22/19 Driller T. Mangefrida

Water Level - During Drilling 13'0" Inspector _____

Water Level - At Completion 12'6"

Seasonal and climatic changes may alter observed water levels.

C	Blows on Sampler				Sample				Visual Soil and Rock Information Remarks
	0" 6"	6" 12"	12" 18"	18" 24"	N	Rec.	No.	Depth	
0	1	5							Topsoil and organic matter 0'6"
	3	3	3	2	8	7"	1	0'0"-2'0"	Loose brown damp fine sand, little silt and gravel, trace clay (probable fill)
			6	12	9	17"	2	2'0"-4'0"	
5	3	33							Loose brown damp Very dense brown damp 4'6"
			24	23	57	14"	3	4'0"-6'0"	Very dense brown damp fine sand, some coarse to fine gravel, little silt
	18	22							
			50/2		72/8	12"	4	6'0"-7'2"	Very dense brown damp (cobbles noted during drilling) 8'0"
10	15	12							
	19	14	12	21	24	15"	5	8'0"-10'0"	Firm red-brown moist very fine sand, some silt, little coarse gravel
			17	21	31	15"	6	10'0"-12'0"	
									Compact red-brown moist (cobbles noted during drilling) 13'0"
15	12	27							
			18	19	45	14"	7	13'0"-15'0"	Dense gray wet weathered bedrock fragments, little coarse to fine sand and silt, trace clay Advanced augers to refusal 15'6"
20									Boring terminated at 15'6" Advanced test boring with hollow stem auger casing. Boring backfilled on completion.
25									
30									
35									
40									

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
 C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
 Transitional Depths are Estimated Based on Field Observations

NOTHNAGLE DRILLING, INC.

1821 Scottsville-Mumford Road
 Scottsville, New York 14546

Phone (585) 538-2328
 Fax (585) 538-2357

Test Boring No. GT-19-5
 Page 1 of 1
 ND Job # 196599

Project Rochester Police Department, Goodman Section, East Main Street, Rochester, New York

Client Ravi Engineering & Land Surveying, P.C., 2110 South Clinton Avenue, Suite 1, Rochester, New York 14618

Elevation _____ Start 11/26/19 Completed 11/26/19 Driller T. Mangefrida

Water Level - During Drilling None Inspector _____

Water Level - At Completion None

Seasonal and climatic changes may alter observed water levels.

C	Blows on Sampler				Sample				Visual Soil and Rock Information Remarks
	0" 6"	6" 12"	12" 18"	18" 24"	N	Rec.	No.	Depth	
0	1	1							Topsoil and organic matter 0'2"
			1	1	2	10"	1	0'0"-2'0"	Asphalt millings 0'6"
	2	6							Loose brown damp fine sand, some silt, little coarse to fine gravel (fill)
			19	12	25	14"	2	2'0"-4'0"	Firm brown damp 4'0"
5	6	7							
			13	10	20	16"	3	4'0"-6'0"	Firm brown moist fine sand, some coarse to fine gravel, little silt
	7	10							Compact brown moist
			19	28	29	18"	4	6'0"-8'0"	Compact brown moist (cobbles noted during drilling)
10	18	14							Advanced augers to refusal 10'6"
			14	16	28	18"	5	8'0"-10'0"	
15									
20									
25									
30									
35									
40									

Boring terminated at 10'6"
 Advanced test boring with hollow stem auger casing.
 Boring backfilled on completion.

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
 C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
 Transitional Depths are Estimated Based on Field Observations

NOTHNAGLE DRILLING, INC.

1821 Scottsville-Mumford Road
 Scottsville, New York 14546

Phone (585) 538-2328
 Fax (585) 538-2357

Test Boring No. GT-19-6
 Page 1 of 1
 ND Job # 196599

Project Rochester Police Department, Goodman Section, East Main Street, Rochester, New York

Client Ravi Engineering & Land Surveying, P.C., 2110 South Clinton Avenue, Suite 1, Rochester, New York 14618

Elevation _____ Start 11/26/19 Completed 11/26/19 Driller T. Mangefrida

Water Level - During Drilling None Inspector _____

Water Level - At Completion None

Seasonal and climatic changes may alter observed water levels.

C	Blows on Sampler				Sample				Visual Soil and Rock Information Remarks
	0" 6"	6" 12"	12" 18"	18" 24"	N	Rec.	No.	Depth	
0	2	12							Topsoil and organic matter 0'3"
			8	6	20	12"	1	0'0"-2'0"	Red brick 0'8"
	4	6							Firm brown-black moist fine sand and silt, little coarse to fine gravel (fill)
			14	12	20	12"	2	2'0"-4'0"	Firm brown-black moist 4'0"
5	5	3							Loose brown moist fine sand, some silt, little coarse to fine gravel, trace clay (fill) 6'0"
			2	2	5	9"	3	4'0"-6'0"	
	19	12							Firm brown damp fine sand, some coarse to fine gravel, little silt
			5	10	17	14"	4	6'0"-8'0"	Compact brown damp
10	5	14							Firm brown damp 12'0"
	4	11							
			12	14	23	15"	6	10'0"-12'0"	
15									
20									
25									
30									
35									
40									

Topsoil and organic matter 0'3"
 Red brick 0'8"
 Firm brown-black moist fine sand and silt, little coarse to fine gravel (fill)
 Firm brown-black moist 4'0"
 Loose brown moist fine sand, some silt, little coarse to fine gravel, trace clay (fill) 6'0"
 Firm brown damp fine sand, some coarse to fine gravel, little silt
 Compact brown damp
 Firm brown damp 12'0"

Boring terminated at 12'0"
 Advanced test boring with hollow stem auger casing.
 Boring backfilled on completion.

N=No. of Blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow
 C=No. of Blows to Drive Casing with lb. Wt. Ea. Blow
 Transitional Depths are Estimated Based on Field Observations

Appendix C

Logs of Previous Subsurface Explorations, 2000 through 2018

Boring Log

Project No.	4510.0	Page	1	of	1	Test Boring No.	GT-01
Project Name	Proposed Rochester Police Station, 1200 East Main, Rochester, New York						
Client	LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York						
Elevation		Weather	Overcast		Engineer	E. Ashley	
Date Started	10.22.18	Completed	10.22.18		Driller	Dillon	
Drilling Company:	LaBella Associates, DPC				Drilling Equipment:	Geoprobe 6620 DT	

Ft.	Blows Per Six Inches				N Value	Sample No.	Depth	Visual Soil and Rock Classifications
	0"/6"	6"/12"	12"/18"	18"/24"				Remarks
	6	9						TOPSOIL 0'3"
			9	10	18	1	0'-2'	FILL: Firm brown moist SILT, little to some sand, little to some gravel, little organic, trace brick, large material noted while augering
	9	8						S-2: trace asphalt
			5	5	13	2	2'-4'	
5	3	4						
			3	3	7	3	4'-6'	S-3: brown-red, little to some clay
	7	5						S-4: loose, grey-brown, trace concrete
			3	4	8	4	6'-8'	8'0"
	3	4						Loose tan-brown wet SILT and SAND, little gravel, trace organic from 8'0"-8'3"
10			4	4	8	5	8'-10'	
	5	9						S-6: firm, brown 11'0"
			6	8	15	6	10'-12'	Firm brown wet SAND, some silt
								Rough augering below 13'6"
15								14'5" Boring Terminated at 14'5" (Auger Refusal)
20								
25								
30								Notes: 1. Dry upon completion. 2. Advanced holes using hollow stem augers. 3. Bore hole backfilled using auger spoils.

N=No. of blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow



Boring Log

Project No.	4510.0	Page	1	of	1	Test Boring No.	GT-02
Project Name	Proposed Rochester Police Station, 1200 East Main, Rochester, New York						
Client	LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York						
Elevation		Weather	Overcast/rain		Engineer	E. Ashley	
Date Started	10.22.18	Completed	10.22.18		Driller	Dillon	
Drilling Company:	LaBella Associates, DPC				Drilling Equipment:	Geoprobe 6620 DT	

Ft.	Blows Per Six Inches				N Value	Sample No.	Depth	Visual Soil and Rock Classifications
	0"/6"	6"/12"	12"/18"	18"/24"				Remarks
	6	7						TOPSOIL 0'1"
			5	3	12	1	0'-2'	FILL: Firm black-brown damp ASPHALT, CINDERS, SILT, SAND, and GRAVEL 1'0"
	4	5						FILL: Firm red-tan-brown mottled moist SILT, some sand, little clay, trace organic, trace gravel 2'0"
			5	9	10	2	2'-4'	FILL: Loose black-red-brown moist SILT, SAND, GRAVEL, ORGANIC, and WOOD 4'0"
5	9	12						
			22	37	34	3	4'-6'	
	23	22						Compact tan-brown moist SILT and SAND, some gravel, larger material noted while augering 8'0"
			20	21	42	4	6'-8'	
	15	17						
10			16	19	33	5	8'-10'	Compact tan-brown moist SAND, some silt, little gravel, larger material noted while augering
	22	18						S-6: grey, wet, some gravel
15			13	9	31	6	13'-15'	
								16'6"
								Boring Terminated at 16'6" (Auger Refusal)
20								
25								
30								

- Notes:
1. Dry upon completion.
 2. Advanced hole using hollow stem augers.
 3. Bore hole backfilled using auger spoils.

N=No. of blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow

Boring Log

Project No. 4510.0	Page 1 of 1	Test Boring No. SBTG-06
Project Name Proposed Rochester Police Station, 1200 East Main, Rochester, New York		
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York		
Elevation	Weather Overcast/rain	Engineer E. Ashley
Date Started 10.22.18	Completed 10.22.18	Driller Dillon
Drilling Company: LaBella Associates, DPC		Drilling Equipment: Geoprobe 6620 DT

Ft.	Blows Per Six Inches				N Value	Sample No.	Depth	Visual Soil and Rock Classifications
	0"/6"	6"/12"	12"/18"	18"/24"				Remarks
	1	3						TOPSOIL (sandy) 0'7"
			2	2	5	1	0'-2'	Loose red-brown mottled moist SILT, some sand, trace organic, trace gravel (possible fill) 2'6"
	2	1						Loose red-brown mottled moist SILT, some sand, little gravel, trace clay
			3	4	4	2	2'-4'	
5	8	19						5'0"
			13	15	32	3	4'-6'	Compact grey damp GRAVEL and ROCK FRAGMENTS, little silt 6'0"
	15	17						Compact tan-brown moist SILT, and SAND, little to some gravel (Rough augering below 5'6")
			16	13	33	4	6'-8'	
	9	13						
10			12	17	25	5	8'-10'	S-5: firm, red-tan-brown, 11'1"
								Bring Terminated at 11'1" (Auger Refusal)
15								
20								
25								
30								Notes: 1. Dry upon completion. 2. Advanced hole using hollow stem augers. 3. Bore hole backfilled using auger spoils.

N=No. of blows to Drive 2" Spoon 12" with 140 lb. Wt. 30" Ea. Blow



SOIL • BEDROCK • GROUNDWATER

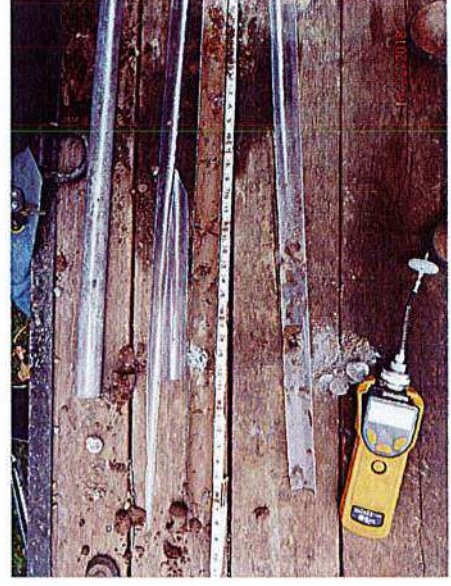
Soil Probe Log

Project No. 4510.0 **Page** 1 of 2 **Soil Probe No.** SB-01
Project Name Proposed Rochester Police Station, 1200 East Main Street, Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York 14604
Elevation _____ **Weather** Overcast **Technician** E. Ashley
Date Started 10.22.2018 **Completed** 10.22.2018 **Operator** Dillon
Soil Probe Subcontractor LaBella Environmental **Equipment** Geoprobe 6620 DT

Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications	Remarks
2			TOPSOIL FILL Loose to firm black moist CINDERS, little sand, little silt, trace fine gravel FILL: Firm red-brown mottled moist SILT, some sand, little to some gravel, trace clay, trace brick	0'4" 0'11" 2'0"
4	S-1	0'-5'	Firm red-brown mottled moist SILT, some sand, little to some gravel, trace clay	
6				5'-10' firm to compact, tan-brown moist to wet
8	S-2	5'-10'		
10	S-3	10'-13'1"		S-3: compact, tan-brown
12				

Site Pictures

Soil Probe Photos





SOIL • BEDROCK • GROUNDWATER

Soil Probe Log

Site Pictures

Project No. 4510.0 **Page** 2 **of** 2 **Soil Probe No.** SB-01
Project Name Proposed Rochester Police Station, 1200 East Main Street, Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York 14604
Elevation _____ **Weather** Overcast **Technician** E. Ashley
Date Started 10.22.2018 **Completed** 10.22.2018 **Operator** Dillon
Soil Probe Subcontractor LaBella Environmental **Equipment** Geoprobe 6620 DT

Soil Probe Photos

Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications Remarks
14			rock fragments from 12'7" to 13'1" 13'1" Soil Probes Terminated at 13'1" (Sampler Refusal)
16			
18			
20			
22			
24			

Notes:
 1. Dry on completion.
 2. Staked locations and elevations provided by LaBella Associates, DPC



SOIL • BEDROCK • GROUNDWATER

Soil Probe Log

Project No. 4510.0 **Page** 1 **of** 2 **Soil Probe No.** SB-02
Project Name Proposed Rochester Police Station, 1200 East Main Street, Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York 14604
Elevation _____ **Weather** Overcast **Technician** E. Ashley
Date Started 10.22.2018 **Completed** 10.22.2018 **Operator** Dillon
Soil Probe Subcontractor LaBella Environmental **Equipment** Geoprobe 6620 DT

Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications	Remarks
2			TOPSOIL FILL: Firm red-brown-black moist SAND, some silt, some gravel, little cinders, little asphalt, trace brick	0'7"
4	S-1	0'-5'	grey damp concrete pieces from 4'8" to 5'0"	
6			Firm to compact red-brown-grey moist SAND, some silt, some gravel, rock pieces from 6' to 7'	5'3"
8	S-2	5'-10'		
10	S-3	10'-12'8"	S-3: compact, tan-brown, moist to wet	
12				

Soil Probe Photos



Site Pictures



Foundation Design, P.C.

SOIL • BEDROCK • GROUNDWATER

Soil Probe Log

Site Pictures

Project No. 4510.0 **Page** 2 **of** 2 **Soil Probe No.** SB-02
Project Name Proposed Rochester Police Station, 1200 East Main Street, Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York 14604
Elevation _____ **Weather** Overcast **Technician** E. Ashley
Date Started 10.22.2018 **Completed** 10.22.2018 **Operator** Dillon
Soil Probe Subcontractor LaBella Environmental **Equipment** Geoprobe 6620 DT

Soil Probe Photos

Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications	Remarks
14				
16				
18				
20				
22				
24				

Soil Probes Terminated at 12'8" (Sampler Refusal)

12'8"

Notes:
 1. Dry on completion.
 2. Staked locations and elevations provided by LaBella Associates, DPC



SOIL • BEDROCK • GROUNDWATER

Soil Probe Log

Project No. 4510.0 **Page** 1 of 2 **Soil Probe No.** SB-03
Project Name Proposed Rochester Police Station, 1200 East Main Street, Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York 14604
Elevation _____ **Weather** Overcast **Technician** E. Ashley
Date Started 10.22.2018 **Completed** 10.22.2018 **Operator** Dillon
Soil Probe Subcontractor LaBella Environmental **Equipment** Geoprobe 6620 DT

Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications Remarks
2			TOPSOIL, (sandy) trace asphalt 0'8" FILL: Loose dark-brown moist SILT and SAND, some gravel, little organic, trace brick
4	S-1	0'-5'	POSSIBLE FILL: Firm red-brown moist SAND, some fine gravel, little silt 2'0"
6			Compact red-brown moist SAND, some silt, some gravel, trace clay 3'3"
8			Soil Probe Terminated at 8'0" (Sampler Refusal) 8'0"
10			
12			

Notes:

1. Dry on completion.
2. Staked locations and elevations provided by LaBella Associates, DPC

Site Pictures

Soil Probe Photos





SOIL • BEDROCK • GROUNDWATER

Soil Probe Log

Site Pictures

Project No. 4510.0 **Page** 2 **of** 2 **Soil Probe No.** SB-04
Project Name Proposed Rochester Police Station, 1200 East Main Street, Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York 14604
Elevation _____ **Weather** Overcast **Technician** E. Ashley
Date Started 10.22.2018 **Completed** 10.22.2018 **Operator** Dillon
Soil Probe Subcontractor LaBella Environmental **Equipment** Geoprobe 6620 DT

Soil Probe Photos

Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications	Remarks
14				Compact tan-brown moist SAND, some gravel, little silt
16				Soil Probe Terminated at 14'8" (Sampler Refusal)
18				14'8"
20				
22				
24				

Notes:

1. Dry on completion.
2. Staked locations and elevations provided by LaBella Associates, DPC



300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Phase II Environmental Site Assessment
Location:
Various East Main & Laura Street Properties
Client:
City of Rochester

BORING: SB-05
SHEET 1 OF 1
JOB: 2182882
CHKD BY: DN
DATE: 10/22/2018

CONTRACTOR: LaBella Env. LLC	BORING LOCATION:	TIME: 1523 TO 1538
DRILLER: DH	GROUND SURFACE ELEVATION: NA	DATUM: NA
LABELLA REPRESENTATIVE: MM	START DATE: 10/22/18	END DATE: 10/22/18
		WEATHER: Cloudy

TYPE OF DRILL RIG: Geoprobe 6620DT	DRIVE SAMPLER TYPE: Macrocore
AUGER SIZE AND TYPE: NA	INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push	OTHER:

DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)			
0	34		0	Organics, dark silt, no odor, topsoil.	0.0	
1			1	Light brown silt, tightly packed minor coarse sand. No odor, no staining.	0.0	
2			2.3	More coarse sand, light brown silt/some sand. Some medium subangular gravel.	0.0	
3						
4						
5	30		5.7	Light brown sand, medium subangular gravel, tightly packed silt/some sand. No odor, no staining.	0.0	
6						
7						
8			8	Refusal 8'	0.0	
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES: Samples 6-8'
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
NA	NA	NA	NA	8.0	No	

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

BORING: SB-05



SOIL • BEDROCK • GROUNDWATER

Soil Probe Log

Project No. 4510.0 **Page** 1 of 2 **Soil Probe No.** SB-07
Project Name Proposed Rochester Police Station, 1200 East Main Street, Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York 14604
Elevation _____ **Weather** Overcast **Technician** E. Ashley
Date Started 10.22.2018 **Completed** 10.22.2018 **Operator** Dillon
Soil Probe Subcontractor LaBella Environmental **Equipment** Geoprobe 6620 DT

Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications	Remarks
2			TOPSOIL	0'6"
4	S-1	0'-5'		FILL: Firm red-brown-black mottled moist to wet SILT, some sand, little gravel, trace to little organic Compact tan-brown moist SAND, some gravel, some silt, trace organic at 2'6"
6	S-2	5'-8'		S-2: red-brown-tan wet to saturated from 6'-6'6"
8				Soil Probe Terminated at 8'0" (Sampler Refusal)
10				
12				

Notes:

1. Dry on completion.
2. Staked locations and elevations provided by LaBella Associates, DPC

Soil Probe Photos



Site Pictures



300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Phase II Environmental Site Assessment
Location:
Various East Main & Laura Street Properties
Client:
City of Rochester

BORING: SB-08
SHEET 1 OF 1
JOB: 2182815
CHKD BY: DN
DATE: 11/1/2018

CONTRACTOR: NYEG Drilling	BORING LOCATION: see map	TIME: TO
DRILLER: Chris	GROUND SURFACE ELEVATION: NA	DATUM: NA
LABELLA REPRESENTATIVE: ED/JP	START DATE: 11/1/18	END DATE: 11/1/18
		WEATHER: Cloudy, rain, 50s

TYPE OF DRILL RIG: Geoprobe 7720DT	DRIVE SAMPLER TYPE: 5 ft Macrocore
AUGER SIZE AND TYPE: NA	INSIDE DIAMETER: 2"
OVERBURDEN SAMPLING METHOD: Direct Push	OTHER:

DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS	
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)				
0				0-0.75 ft: asphalt and mf Gravel base (A)	0':0		
1	45" ↓	1 - 0.75 to 1.25 ft	0.75	@ 0.75 ft: dark brown to black SILT, some cinders, little cmf Gravel (A to SA), dry - fill	1':0		
2			1.25	@ 1.25 ft: light brown SILT, little vf Sand, little cmf Gravel, trace Clay, Fe mottling, moist	2':0		
3						3':0	
4				@4.0 ft: as above with some vf Sand, some cmf Gravel (SA)	4':0		
5					5':0		
6	31" ↓				6':0		
7						7':0	
8						8':0	
9					9':0		
10					10':0		
11	24" ↓	2 - 12.75 to 13.4 ft		@ 11.5 ft: 3" clay lense	11':0		
12						12':0	
13			12.75	@ 12.75 ft: grey to black (discoloration) cmf Gravel (A to SA) and Silt, wet sewage-type odor; no sheen	13':0.4 13.4':0.2		
14					13.4		
15				Total depth = 13.4 ft bgs (refusal on presumed bedrock)			
16							
17							
18							
19							
20							

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
NA	NA	NA	NA	13.4	No	

GENERAL NOTES

- STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 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

BORING: SB-08



SOIL • BEDROCK • GROUNDWATER

Test Pit Log

Project No. 4510.0 **Page** 1 of 1 **Test Pit No.** TP18-1
Project Name Proposed Rochester Police Station, 1200 East Main., Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York
Weather Overcast/rain, 40's **Engineer** E. Ashley
Date Started 10.17-2018 **Completed** 10.17-2018 **Operator** Pete
Backhoe Subcontractor LaBella Associates, DPC **Equipment** CAT308E excavator

Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications	Remarks
2			TOPSOIL, roots, cobbles, trace bottle, plastic, brick	1'10"
4	S-1	2'6"	Compact to dense red-brown damp to moist SILT, some sand, little to some gravel, few to little cobbles, trace roots, trace organics, few boulders	
6			large slab rock north end of the test pit at 3'7"	
8				7'0"
10				Test Pit Terminated at 7'0" (Refusal)
12				

Notes:

- Sides vertical upon completion.
- Dry on completion.
- Staked location provided by LaBella Associates, DPC.

Site Pictures

TP18-1



Spoil Pile





SOIL • BEDROCK • GROUNDWATER

Test Pit Log

Project No. 4510.0 **Page** 1 **of** 1 **Test Pit No.** TP18-2
Project Name Proposed Rochester Police Station, 1200 East Main, Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York
Elevation **Weather** Overcast/rain, 40's **Engineer** E. Ashley
Date Started 10.17-2018 **Completed** 10.17-2018 **Operator** Pete
Backhoe Subcontractor LaBella Associates, DPC **Equipment** CAT308E excavator

TP18-2



Spoil Pile



Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications	Remarks
			TOPSOIL	0'3"
2			FILL: Firm black damp to moist SILT, some sand, little to some gravel, little organic, trace roots	1'0"
			TOPSOIL	2'0"
4	S-1	3'6"	Firm to compact red-brown moist SILT, some sand, little to some gravel, few to little cobbles, few boulders	
6				5'9"
8				
10				
12				

Test Pit Terminated at 5'9" (Refusal)

Notes:

- Sides vertical upon completion.
- Dry on completion.
- Staked location provided by LaBella Associates, DPC.

Site Pictures



SOIL • BEDROCK • GROUNDWATER

Test Pit Log

Project No. 4510.0 **Page** 1 **of** 1 **Test Pit No.** TP18-3
Project Name Proposed Rochester Police Station, 1200 East Main, Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York
Elevation **Weather** Overcast/rain, 40's **Engineer** E. Ashley
Date Started 10.17-2018 **Completed** 10.17-2018 **Operator** Pete
Backhoe Subcontractor LaBella Associates, DPC **Equipment** CAT308E excavator

Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications	Remarks
2	S-1	0'6"	ROOT MAT	0'2"
4			FILL: Loose grey-brown moist SAND, little to some gravel, trace to little silt, trace roots, few cobbles	1'3"
6			FILL: Firm red-brown-black moist SILT, some sand, little gravel, trace ash, trace wire, trace roots, trace organic	3'8"
8			black from 3'4" to 3'8" Firm to compact red-brown moist SILT, some sand, some gravel, few to little cobbles, few boulders/slab rock	
10				10'5"
12				

Notes:
 1. Sides vertical upon completion.
 2. Dry on completion.
 3. Staked location provided by LaBella Associates, DPC.

Test Pit Terminated at 10'5" (Refusal)

Site Pictures

TP18-3



Spoil Pile





SOIL • BEDROCK • GROUNDWATER

Test Pit Log

Project No. 4510.0 **Page** 1 **of** 1 **Test Pit No.** TP18-4
Project Name Proposed Rochester Police Station, 1200 East Main, Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York
Elevation **Weather** Overcast/rain, 40's **Engineer** E. Ashley
Date Started 10.17-2018 **Completed** 10.17-2018 **Operator** Pete
Backhoe Subcontractor LaBella Associates, DPC **Equipment** CAT308E excavator

TP18-4

Site Pictures



Spoil Pile



Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications	Remarks
2				
4				
6				
8				
10				
12				

FILL: Loose to firm grey moist CRUSHER-RUN STONE

7'0"

Test pit terminated at 7'0"

Notes:

1. Sides raveled and caved continuously while digging.
2. Dry on completion.
3. Staked location provided by LaBella Associates, DPC.
4. Terminated due to raveling, caving in close proximity to environmental lines.



SOIL • BEDROCK • GROUNDWATER

Test Pit Log

Project No. 4510.0 **Page** 1 **of** 1 **Test Pit No.** TP18-5
Project Name Proposed Rochester Police Station, 1200 East Main, Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York
Elevation **Weather** Overcast/rain, 40's **Engineer** E. Ashley
Date Started 10.17-2018 **Completed** 10.17-2018 **Operator** Pete
Backhoe Subcontractor LaBella Associates, DPC **Equipment** CAT308E excavator

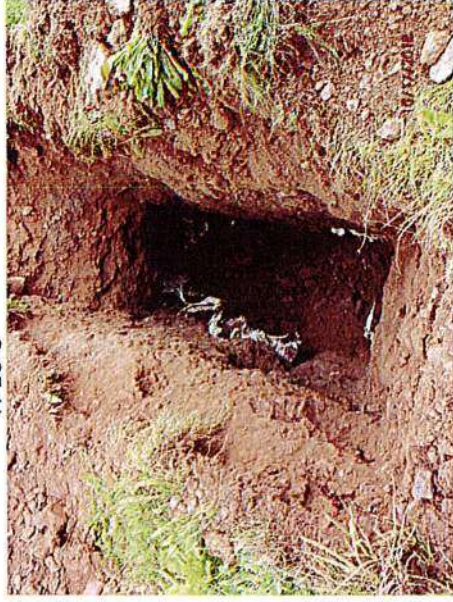
Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications	Remarks
2			TOPSOIL	0'5"
4	S-1	4'0"		FILL: Firm brown moist SILT and SAND, some gravel, trace to little organic, few to little cobbles, trace metal, trace brick, trace plastic, trace concrete, trace asphalt
6				
8				
10				9'5"
12				

Notes:

- Sides vertical upon completion.
- Dry on completion.
- Staked location provided by LaBella Associates, DPC.

Site Pictures

TP18-5



Spoil Pile





SOIL • BEDROCK • GROUNDWATER

Test Pit Log

Project No. 4510.0 **Page** 1 **of** 1 **Test Pit No.** TP18-6
Project Name Proposed Rochester Police Station, 1200 East Main, Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York
Elevation _____ **Weather** Overcast/rain, 40's **Engineer** E. Ashley
Date Started 10.17-2018 **Completed** 10.17-2018 **Operator** Pete
Backhoe Subcontractor LaBella Associates, DPC **Equipment** CAT308E excavator

TP18-6



Spoil Pile



Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications	Remarks
2			TOPSOIL FILL: Firm brown moist SILT, some sand, some gravel, little to cobbles/boulders/slab rock, trace to little organic, trace to little brick, trace to little plastic, trace to little wood, trace to little concrete chunks/slab pieces	0'4"
4				3'9" Test pit Terminated at 3'9" (massive obstruction)
6				
8				
10				
12				

- Notes:
- Sides vertical upon completion.
 - Dry on completion.
 - Staked location provided by LaBella Associates, DPC.
 - Terminated on obstruction, not bedrock.



SOIL • BEDROCK • GROUNDWATER

Test Pit Log

Project No. 4510.0 **Page** 1 **of** 1 **Test Pit No.** TP18-7
Project Name Proposed Rochester Police Station, 1200 East Main, Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York
Elevation **Weather** Overcast/rain, 40's **Engineer** E. Ashley
Date Started 10.17-2018 **Completed** 10.17-2018 **Operator** Pete
Backhoe Subcontractor LaBella Associates, DPC **Equipment** CAT308E excavator

Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications	Remarks
2			TOPSOIL	
4				
6				
8				
10				
12				

Site Pictures

TP18-7



Spoil Pile



Notes:

1. Sides sloughed.
2. Dry on completion.
3. Staked location provided by LaBella Associates, DPC.

Test Pit Terminated at 9'0"



SOIL • BEDROCK • GROUNDWATER

Test Pit Log

Project No. 4510.0 **Page** 1 **of** 1 **Test Pit No.** TP18-8
Project Name Proposed Rochester Police Station, 1200 East Main, Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York
Elevation **Weather** Overcast/rain, 40's **Engineer** E. Ashley
Date Started 10.17-2018 **Completed** 10.17-2018 **Operator** Pete
Backhoe Subcontractor LaBella Associates, DPC **Equipment** CAT308E excavator

Site Pictures

TP18-8



Spoil Pile



Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications	Remarks
2			TOPSOIL, 2" steel conduit (E-W direction)	0'4"
4			FILL: Firm brown moist SILT, SAND, GRAVEL, little organic, little brick, little asphalt, little cobbles, little glass	
6				6'4"
8			Firm to compact red-brown moist SILT, some sand, some gravel, few to little cobbles and boulders/slab rock (possible fill)	8'0"
10				Test Pit Terminated at 8'0"
12				

Notes:

1. Sides sloughed.
2. Dry on completion.
3. Staked location provided by LaBella Associates, DPC.



SOIL • BEDROCK • GROUNDWATER

Test Pit Log

Project No. 4510.0 **Page** 1 **of** 1 **Test Pit No.** TP18-9
Project Name Proposed Rochester Police Station, 1200 East Main, Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York
Elevation _____ **Weather** Pky, cloudy, 30's/40's **Engineer** E. Ashley
Date Started 10.18-2018 **Completed** 10.18-2018 **Operator** Pete
Backhoe Subcontractor LaBella Associates, DPC **Equipment** CAT308E excavator

Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications	Remarks
			TOPSOIL, ROOTS	1'3"
2			FILL: Loose to firm brown damp SILT, some sand, little gravel, little to some brick, little to some cut slab rock, little to some ash, little to some metal, little to some tile, little to some bottles, little to some clay tile, little to some concrete, little to some glass, little to some organic	
4			±30%, 50% brick	
6			Test Pit Terminated at 5'3" (Refusal)	5'3"
8				
10				
12				

Notes:

1. Sides vertical.
2. Dry on completion.
3. Staked location provided by LaBella Associates, DPC.
4. Obstruction west end of TP at 5'3" possible footing or rock

Site Pictures

TP18-9



Spoil Pile





SOIL • BEDROCK • GROUNDWATER

Test Pit Log

Project No. 4510.0 **Page** 1 **of** 1 **Test Pit No.** TP18-10
Project Name Proposed Rochester Police Station, 1200 East Main, Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York
Elevation _____ **Weather** Ppty, cloudy, 30's/40's **Engineer** E. Ashley
Date Started 10.18-2018 **Completed** 10.18-2018 **Operator** Pete
Backhoe Subcontractor LaBella Associates, DPC **Equipment** CAT308E excavator

Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications	Remarks
2			TOPSOIL	0'3"
4			FILL: Firm brown moist SILT, SAND, and GRAVEL, little to some asphalt, little to some brick, little to some organic, little to some concrete pavers/pieces, little to some cut slab rock, little to some wire cable, little to some wood	
6			Firm red-brown moist SILT, some sand, some gravel, few cobbles/slab rock/boulders	4'4"
8			Test Pit Terminated at 7'0" (Refusal)	7'0"
10				
12				

Notes:

1. Sides vertical.
2. Dry on completion.
3. Staked location provided by LaBella Associates, DPC.

Site Pictures

TP18-10



Spoil Pile





SOIL • BEDROCK • GROUNDWATER

Test Pit Log

Project No. 4510.0 **Page** 1 **of** 1 **Test Pit No.** TP18-11
Project Name Proposed Rochester Police Station, 1200 East Main, Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York
Elevation _____ **Weather** Pky, cloudy, 30's/40's **Engineer** E. Ashley
Date Started 10.18-2018 **Completed** 10.18-2018 **Operator** Pete
Backhoe Subcontractor LaBella Associates, DPC **Equipment** CAT308E excavator

TP18-11



Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications	Remarks
			TOPSOIL	0'3"
2			FILL: Compact brown moist SILT, GRAVEL and COBBLES, some sand, little organic, little roots, trace brick	
4			Compact red-brown moist SILT, some sand, some gravel, little cobbles/boulders/slab rock, trace clay	3'0"
6				6'6"
8				
10				
12				

Test Pit Terminated at 6'6" (Refusal)

Notes:

1. Sides vertical.
2. Dry on completion.
3. Staked location provided by LaBella Associates, DPC.



SOIL • BEDROCK • GROUNDWATER

Test Pit Log

Project No. 4510.0 **Page** 1 **of** 1 **Test Pit No.** TP18-12
Project Name Proposed Rochester Police Station, 1200 East Main, Rochester, New York
Client LaBella Associates, DPC, 300 State Street, Suite 201, Rochester, New York
Elevation _____ **Weather** Pky, cloudy, 30's/40's **Engineer** E. Ashley
Date Started 10.18-2018 **Completed** 10.18-2018 **Operator** Pete
Backhoe Subcontractor LaBella Associates, DPC **Equipment** CAT308E excavator

Depth Below Surface	Sample Number	Depth of Sample	Soil and Rock Classifications	Remarks
2			TOPSOIL	0'3"
4			FILL: Compact brown moist SILT, SAND, and GRAVEL, little to some organics, little to some slab rock, little to some cobbles, little to some concrete, trace wood	
6			CONCRETE SLAB	4'1" 4'3"
8			Compact to dense red-brown moist SILT and SAND, little to some gravel, little to some gravel cobbles/slab rock/boulders	5'9"
10			Test Pit Terminated at 5'9" (Refusal)	
12				

Notes:

1. Sides vertical upon completion
2. Dry on completion.
3. Staked location provided by LaBella Associates, DPC
4. Foundation still in place, visible on surface.

Site Pictures

TP18-12



Spoil Pile





300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

PROJECT NAME: Phase II Environmental Site Assessment
LOCATION: 1238/1240 East Main Street, Rochester, NY

MONITORING WELL BW-01

SHEET 1 OF 2

JOB # 2182815

CHKD. BY:

CONTRACTOR: NYEG Drilling, Inc.

BORING LOCATION

DRILLER: Chris/Joel

GROUND SURFACE ELEVATION

DATUM

LABELLA REPRESENTATIVE: JP/DN

START DATE: 11/2/18

END DATE: 11/3/18

TYPE OF DRILL RIG: CME 55

AUGER SIZE AND TYPE: 6.25-inch HAS

OVERBURDEN SAMPLING METHOD: 2" Split spoon

ROCK DRILLING METHOD: NX Core Barrel, rotary drilling

WATER LEVEL DATA

DATE	TIME	WATER	REMARKS

DEPTH	BLOW COUNT / 6'	SAMPLE INTERVAL (FT)	CORE RECOVERY	RQD (%)	VISUAL OBSERVATIONS	WELL INSTALLATION INFORMATION		PID (ppm)	NOTES
1	4		19'	NA	@ 0 ft: dark brown SILT, little vf Sand, trace glass and slag, moist - fill @ 1.0 ft: light brown SILT, little vf Sand, little mf Gravel (A to SA), dry - fill @ 4.5 ft: as above but medium dense @ 5.5 ft: as above with little cmf Gravel, moist @ 6.25 ft: pushed through cobble/stone; 2" thick and fragmented @ 6.5 ft: light brown vf SAND and Silt, little cmf Gravel, moist, dolomite-like rock fragment in cutting shoe @ 8 ft: difficult augering; auger through boulder or weathered bedrock then into soil at approx. 8.5 ft @ +/- 9 ft: encounter presumed weathered bedrock; drive spoon from 9-9.4 ft (spoon refusal) @ 9.2 ft: weathered dolomite in spoon and cutting shoe (3" thick) Run 1: 10-15 ft bgs; dolomite; medium light grey to medium grey; hard; fresh to light weathering; laminar to parting bedding; very close to close fracturing; pitted to vug voids @ 14.1 ft: vug @ 14.2 ft: moderate weathering of discontinuity (i.e. Fe staining) @ 14.6 ft: moderate weathering of discontinuity (i.e. Fe staining) Run 2: 15-20 ft bgs; dolomite; medium light grey to medium grey; hard to very hard; slightly to moderate weathering; laminar to parting bedding, close fracturing; pitted to vug voids				
	5		↓	↓					
	6								
2	6		18'						
	5		↓						
3	13								
	15								
4	10		19.5'						
	4		↓						
5	12								
	14								
6	14		21'						
	15		↓						
7	17								
	19								
8	14		NA						
	NA		↓						
9	↓								
	50/0.4		3'						
10	NA	Run 1	10-15'=62%	10-15'=49.2%					
	↓								
11									
12									
13									
14									
15		Run 2	15-20'=99%	15-20'=87.9%					
16									

NOTES: Augured through bedrock from approx. 9-10 ft bgs to form rock socket for 4" diam steel well casing.
No evidence of impairment observed during boring/well installation

GENERAL NOTES:

N LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER
DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

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

BGS = Below Ground Surface
NA = Not Applicable

MONITORING WELL BW-01



100 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

PROJECT NAME: Phase II Environmental Site Assessment
LOCATION: 1238/1240 East Main Street, Rochester, NY

MONITORING WELL BW-01
SHEET 2 OF 2
JOB # 2182815
CHKD. BY:

CONTRACTOR: NYEG Drilling, Inc.

DRILLER: Chris/Joel

LABORER REPRESENTATIVE: JP, DN

BORING LOCATION

GROUND SURFACE ELEVATION

START DATE: 11/2/18

DATUM

END DATE: 11/3/18

TYPE OF DRILL RIG: CME 55

BOREHOLE SIZE AND TYPE: 6.25-inch HAS

UNBURDENED SAMPLING METHOD: 2" Split spoon

DRILLING METHOD: NX Core Barrel, rotary drilling

WATER LEVEL DATA			
DATE	TIME	WATER	REMARKS
11/8/2018		approx 15' btoe	

DEPTH (ft)	BLOW COUNT / 6"	SAMPLE INTERVAL (FT)	CORE RECOVERY	RQD (%)	VISUAL OBSERVATIONS	WELL INSTALLATION INFORMATION	PID (ppm)	NOTES
17	NA	Run 2	15-20'=99%	15-20'=87.9%	@ 15.1 ft: moderate weathering of discontinuity (i.e. Fe staining) @ 15.2 ft: vug with calcite crystals in void; at 15.4 ft: moderate weathering of discontinuity moderate weathering of discontinuities observed at approx. 16.1 ft, 17.8 ft, 18.9 ft		Run 2: 0.0 ppm	
18	↓							
19								
20		Run 3	20-25'=93%	20-25'=84.5%				
21	↓				Run 3: 20-25 ft bgs; dolomite; medium light grey to medium grey; hard to very hard; slightly to moderate weathering; laminar bedding; close fracturing, pitted to vug voids			
22								
23					@ 22.9 ft; moderate weathering of discontinuity (staining)		Run 3: 0.0 ppm	
24								
25						25		
26					Total corehole depth = 25 ft bgs			
27								
28								
29								
30								
31								
32							Run 1 (10-15 ft): 0.0 ppm	

NOTES: No evidence of impairment observed in core; monitoring well BW-01 set at 24 ft (screen 24-14 ft, sandpack 24-11 ft, bentonite seal 11-9 ft, grout 9-1 ft)

GENERAL NOTES:

VERTICAL LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
PUMPINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER
LEVELS MAY BE DIFFERENT DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

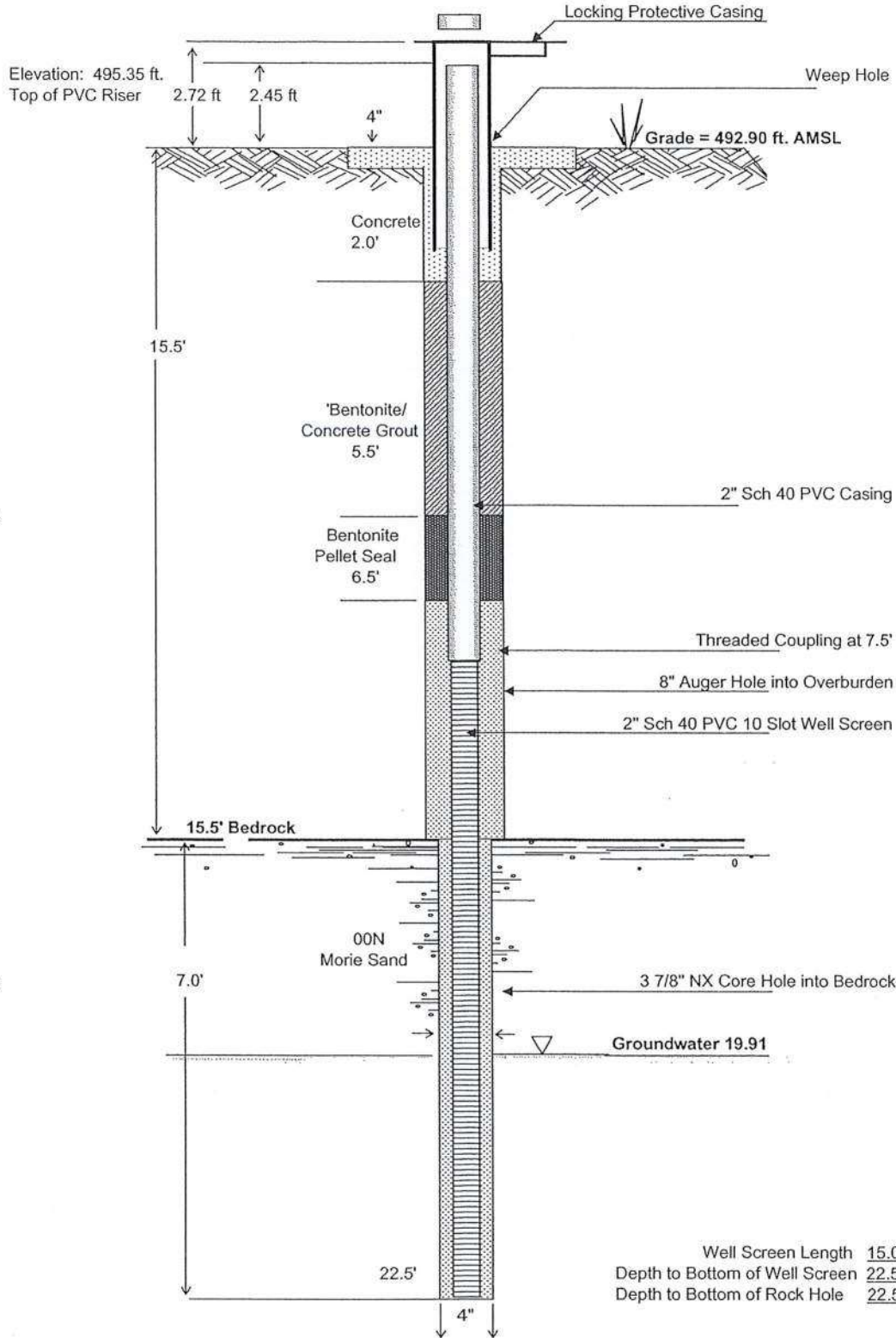
and = 35 - 50%	C = Coarse	R = Rounded	BGS = Below Ground Surface
some = 20 - 35%	M = Medium	A = Angular	NA = Not Applicable
little = 10 - 20%	F = Fine	SR = Subrounded	
trace = 1 - 10%	VF = Very Fine	SA = Subangular	

Table 8
Groundwater Elevation Measurements
Site B-00129-8
1200 East Main Street
Rochester, NY

Monitoring Well Number	Date Gauged	Total Depth of Well (ft.)	Monitoring Well Diameter (in.)	Top of Casing Reference Elevation (ft.)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Adjusted Groundwater Depth (ft.)	Calculated Groundwater Elevation (ft.)
MW-1	11/8/2016	24.08	2.00	495.35	None	19.58	0.00	19.58	475.77
MW-2	11/8/2016	24.19	2.00	496.02	None	22.34	0.00	22.34	473.68
MW-3	11/8/2016	21.79	2.00	492.02	None	16.30	0.00	16.30	475.72
MW-4	11/8/2016	21.12	2.00	492.00	None	17.19	0.00	17.19	474.81
MW-5	11/8/2016	24.51	2.00	492.70	None	NA	0.00	NA	NA
MW-6	11/8/2016	23.59	2.00	492.65	None	NA	0.00	NA	NA
MW-7R	11/8/2016	22.50	2.00	491.97	None	17.27	0.00	17.27	474.70
MW-8	11/8/2016	22.20	2.00	494.91	None	20.98	0.00	20.98	473.93
MW-9R	11/8/2016	23.47	2.00	492.41	None	13.13	0.00	13.13	479.28
MW-10	11/8/2016	26.49	2.00	496.14	None	NA	0.00	NA	NA
MW-11	11/8/2016	28.80	2.00	495.95	None	19.32	0.00	19.32	476.63
MW-12	11/8/2016	22.03	2.00	491.17	None	NA	0.00	NA	NA
MW-13	11/8/2016	22.80	2.00	490.53	None	NA	0.00	NA	NA
MW-14	11/8/2016	19.70	2.00	489.48	None	NA	0.00	NA	NA
MW-15R	11/8/2016	23.16	2.00	492.54	None	17.50	0.00	17.50	475.04
MW-16	11/8/2016	23.40	2.00	492.50	None	17.85	0.00	17.85	NA

NA = Not Available

**STICKUP MONITORING WELL
MW-1**



Profile Description

2.0' to 4.0'

Brown sandy silty Clay
no gravel, homogenous,
moist.

4.0' to 6.0'

sandy Clay.
rock in the end of spoon.

6.0' to 8.0'

Brown sandy silty Clay,
trace gravel, moist.

8.0' to 10.0'

Brown sandy Clay,
trace gravel some silt, wet.

10.0' to 12.0'

Brown sandy Clay,
trace gravel, wet.

12.0' to 14.0'

Brown sandy Clay,
trace gravel, wet.
Some Discoloration.

14.0' to 15.5'

Some clay, silt, gravel
and wet.
Discoloration.

15.5' to 18.0'

Decent Core sample.
Little verticle fracturing.

18.0' to 20.0'

Some horizontal fracturing

Core Recovery

76"/84"=90%

RQD

51.75"/84"=62%

20.0' to 22.5'

Smooth surfaced
laminated bedding
medium hard rock.

Bottom of Core at 22.5'.

Well Screen Length 15.0'
Depth to Bottom of Well Screen 22.5'
Depth to Bottom of Rock Hole 22.5'

NOT TO SCALE



1200 East Main Street
City of Rochester, Monroe County, NY

**OVERBURDEN / BEDROCK INTERFACE
MW-1 MONITORING WELL CONSTRUCTION**

Date Installed
6-Jul-00
Figure
Well MW-1

**STICKUP MONITORING WELL
MW-2**

Profile Description

2.0' to 4.0'

sandy Silt, with
cobbles.
No odor or staining.

4.0' to 6.0'

silty Sand.
No odor or staining.

6.0' to 8.0'

Sandy material
No odor or staining.

8.0' to 10.0'

Sand, with gravel, wet.
No odor or staining.

10.0' to 12.0'

Sand, with gravel, wet.

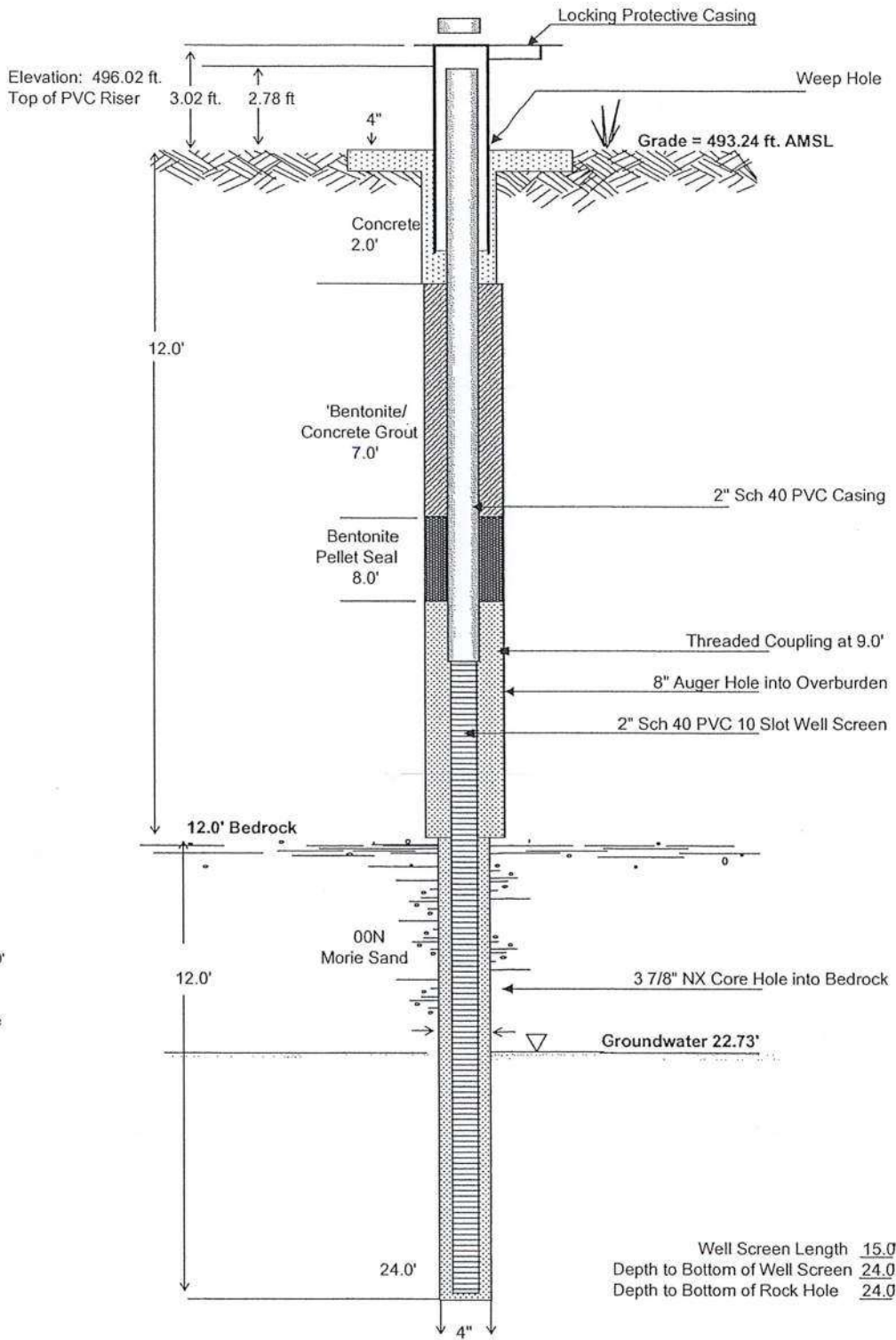
12.0' to 24.0'

No visible signs of
weakness or deterioration.
Except in the 17.9' to 18.0'
range, rock is crumbled.

No visible signs of verticle
stressing or cracking.

Core shows no signs of
discoloration.

Bottom of core at 24.0'.



Well Screen Length 15.0
Depth to Bottom of Well Screen 24.0
Depth to Bottom of Rock Hole 24.0

NOT TO SCALE



1200 East Main Street
City of Rochester, Monroe County, NY

**OVERBURDEN / BEDROCK INTERFACE
MW-2 MONITORING WELL CONSTRUCTION**

Date Installed
7-Jul-00

Figure
Well MW-2

**FLUSHMOUNT MONITORING WELL
MW-3**

Profile Description

2.0 to 13.0 ft
Mostly sandy Clay, some silt no gravel.

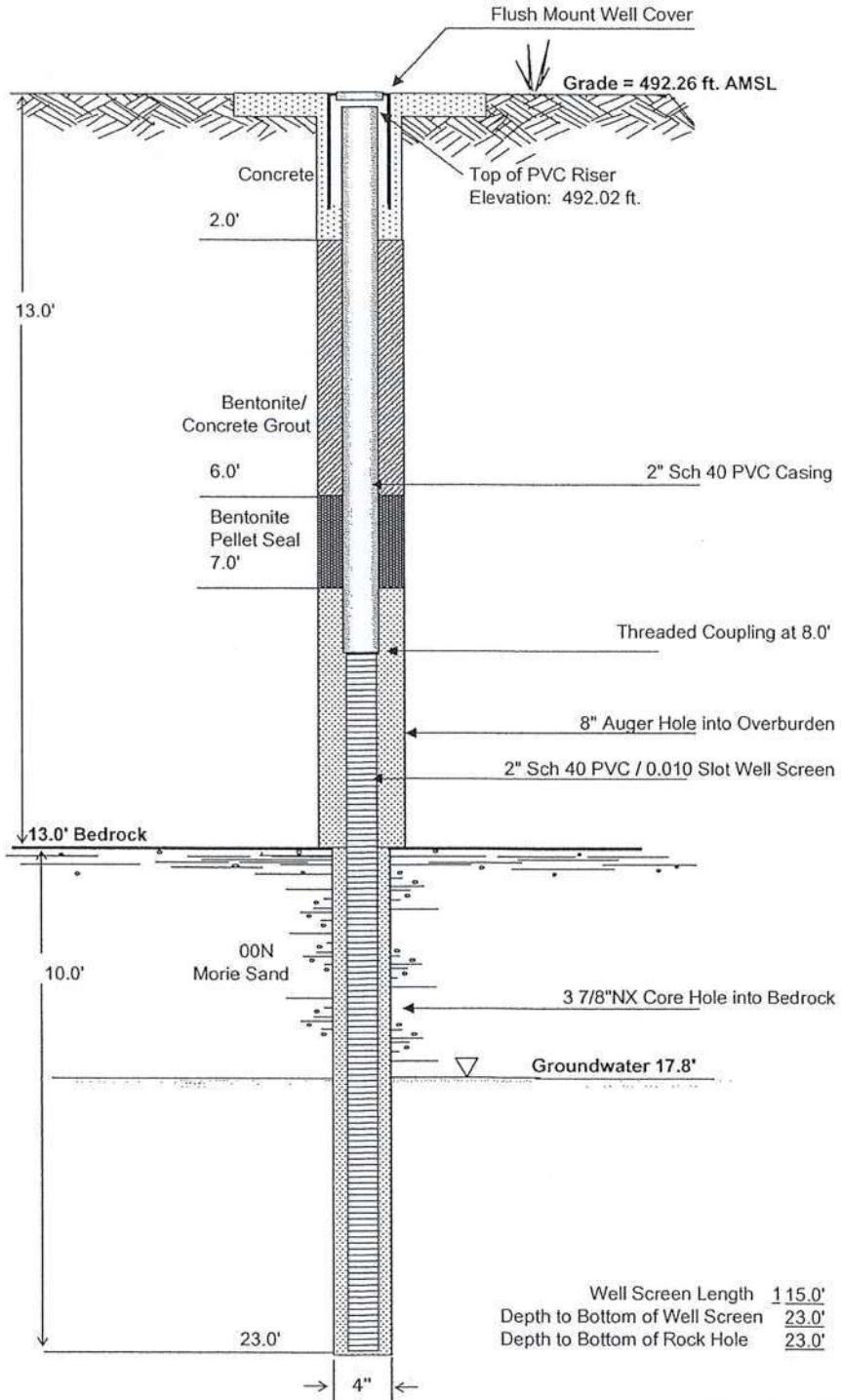
13.0' to 19.0'
Some vertical fracturing,
Some horizontal fracturing.

Core Recovery
107.5"/120"=90%

RQD
58.25"/120"=49%

19.0' to 23.0'
Smooth surfaced
laminated bedding
medium hard rock.

Bottom of core at 23.0'.



NOT TO SCALE



1200 East Main Street
City of Rochester, Monroe County, NY

**OVERBURDEN / BEDROCK INTERFACE
MW-3 MONITORING WELL CONSTRUCTION**

Date Installed:
10-Jul-00

Figure:
Well MW-3

**FLUSHMOUNT MONITORING WELL
MW-4**

Profile Description

2.0' to 13.0'
Brown mostly sandy Silt,
trace gravel. Moist.
Homogenous to interface.

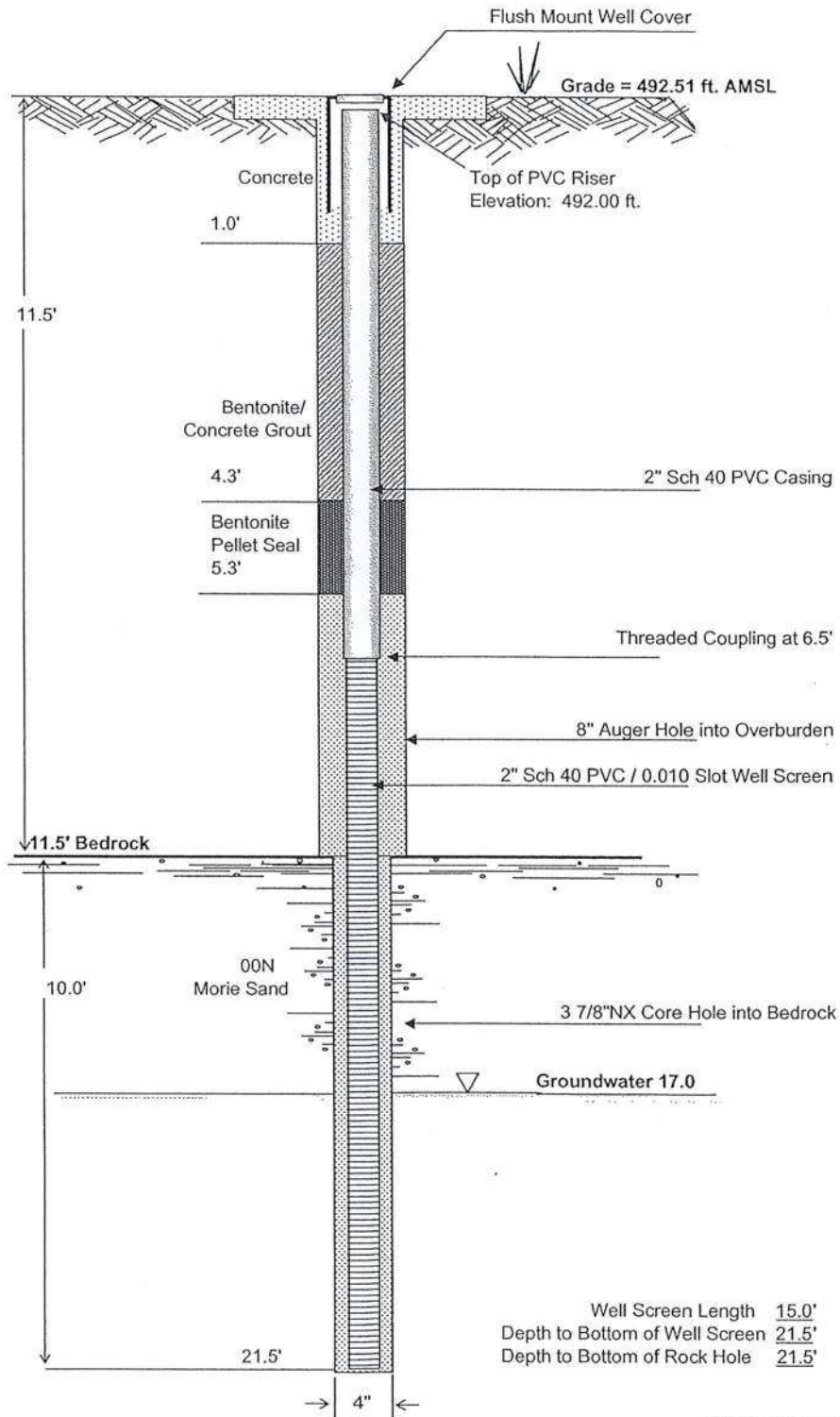
11.5' to 17.5'
Poor rock
Much vertical fracturing.
Horizontal fracturing.

Core Recovery
109'/120"=90%

RQD
52.5"/120"=44%

17.5' to 21.5'
Smooth surfaced
laminated bedding
medium hard rock.

Bottom of core at 21.5'



NOT TO SCALE



1200 East Main Street
City of Rochester, Monroe County, NY

**OVERBURDEN / BEDROCK INTERFACE
MW-4 MONITORING WELL CONSTRUCTION**

Date: 12-Jul-00
Figure: Well MW-4

DRILLING LOG



B E R G M A N N
associates

BORING/WELL NUMBER: Monitoring Well MW-5

PROJECT: 1200 East Main Street Rochester, NY Project No: 4453.02 Page No. 1 of 1
 Start Date: 07/31/2003 Finish Date: 08/01/2003 Top of Well: N/A Boring No: MW-5
 Driller: Joe Gardner, Buffalo Drilling Boring Location: In front of house at 1216 East Main Street
 Inspector: Edward Jones, Bergmann Associates Water Level (During Drilling): Not encountered above bedrock
 Drilling Method: 4-1/4 inch HAS Augers, Mobil B-61 truck rig Water Level (Post Drilling): Approximately 15.39 feet below grade
 Remarks: Advanced test borings via Hollow Stem Augers. Monitoring well installed through augers via pull back method.
 Screened Interval: 25.0 ft. to 13.0 ft. Slot Size: 0.010 inch Well Type: 2" dia. PVC Sandpack: 25.0 ft to 12.0 ft
 Seal: 12.0 feet to 8.0 feet Weather Conditions: Sunny, 72 degrees in the morning

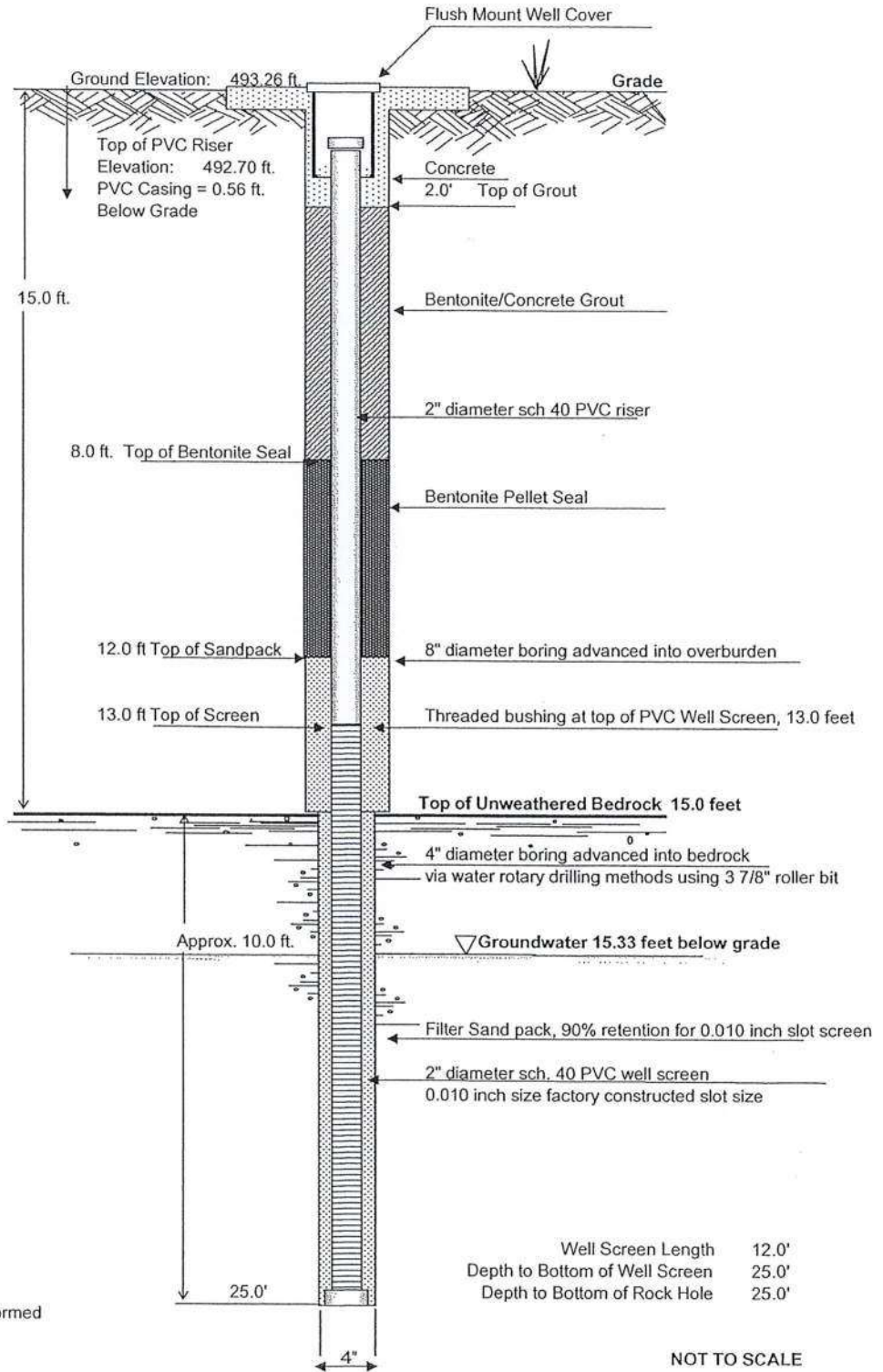
Flush to grade roadway box installed over the monitoring well.

DEPTH	BLOWS ON SAMPLER				SAMPLE					SOIL AND ROCK INFORMATION	Field Screening for VOCs, ppm, using PID
	0"/6"	6"/12"	12"/18"	18"/24"	N	NO.	Depth	Type	Recovery		
0	-	5			9	1	0-2'	soil	42%	Concrete sidewalk surface, fill to 1.0-Damp Br. F. SAND and Silt, tr. Gravel V. Moist Br. Loost F. SAND and Silt, Some Gravel	ND
			4	4							ND
	4	3			6	2	2'-4'	soil	67%		ND
5			3	5						Damp Br. M. Dense F SAND and Silt, Some Gravel	ND
	4	10			24	3	4'-6'	soil	71%		ND
10			14	14						Damp Br. V. Dense F SAND and Silt Some Gravel Same, M. Dense, V. Moist at 10'	ND
	27	22			52	4	6'-8'	soil	88%		ND
			30	25							ND
	12	16			25	5	8'-10'	soil	92%		ND
15			9	19						Moist Dense F-M SAND, Some Silt, Some Gravel Same, M. Dense, moist	ND
	16	24			48	6	10'-12'	soil	63%		ND
			24	28							ND
20	19	18			40	7	12'-14'	soil	50%	Damp Br. Dense F-M SAND and Gravel some Silt. Rock in split spoon Auger refusal at 15'. Inferred as bedrock	ND
			22	20							ND
25	47	50/5"			50+	8	14'-16'	soil	83%	Spun casing into bedrock, to 15.0 ft. Advanced boring through bedrock using 3 7/8" diameter roller bit. No rock core samples collected. Rock cuttings consist of fine grained grey limestone.	ND
											15'
											25'
30										Boring terminated at 25 feet 2" dia. monitoring well installed in boring	ND

N=No. of Blows to Drive 2" Spoon 12" with 140 lb wt. Hammer 30" Each Blow

H NU PID with 10.6 ev lamp

MONITORING WELL MW-5



Advanced boring into bedrock using tri-cone roller bit. No coring performed

Well Screen Length	12.0'
Depth to Bottom of Well Screen	25.0'
Depth to Bottom of Rock Hole	25.0'

NOT TO SCALE



1200 East Main Street
City of Rochester, Monroe County, New York
Supplemental Site Investigation

MW-5 MONITORING WELL CONSTRUCTION

Date Installed	1-Aug-03
Figure	Well MW-5

DRILLING LOG



B E R G M A N N
associates

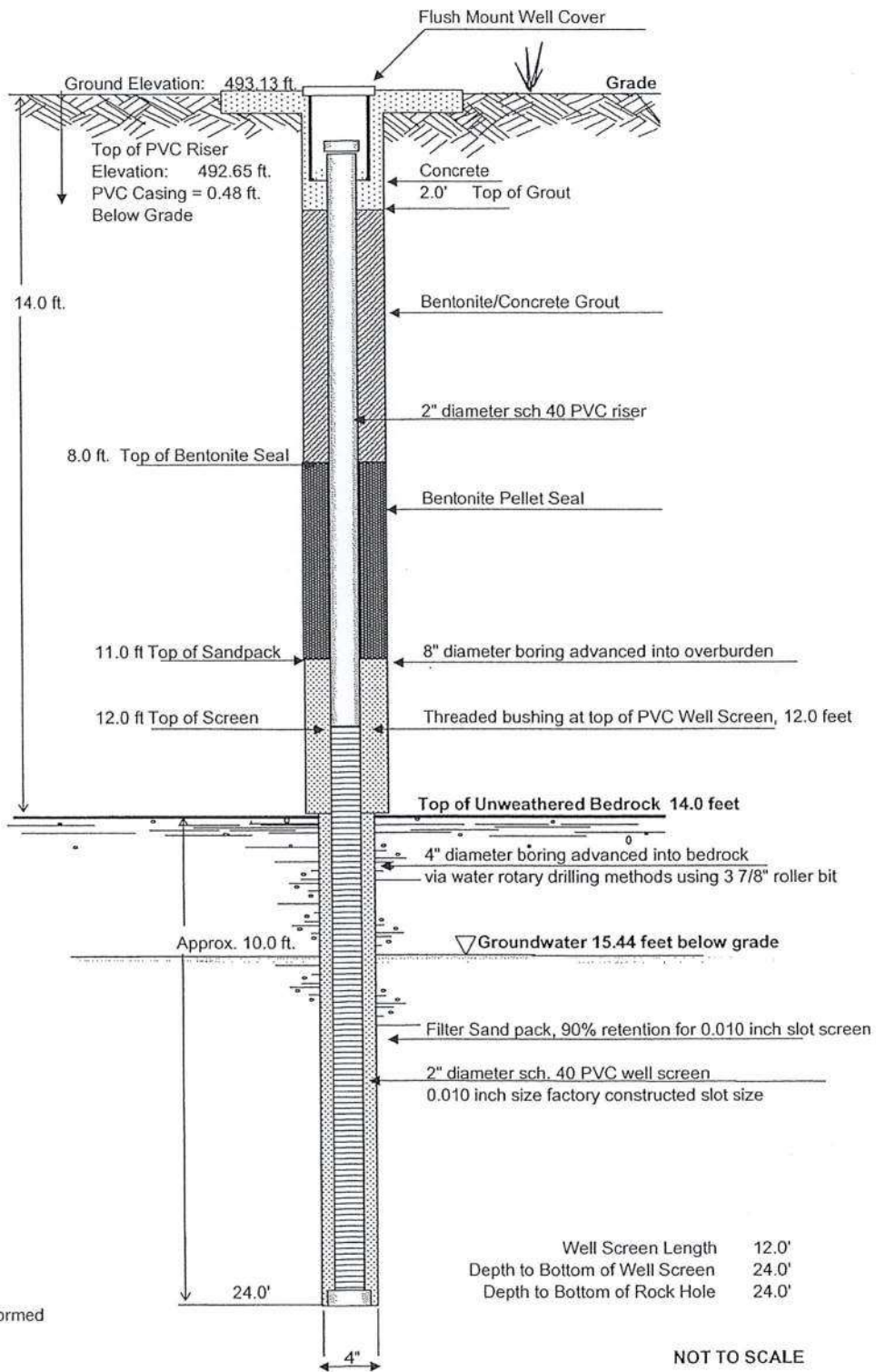
BORING/WELL NUMBER: Monitoring Well MW-6

PROJECT: 1200 East Main Street Rochester, NY Project No: 4453.02 Page No. 1 of 1
 Start Date: 07/30/2003 Finish Date: 07/30/2003 Top of Well: N/A Boring No: MW-6
 Driller: Joe Gardner, Buffalo Drilling Boring Location: In the backyard of the house at 1216 East Main St.
 Inspector: James marscher, Bergmann Associates Water Level (During Drilling): Not encountered above bedrock
 Drilling Method: 4-1/4 inch HAS Augers, Mobil B-61 truck rig Water Level (Post Drilling): Approximately 15.4 feet below grade
 Remarks: Advanced test borings via Hollow Stem Augers. Monitoring well installed through augers via pull back method.
 Screened Interval: 24.0 ft. to 14.0 ft. Slot Size: 0.010 inch Well Type: 2" dia. PVC Sandpack: 24.0 ft to 11.0 ft
 Seal: 11.0 feet to 8.0 feet Weather Conditions: Sunny, upper 70s, lower 80s
 Flush to grade roadway box installed over the monitoring well.

DEPTH	BLOWS ON SAMPLER				SAMPLE			SOIL AND ROCK INFORMATION	Field Screening for VOCs, ppm, using PID		
	0" / 6"	6" / 12"	12" / 18"	18" / 24"	N	NO.	Depth			Type	Recovery
0	3	9			22	1	0'-2'	soil	38%	Brown Damp V. Stiff SILT with F. Sand with Gravel Same, becomes Hard Same, Hard	ND
			13	17							
	14	19			38	2	2'-4'	soil	71%		
5			19	22						Same, Hard	ND
	20	20			43	3	4'-6'	soil	50%		
30			23	16						Same, becomes Very Hard	ND
	30	50/5"			50+	4	6'-8'	soil	91%		
10	18	20			48	5	8'-10'	soil	88%	Damp Brown Hard SILT, Some Gravel with F. Sand	ND
			28	18							
15	15	17			36	6	10'-12'	soil	50%	Same, Moist Br Moist V. Hard Silt with Gravel Trace F. Sand. Auger refusal 14' 14.0'	ND
			19	20							
	11	17				67+	12'-14'	soil	25%		
20			50/4"							Auger refusal at 14'. Inferred as bedrock	ND
						8	14'-16'	soil	83%		
25										Advanced boring through bedrock using 3 7/8" diameter roller bit. No rock core samples collected. Rock cuttings consist of fine grained grey limestone.	24'
30										Boring terminated at 24 feet 2" dia. monitoring well installed in boring	H NU PID with 10.6 ev lamp

N=No. of Blows to Drive 2" Spoon 12" with 140 lb wt. Hammer 30" Each Blow

MONITORING WELL MW-6



Advanced boring into bedrock using tri-cone roller bit. No coring performed



1200 East Main Street
City of Rochester, Monroe County, New York
Supplemental Site Investigation

MW-6 MONITORING WELL CONSTRUCTION

Date Installed
30-Jul-03

Figure
Well MW-6

DRILLING LOG



B E R G M A N N
associates

BORING/WELL NUMBER: Monitoring Well MW-7

PROJECT: 1200 East Main Street Rochester, NY Project No: 4453.02 Page No. 1 of 1
 Start Date: 07/28/2003 Finish Date: 07/28/2003 Top of Well: N/A Boring No: MW-7
 Driller: Joe Gardner, Buffalo Drilling Boring Location: at 1200 East. Main St., along south property line
 Inspector: James Marschner, Bergmann Associates Water Level (During Drilling): Not encountered above bedrock
 Drilling Method: 4-1/4 inch HAS Augers, Mobil B-61 truck rig Water Level (Post Drilling): Approximately 16.9 feet below grade
 Remarks: Advanced test borings via Hollow Stem Augers. Monitoring well installed through augers via pull back method.
 Screened Interval: 23.0 ft. to 11.0 ft. Slot Size: 0.010 inch Well Type: 2" dia. PVC Sandpack: 23.0 ft to 10.0 ft
 Seal: 10.0 feet to 7.0 feet Weather Conditions: Sunny, mid-70 degrees

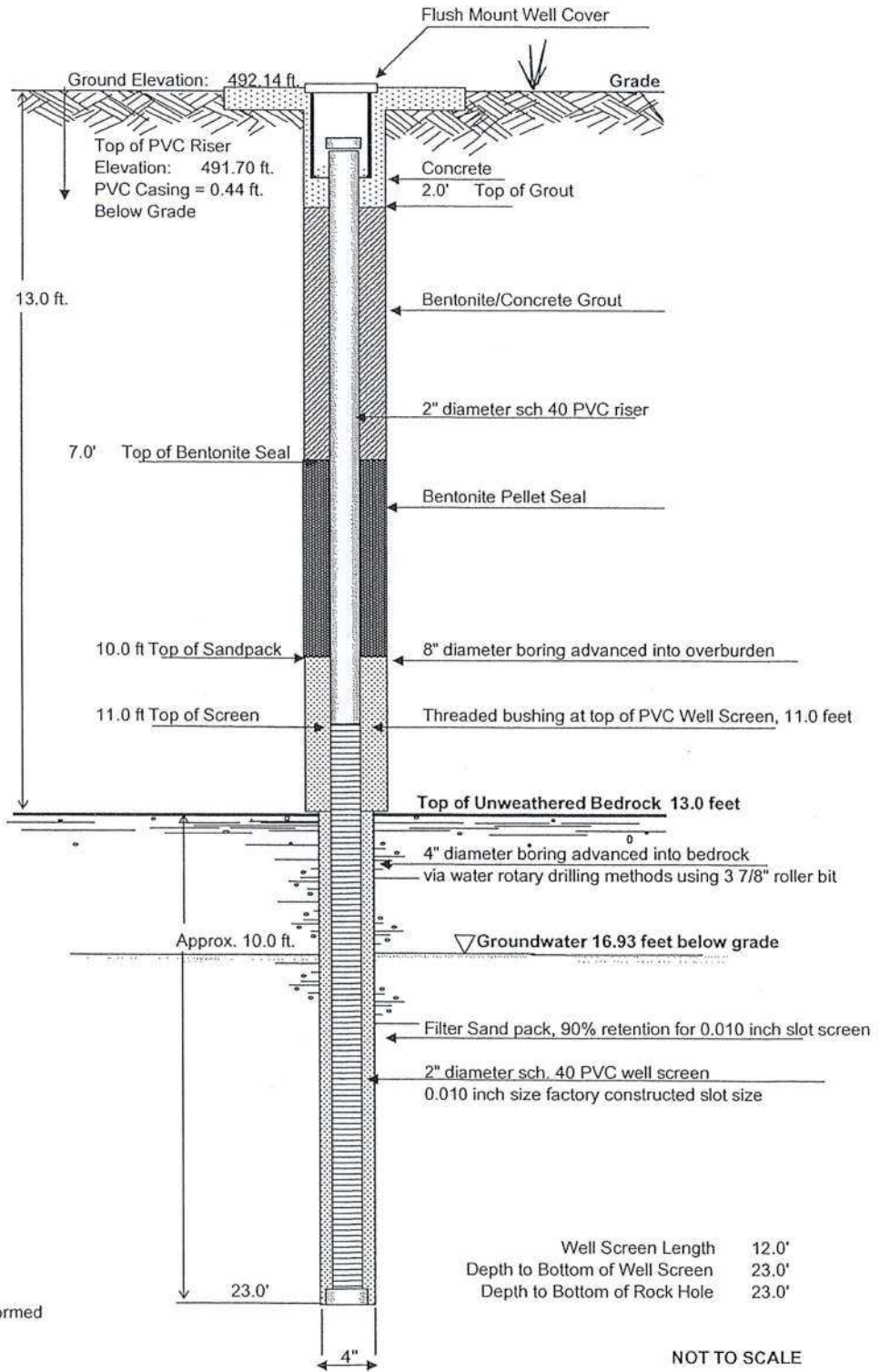
Flush to grade roadway box installed over the monitoring well.

DEPTH	BLOWS ON SAMPLER				SAMPLE			SOIL AND ROCK INFORMATION	Field Screening for VOCs, ppm, using PID		
	0"/6"	6"/12"	12"/18"	18"/24"	N	NO.	Depth			Type	Recovery
0	-	4			12	1	0-2'	soil	N/A	Concrete surface	ND
			8	32						Brown Moist Stiff SILT, Trace F. Sand	
	1	1			3	2	2'-4'	soil	N/A	Same to 2.4', then	0.9 ppm
			2	3						BR-Gray Moist Soft SILT, Trace F. Sand	petroleum odor
5	1	7			18	3	4'-6'	soil	N/A	Same, becomes V. Stiff, petroleum odor	23.3 ppm
			11	50/2"							petroleum odor
30	12	14			27	4	6'-8'	soil	67%	Brown moist V. Stiff SILT with F. Sand and Gravel	48.1 ppm
			13	13							
	12	14			27	5	8'-10'	soil	71%	Same, Very Stiff, Moist	131 ppm
10			13	13							petroleum odor
	8	10			19	6	10'-12'	soil	79%	Same, Very Stiff, Moist	137 ppm
			9	7							petroleum odor
	7	50/3"					12'-14'	soil	100%	Same, Hard more gravel present 13'	166 ppm
										Auger refusal at 13.0' inferred as bedrock	petroleum odor
15						8	14'-16'	soil	83%		
										Spun casing into bedrock, to 13.0 ft.	
										Advanced boring through bedrock using 3 7/8" diameter roller bit.	
20										No rock core samples collected.	
										Rock cuttings consist of	
										fine grained grey limestone.	
											23'
25										Boring terminated at 23.0 feet	
										2" dia. monitoring well installed in boring	
30											

N=No. of Blows to Drive 2" Spoon 12" with 140 lb wt. Hammer 30" Each Blow

H NU PID with 10.6 ev lamp

MONITORING WELL MW-7



Advanced boring into bedrock using tri-cone roller bit. No coring performed

NOT TO SCALE



BERGMANN
associates

1200 East Main Street
 City of Rochester, Monroe County, New York
 Supplemental Site Investigation

MW-7 MONITORING WELL CONSTRUCTION

Date Installed
28-Jul-03

Figure
Well MW-7

DRILLING LOG



B E R G M A N N
associates

BORING/WELL NUMBER: Monitoring Well MW-8

PROJECT: 1200 East Main Street Rochester, NY Project No: 4453.02 Page No. 1 of 1
 Start Date: 07/25/2003 Finish Date: 07/25/2003 Top of Well: N/A Boring No: MW-8
 Driller: Joe Gardner, Buffalo Drilling Boring Location: at 1200 East. Main St., southwest corner by fence.
 Inspector: James Marschner, Bergmann Associates Water Level (During Drilling): Not encountered above bedrock
 Drilling Method: 4-1/4 inch HAS Augers, Mobil B-61 truck rig Water Level (Post Drilling): Approximately 14.0 feet below grade
 Remarks: Advanced test borings via Hollow Stem Augers. Monitoring well installed through augers via pull back method.
 Screened Interval: 20.0 ft. to 8.0 ft. Slot Size: 0.010 inch Well Type: 2" dia. PVC Sandpack: 20.0 ft to 7.0 ft
 Seal: 7.0 feet to 4.0 feet Weather Conditions: Sunny, upper 60s in the morning

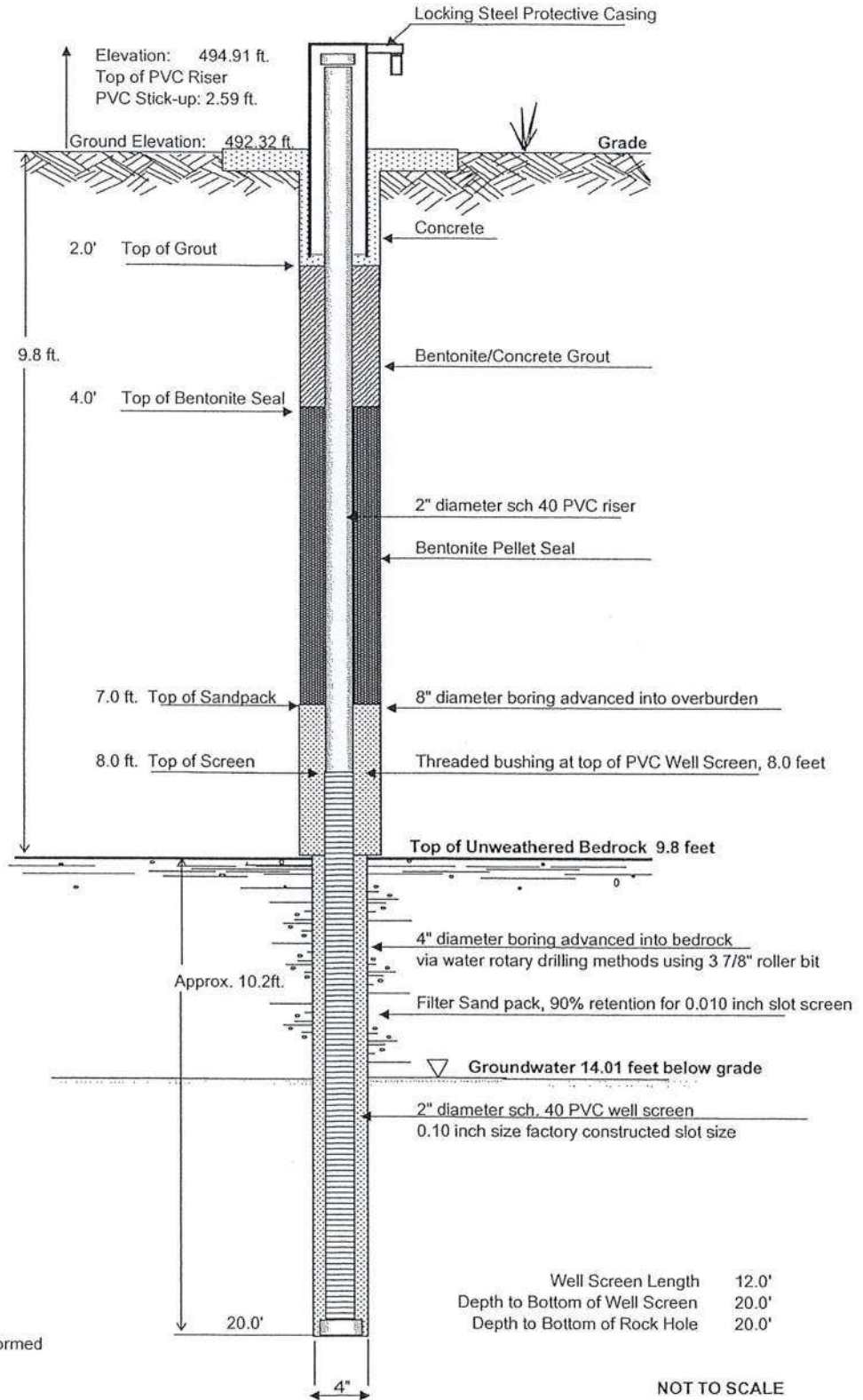
Protective Steel Casing installed over the monitoring well.

DEPTH	BLOWS ON SAMPLER				SAMPLE					SOIL AND ROCK INFORMATION	Field Screening for VOCs, ppm, using PID
	0"/6"	6"/12"	12"/18"	18"/24"	N	NO.	Depth	Type	Recovery		
0	7	15			26	1	0-2'	soil	58%	Grass surface, Brown Damp Hard SILT with Gravel, Trace F. Sand Same to 2.9 feet Brown Moist Stiff SILT with Clay, Tr. Sand Same, becomes Very Stiff	ND
			11	4							
	3	5			10	2	2'-4'	soil	75%		
5			5	8						Brown Moist Stiff SILT with Clay, Tr. Sand Same, becomes Very Stiff	ND
	10	12			26	3	4'-6'	soil	8%		
30			14	14						Same to 7.1 feet Br. Moist F. SAND, Trace Silt Brown Wet M. Dense SAND & Silt, Trace Gravel	ND
	14	12			24	4	6'-8'	soil	71%		
			12	9							
10	7	9			23	5	8'-10'	soil	62%	Brown Wet M. Dense SAND & Silt, Trace Gravel	ND
			14	50/3"							
15	50/0"				0	6	10'-12'	soil	0%	Auger refusal at 9.8' inferred as bedrock Spun casing into bedrock, to 10.0 ft. Advanced boring through bedrock using 3 7/8" diameter roller bit. No rock core samples collected. Rock cuttings consist of fine grained grey limestone.	ND
20										Auger refusal at 9.8' inferred as bedrock Spun casing into bedrock, to 10.0 ft. Advanced boring through bedrock using 3 7/8" diameter roller bit. No rock core samples collected. Rock cuttings consist of fine grained grey limestone.	ND
25										Boring terminated at 20.0 feet 2" dia. monitoring well installed in boring	ND
30										Boring terminated at 20.0 feet 2" dia. monitoring well installed in boring	ND

H NU PID with 10.6 ev lamp

N=No. of Blows to Drive 2" Spoon 12" with 140 lb wt. Hammer 30" Each Blow

MONITORING WELL MW-8



Advanced boring into bedrock using tri-cone roller bit. No coring performed



1200 East Main Street
City of Rochester, Monroe County, New York
Supplemental Site Investigation

MW-8 MONITORING WELL CONSTRUCTION

Date Installed
25-Jul-03

Figure
Well MW-8

DRILLING LOG



B E R G M A N N
associates

BORING/WELL NUMBER: Monitoring Well MW-9

PROJECT: 1200 East Main Street Rochester, NY Project No: 4453.02 Page No. 1 of 1
 Start Date: 07/24/2003 Finish Date: 07/24/2003 Top of Well: N/A Boring No: MW-9
 Driller: Joe Gardner, Buffalo Drilling Boring Location: at 1200 East. Main St., center of old parking lot.
 Inspector: James Marschner, Bergmann Associates Water Level (During Drilling): Approximately 13.5 feet below grade
 Drilling Method: 4-1/4 inch HAS Augers, Mobil B-61 truck rig Water Level (Post Drilling): Approximately 12.5 feet below grade
 Remarks: Advanced test borings via Hollow Stem Augers. Monitoring well installed through augers via pull back method.
 Screened Interval: 24.0 ft. to 11.0 ft. Slot Size: 0.010 inch Well Type: 2" dia. PVC Sandpack: 24.0 ft to 10.0 ft
 Seal: 10.0 feet to 7.0 feet Weather Conditions: Sunny, mid-70 degrees

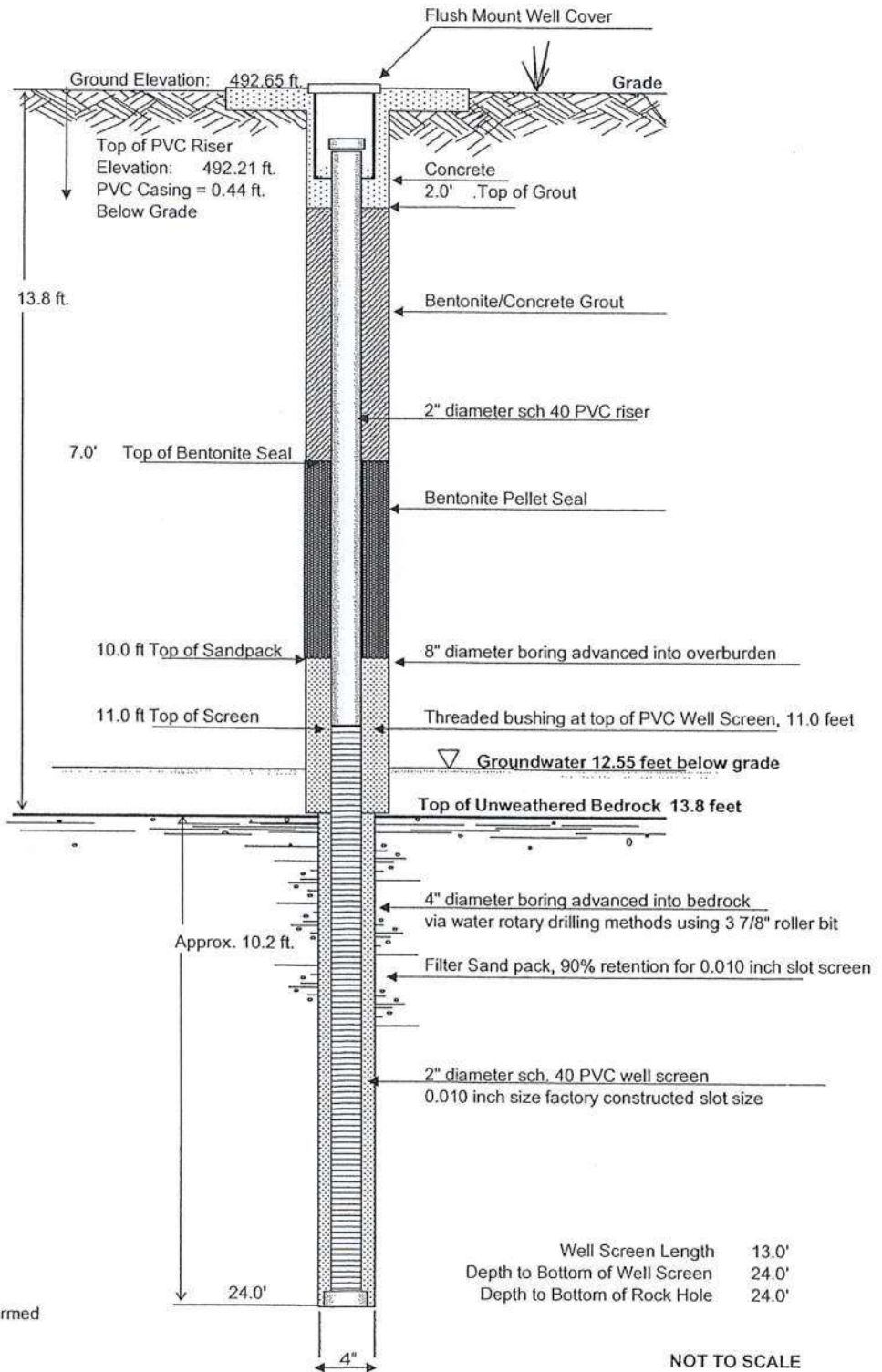
Flush to grade roadway box installed over the monitoring well.

DEPTH	BLOWS ON SAMPLER				SAMPLE			SOIL AND ROCK INFORMATION	Field Screening for VOCs, ppm, using PID		
	0"/6"	6"/12"	12"/18"	18"/24"	N	NO.	Depth			Type	Recovery
0	-	-			7	1	0-2'	soil	100%	Asphalt surface & gravel sub base to 1ft	ND
			7	8							
	30	27			34	2	2'-4'	soil	42%	Same to 2.4 ft.	ND
			7	50						Dense GRAVEL and C. Sand	
5	2	13			17	3	4'-6'	soil	42%	Brown Damp V. Stiff SILT, Some Gravel,	ND
			4	4						Trace F. Sand	
30	5	12			26	4	6'-8'	soil	42%	Br. Moist V. Stiff SILT, Some F. Gravel	ND
			14	17							
	2	12			24	5	8'-10'	soil	50%	Br. Moist V. Stiff SILT and F. Sand,	1.9 ppm
10			12	16						Trace Gravel	
	10	22			51	6	10'-12'	soil	42%	Same, Moist, Hard, occasional cobbles	0.9 ppm
			29	14							
	11	16			50+	7	12'-14'	soil	not recorded	Brown Wet Hard SILT and Gravel	ND
15			50/3"							wet sheen. Refusal at 13.8'	13.8'
										Auger refusal at 13.8' inferred as bedrock	
20										Spun casing into bedrock, to 14'	
										Advanced boring through bedrock	
										using 3 7/8" diameter roller bit.	
25										No rock core samples collected.	
										Rock cuttings consist of	
										fine grained grey limestone.	24.0'
										Boring terminated at 24.0 feet	
30										2" dia. monitoring well installed in boring	

N=No. of Blows to Drive 2" Spoon 12" with 140 lb wt. Hammer 30" Each Blow

H NU PID with 10.6 ev lamp

MONITORING WELL MW-9



Advanced boring into bedrock using tri-cone roller bit. No coring performed

Well Screen Length	13.0'
Depth to Bottom of Well Screen	24.0'
Depth to Bottom of Rock Hole	24.0'

NOT TO SCALE



BERGMANN
associates

1200 East Main Street
City of Rochester, Monroe County, New York
Supplemental Site Investigation

MW-9 MONITORING WELL CONSTRUCTION

Date Installed
24-Jul-03

Figure
Well MW-9

DRILLING LOG



B E R G M A N N
associates

BORING/WELL NUMBER: Monitoring Well MW-10

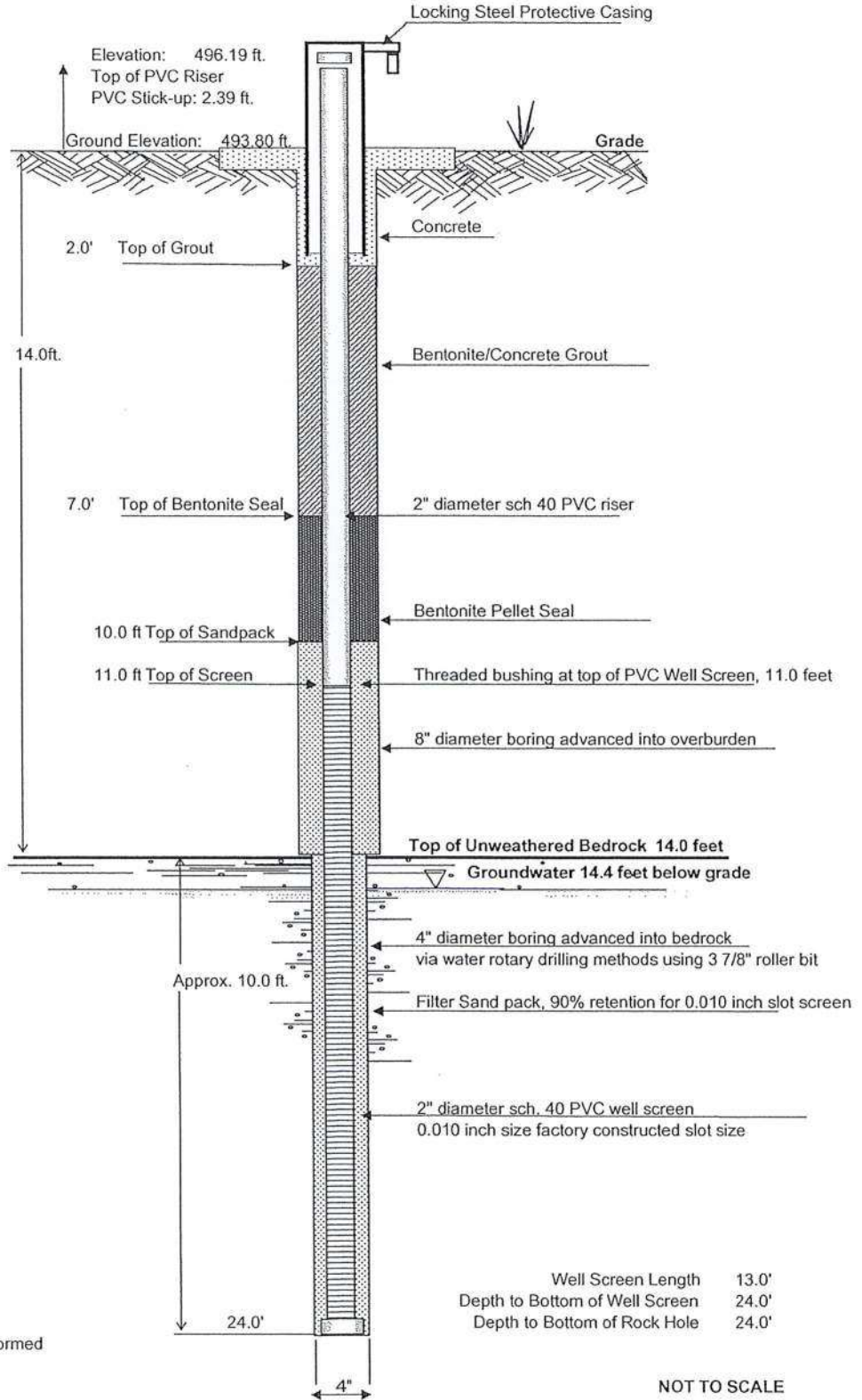
PROJECT: 1200 East Main Street Rochester, NY Project No: 4453.02 Page No. 1 of 1
 Start Date: 07/22/2003 Finish Date: 07/22/2003 Top of Well: N/A Boring No: MW-10
 Driller: Joe Gardner, Buffalo Drilling Boring Location: at 1200 East. Main St., northwest corner of the site
 Inspector: James Marschner, Bergmann Associates Water Level (During Drilling): Approximately 14 feet below grade
 Drilling Method: 4-1/4 inch HAS Augers, Mobil B-61 truck rig Water Level (Post Drilling): Approximately 14.4 feet below grade
 Remarks: Advanced test borings via Hollow Stem Augers. Monitoring well installed through augers via pull back method.
 Screened Interval: 24.0 ft. to 11.0 ft. Slot Size: 0.010 inch Well Type: 2" dia. PVC Sandpack: 24.0 ft to 10.0 ft
 Seal: 10.0 feet to 7.0 feet Weather Conditions: Cloudy, 70s in the morning

Protective Steel Casing installed over the monitoring well.

DEPTH	BLOWS ON SAMPLER				SAMPLE			SOIL AND ROCK INFORMATION	Field Screening for VOCs, ppm, using PID		
	0"/6"	6"/12"	12"/18"	18"/24"	N	NO.	Depth			Type	Recovery
0	7	8			26	1	0-2'	soil	33%	Gravelly Silt to 0.4 ft. Brown Damp Stiff SILT, Some Gravel, Trace Silt Same, Stiff, Damp Same to 3.6 feet Dark Br. Damp SILT, Trace Sand to 4.2' At 4.2' begin Brown Damp Stiff SILT, Some Gravel, trace rootlets Same, becomes Hard Brown Damp Hard SILT and Gravel, trace F. Sand	ND
			18	17			2'-4'	soil	50%		
	8	9			14	2					
5			5	5			4'-6'	soil	58%	Dark Br. Damp SILT, Trace Sand to 4.2' At 4.2' begin Brown Damp Stiff SILT, Some Gravel, trace rootlets Same, becomes Hard	ND
	11	12			20	3					
30			8	12			6'-8'	soil	100%	Brown Damp Hard SILT and Sand, some Gravel. Moist at 12' Same, Hard, becomes Wet at 14' Gravel stone in shoe. No recovery 14.0'	ND
	10		50/2"		65+	4					
10	33	26			43	5	8'-10'	soil	29%	Brown Damp Hard SILT and Gravel, trace F. Sand Brown Damp Hard SILT and Sand, some Gravel. Moist at 12' Same, Hard, becomes Wet at 14' Gravel stone in shoe. No recovery 14.0'	ND
			17	9			10'-12'	soil	38%		
					36	6					
15					45	7	12'-14'	soil	46%	Gravel stone in shoe. No recovery 14.0' Auger refusal at 14.0' inferred as bedrock Spun casing into bedrock, to 14.1 ft. Advanced boring through bedrock using 3 7/8" diameter roller bit. No rock core samples collected. Rock cuttings consist of fine grained grey limestone.	ND
			20	18			14'-16'	soil	none		
			50/1"		50+	8					
20							16'-18'	soil	none	Spun casing into bedrock, to 14.1 ft. Advanced boring through bedrock using 3 7/8" diameter roller bit. No rock core samples collected. Rock cuttings consist of fine grained grey limestone.	ND
25										24.0'	ND
30										Boring terminated at 24.0 feet 2" dia. monitoring well installed in boring	H NU PID with 10.6 ev lamp

N=No. of Blows to Drive 2" Spoon 12" with 140 lb wt. Hammer 30" Each Blow

MONITORING WELL MW-10



Well Screen Length 13.0'
 Depth to Bottom of Well Screen 24.0'
 Depth to Bottom of Rock Hole 24.0'

NOT TO SCALE

Advanced boring into bedrock using tri-cone roller bit. No coring performed



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 associates

1200 East Main Street
 City of Rochester, Monroe County, New York
 Supplemental Site Investigation

MW-10 MONITORING WELL CONSTRUCTION

Date Installed
 22-Jul-03

Figure
 Well MW-10

DRILLING LOG



B E R G M A N N
associates

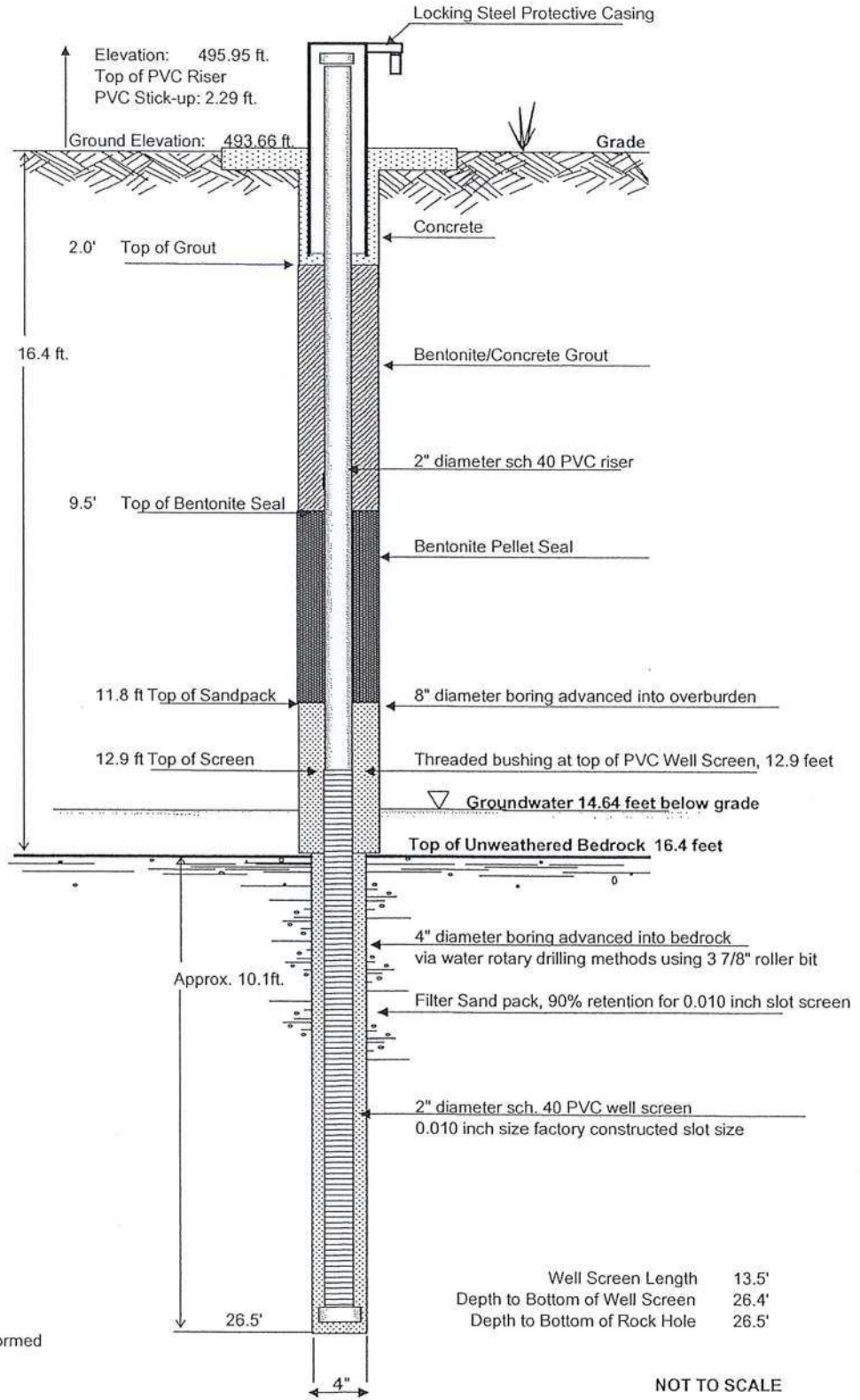
BORING/WELL NUMBER: Monitoring Well MW-11

PROJECT: 1200 East Main Street Rochester, NY Project No: 4453.02 Page No. 1 of 1
 Start Date: 07/23/2003 Finish Date: 07/23/2003 Top of Well: N/A Boring No: MW-11
 Driller: Joe Gardner, Buffalo Drilling Boring Location: at 1200 East. Main St., northeastern area of the site
 Inspector: James Marschner, Bergmann Associates Water Level (During Drilling): Approximately 15 feet below grade
 Drilling Method: 4-1/4 inch HAS Augers, Mobil B-61 truck rig Water Level (Post Drilling): Approximately 14.6 feet below grade
 Remarks: Advanced test borings via Hollow Stem Augers. Monitoring well installed through augers via pull back method.
 Screened Interval: 26.4 ft. to 12.9 ft. Slot Size: 0.010 inch Well Type: 2" dia. PVC Sandpack: 26.5 ft to 11.8 ft
 Seal: 11.8 feet to 9.5 feet Weather Conditions: Sunny, upper 60s in the morning
 Protective Steel Casing installed over the monitoring well.

DEPTH	BLOWS ON SAMPLER				SAMPLE			SOIL AND ROCK INFORMATION	Field Screening for VOCs, ppm, using PID		
	0"/6"	6"/12"	12"/18"	18"/24"	N	NO.	Depth			Type	Recovery
0	5	12			21	1	0'-2'	soil	63%	Dark Br. Damp Stiff SILT with Gravel Trace F. Sand to 2.1 feet at 2.1 ft: Tan Brown Moist Stiff SILT Some Gravel Trace F. Sand Br. Damp Hard SILT and Gravel, Trace F. Sand Brown Damp Stiff SILT with Gravel, Trace F. Sand Same, becomes Medium Stiff, Moist	ND
			9	8							
	7	10			20	2	2'-4'	soil	75%		
5			10	12						Br. Damp Hard SILT and Gravel, Trace F. Sand	ND
	14	28			48	3	4'-6'	soil	75%		
30			20	18						Brown Damp Stiff SILT with Gravel, Trace F. Sand Same, becomes Medium Stiff, Moist	ND
	6	5			19	4	6'-8'	soil	58%		
			14	10							
10	3	5			10	5	8'-10'	soil	58%	Same, becomes Medium Stiff, Moist	ND
			5	10							
15	5	14			31	6	10'-12'	soil	63%	Same, Very Stiff Brown Wet Hard SILT and Gravel, with F. Sand Brown wet Dense GRAVEL, water sheen	ND
			17	15							
	7	14			37	7	12'-14'	soil	42%		
			23	15							
20	39	18			32		14'-16'	soil	13%	Brown wet Dense GRAVEL, water sheen Auger refusal at 16.4' inferred as bedrock Spun casing into bedrock, to 16.5 ft. Advanced boring through bedrock using 3 7/8" diameter roller bit. No rock core samples collected. Rock cuttings consist of fine grained grey limestone.	0.1 ppm Slight petroleum odor
			14	14							
	50/4"						16'-18'	soil	none		
25										Boring terminated at 26.5 feet 2" dia. monitoring well installed in boring	H NU PID with 10.6 ev lamp
30										Boring terminated at 26.5 feet 2" dia. monitoring well installed in boring	H NU PID with 10.6 ev lamp

N=No. of Blows to Drive 2" Spoon 12" with 140 lb wt. Hammer 30" Each Blow

MONITORING WELL MW-11



BERGMANN
associates

1200 East Main Street
City of Rochester, Monroe County, New York
Supplemental Site Investigation

MW-11 MONITORING WELL CONSTRUCTION

Date Installed
23-Jul-03

Figure
Well MW-11

DRILLING LOG



B E R G M A N N
associates

BORING/WELL NUMBER: Monitoring Well MW-12

PROJECT: 1200 East Main Street Rochester, NY Project No: 4453.02 Page No. 1 of 1
 Start Date: 07/29/2003 Finish Date: 07/29/2003 Top of Well: N/A Boring No: MW-12
 Driller: Joe Gardner, Buffalo Drilling Boring Location: In sidewalk along south side of East Main St.
 Inspector: James Marschner, Bergmann Associates Water Level (During Drilling): Not encountered above bedrock
 Drilling Method: 4-1/4 inch HAS Augers, Mobil B-61 truck rig Water Level (Post Drilling): Approximately 17.4 feet below grade
 Remarks: Advanced test borings via Hollow Stem Augers. Monitoring well installed through augers via pull back method.
 Screened Interval: 22.5 ft. to 10.5 ft. Slot Size: 0.010 inch Well Type: 2" dia. PVC Sandpack: 22.5 ft to 9.5 ft
 Seal: 9.5 feet to 6.5 feet Weather Conditions: Sunny, mid-70 degrees

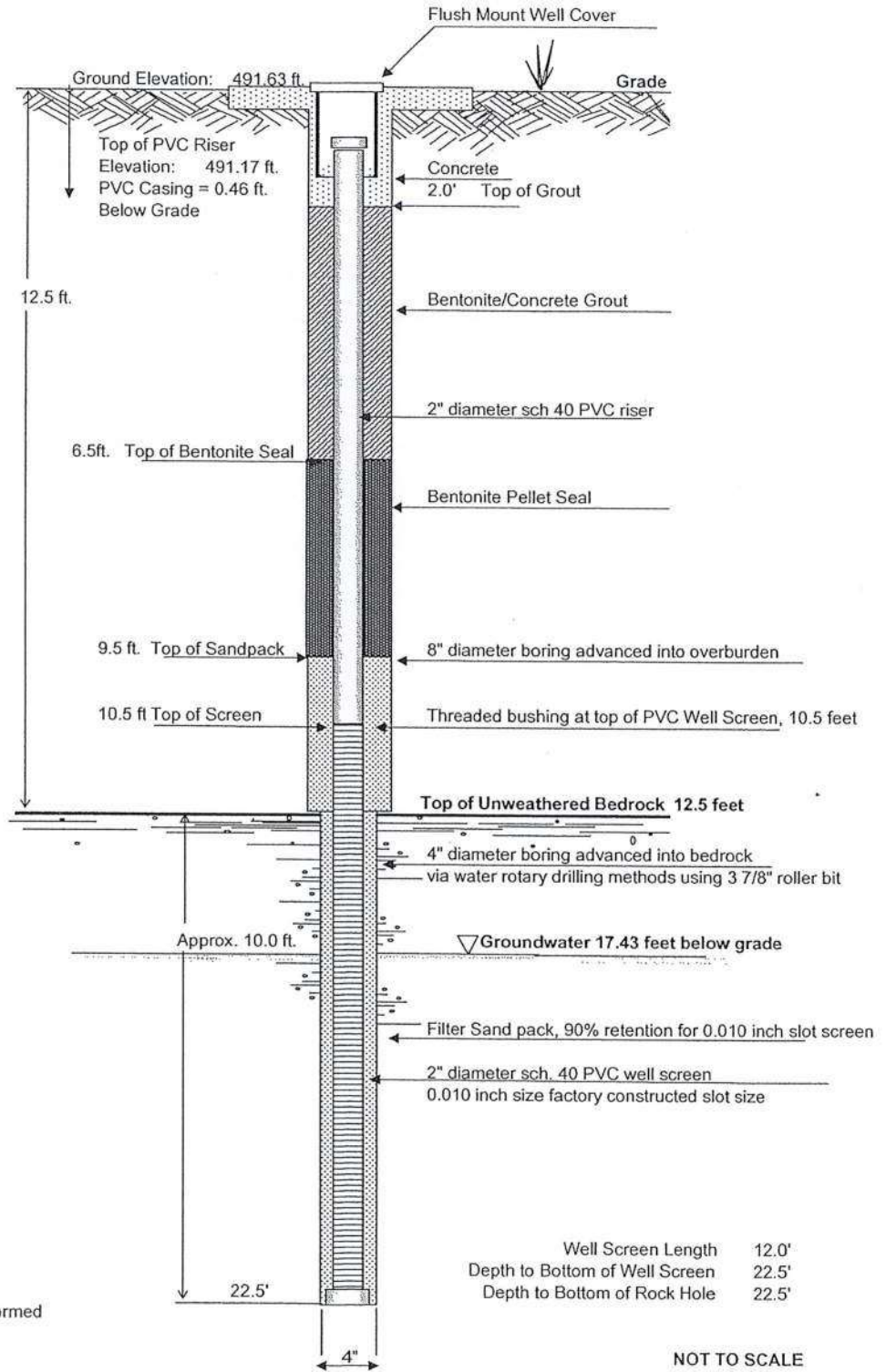
Flush to grade roadway box installed over the monitoring well.

DEPTH	BLOWS ON SAMPLER				SAMPLE			SOIL AND ROCK INFORMATION		Field Screening for VOCs, ppm, using PID	
	0"/6"	6"/12"	12"/18"	18"/24"	N	NO.	Depth	Type	Recovery		
0	-	4			6	1	0-2'	soil	0%	Concrete sidewalk to 6"	ND
			2	3						No recovery of soil sample	
	8	7			15	2	2'-4'	soil	42%	Brown F. SAND to 2.4'	ND
			8	9						Brown Moist SILT with Sand and Gravel	
5	2	5			11	3	4'-6'	soil	25%	Same SILT, Stiff	ND
			6	3							
30	3	4			10	4	6'-8'	soil	58%	Br. Moist Loose SAND, Trace Silt	ND
			6	3						Trace Gravel	
	6	11			31	5	8'-10'	soil	38%	Same to 10.7', becomes M. Dense	ND
10			20	33						Brown Moist Hard SILT and Gravel, Tr. Sand	
	16	50/2"			50+	6	10'-12'	soil	13%	Same SILT and Gravel, V. Hard	ND
										Auger refusal encountered at 12.5'	ND
15						8	14'-16'	soil	83%	Auger refusal at 12.5' inferred as bedrock	ND
										Spun casing into bedrock, to 12.5 ft.	
20										Advanced boring through bedrock using 3 7/8" diameter roller bit.	
										No rock core samples collected.	
										Rock cuttings consist of fine grained grey limestone.	
										22.5'	
25										Boring terminated at 22.5 feet	
										2" dia. monitoring well installed in boring	
30											

N=No. of Blows to Drive 2" Spoon 12" with 140 lb wt. Hammer 30" Each Blow

H NU PID with 10.6 ev lamp

MONITORING WELL MW-12



Advanced boring into bedrock using tri-cone roller bit. No coring performed



1200 East Main Street
City of Rochester, Monroe County, New York
Supplemental Site Investigation

MW-12 MONITORING WELL CONSTRUCTION

Date Installed
29-Jul-03

Figure
Well MW-12

DRILLING LOG



B E R G M A N N
associates

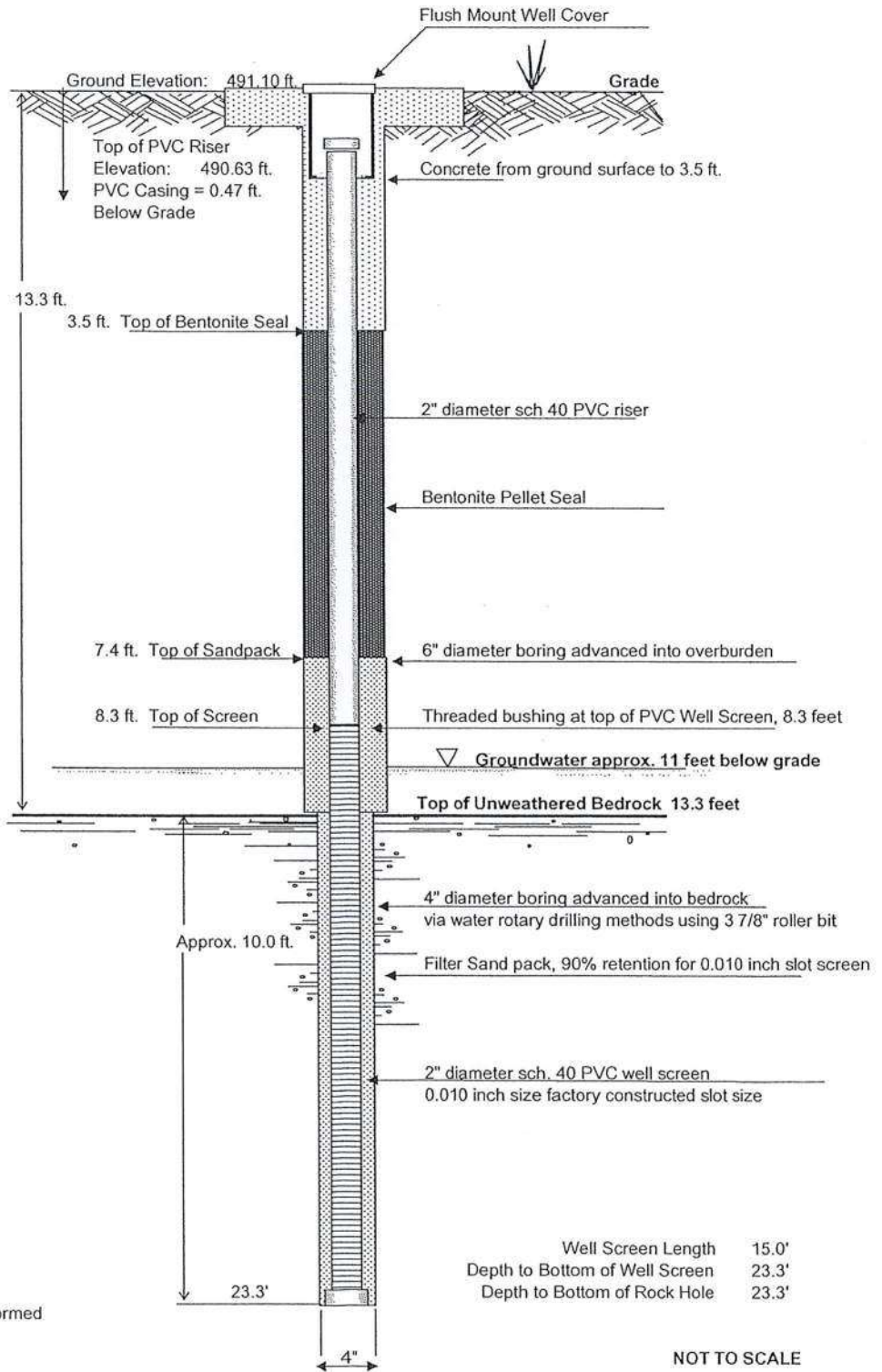
BORING/WELL NUMBER: MW-13

PROJECT: 1200 East Main Street Rochester, NY Project No: 4453.03 Page No. 1 of 1
 Start Date: 05/26/04 Finish Date: 05/26/04 Top of Well: 490.53 ft. Boring No: MW-13
 Driller: Buffalo Drilling, Larry Schroeder, Driller Boring Location: Back yard of 427 Hayward Avenue.
 Inspector: Edward Jones, Bergmann Associates Water Level (During Drilling): approx. 11 feet below grade
 Drilling Method: 2-1/4 inch HAS Augers, Mobil B-61 truck rig Water Level (Post Drilling): approx. 8 ft 3inches below grade
 Remarks: Advanced test borings via Hollow Stem Augers. Monitoring well installed through augers via pull back method.
 Screened Interval: 23.3 ft. to 8.3 ft. Slot Size: 0.010 inch Well Type: 2" dia. PVC Sandpack: 24.3 ft to 7.4ft
 Seal: 7.4 feet to 3.5 feet Weather Conditions: Overcast, fog, 60s in the morning
Flush to grade roadway box installed over the monitoring well.

DEPTH	BLOWS ON SAMPLER				SAMPLE			SOIL AND ROCK INFORMATION		Field Screening for VOCs, ppm, using PID	
	0"/6"	6"/12"	12"/18"	18"/24"	N	NO.	Depth	Type	Recovery		
0	3	4			8	1	0-2'	soil	63%	Dirt parking lot surface. Topsoil to 6" Damp Orange Br. Loose F SAND & Silt Little Gravel, roots. Becomes M. Dense Same, Damp, M. Dense. Glacial Till Same, damp, Dense to 5'6" Brown damp F-M SAND No recovery 6 ft-8', encountered cobble or rock fragment in till. Easily augered V. Moist to wet Dense F. SAND and Silt, some Gravel. Till	ND
			4	7			2'-4'	soil	67%		
	6	8			17	2					
5			9	10			4'-6'	soil	58%	Same, V. Moist to Wet, Very Dense. Till	ND
	36	20			36	3					
30			16	37			6'-8'	soil	0%	Same, V. Dense, saturated with water. Refusal at 13.5 ft. Rock fragment in shoe Auger refusal encountered at 13.5 ft. inferred as bedrock	No VOCs measured on bedrock rock cuttings flushed to surface Faint petroleum like odor noticed in rock cuttings flushed from the boring.
	50/4"				50+	4					
10					49	5	8'-10'	soil	63%	Spun casing into bedrock at 13.5 ft Advanced boring through bedrock using 3 7/8" diameter roller bit. Drilling mud flushed up cuttings. No rock core samples collected. Rock cuttings consist of fine grained grey limestone. 23.3 ft	H NU PID with 10.6 ev lamp
	21	30									
15			19	15			10'-12'	soil	79%	Boring terminated at 23.3 feet 2" dia. monitoring well installed in boring	
			34	31			12'-14'	soil	53%		
	20	28			62	6					
20					67	7					
	49	17									
25			50/3"								
30											

N=No. of Blows to Drive 2" Spoon 12" with 140 lb wt. Hammer 30" Each Blow

MONITORING WELL MW-13



Advanced boring into bedrock using tri-cone roller bit. No coring performed



1200 East Main Street
City of Rochester, Monroe County, New York
Supplemental Site Investigation

MW-13 MONITORING WELL CONSTRUCTION

Date Installed
26-May-04

Figure
Well MW-13

DRILLING LOG



B E R G M A N N
associates

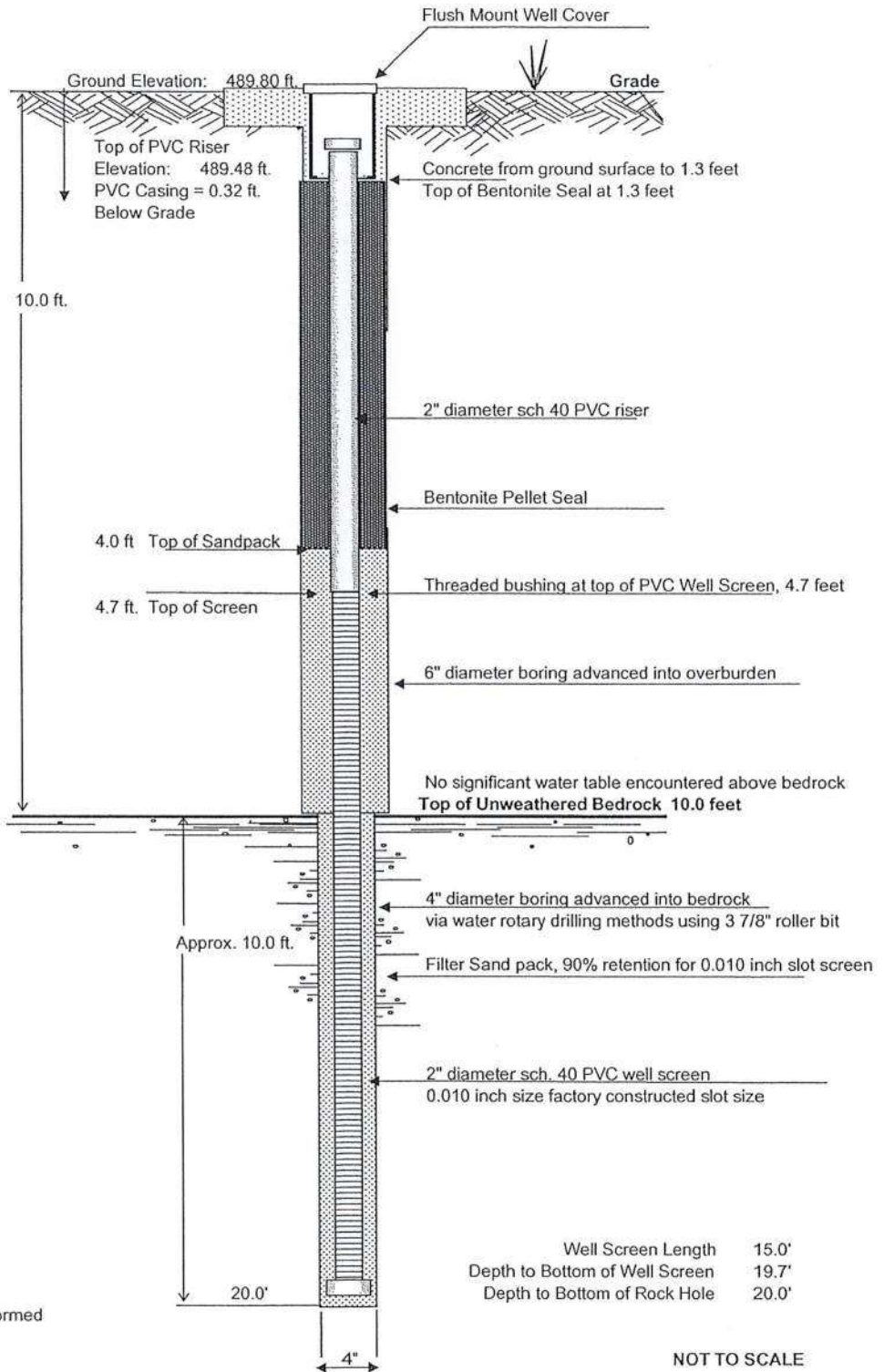
BORING/WELL NUMBER: MW-14

PROJECT: 1200 East Main Street Rochester, NY Project No: 4453.03 Page No. 1 of 1
 Start Date: 05/27/04 Finish Date: 05/27/04 Top of Well: 489.48 ft. Boring No: MW-14
 Driller: Buffalo Drilling, Larry Schroeder, Driller Boring Location: Back yard of 405 Hayward Avenue.
 Inspector: Edward Jones, Bergmann Associates Water Level (During Drilling): Not encountered above bedrock
 Drilling Method: 2-1/4 inch HAS Augers, Mobil B-61 truck rig Water Level (Post Drilling): approx. 9 feet below grade
 Remarks: Advanced test borings via Hollow Stem Augers. Monitoring well installed through augers via pull back method.
 Screened Interval: 19.7 ft. to 4.7 ft. Slot Size: 0.010 inch Well Type: 2" dia. PVC Sandpack: 20 ft to 4 ft
 Seal: 4.0 feet to 1.3 feet Weather Conditions: Clear & sunny in morning, 70s
 Flush to grade roadway box installed over the monitoring well.

DEPTH	BLOWS ON SAMPLER				SAMPLE					SOIL AND ROCK INFORMATION	Field Screening for VOCs, ppm, using PID
	0"/6"	6"/12"	12"/18"	18"/24"	N	NO.	Depth	Type	Recovery		
0	4	4			7	1	0'-2'	soil	42%	Grass yard surface. Black topsoil to 6" Damp Orange Br. Loose F SAND & Silt Little Gravel, roots. Same, Damp, Loose Glacial Till	ND
			3	5							
5	5	5			10	2	2'-4'	soil	50%	Same, damp, becomes Very Dense Brown damp F-M SAND & Silt, Gravel Same, damp, V. Dense. Till	ND
			5	6							
30	15	24			65	3	4'-6'	soil	42%	Same but becomes moist to v. moist V. Dense F. SAND & Silt, little Gravel	ND
			41	29							
10	28	24			59	4	6'-8'	soil	79%	Damp grey limestone fragments. 10.0 ft may be weathered bedrock surface Auger refusal encountered at 10.0 ft, inferred as bedrock Spun casing into bedrock, at 10.0 ft.	ND
			35	28							
15	47	50/2"			50+	5	8'-10'	soil	75%	Advanced boring through bedrock using 3 7/8" diameter roller bit. Drilling mud flushed up cuttings. No rock core samples collected. Rock cuttings consist of fine grained grey limestone. 23.20.0 ft	No VOCs measured on bedrock rock cuttings flushed to surface
20	45	50/2"			50+	6	10'-12'	soil	75%	Boring terminated at 20.0 feet 2" dia. monitoring well installed in boring	Faint petroleum like odor noticed in rock cuttings flushed from the boring.
25										H NU PID with 10.6 ev lamp	
30											

N=No. of Blows to Drive 2" Spoon 12" with 140 lb wt. Hammer 30" Each Blow

MONITORING WELL MW-14

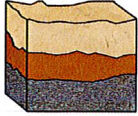


1200 East Main Street
City of Rochester, Monroe County, New York
Supplemental Site Investigation

MW-14 MONITORING WELL CONSTRUCTION


Date Installed
27-May-04

Figure
Well MW-14



Foundation Design, P.C.

MEMO

DATE: January 16, 2020
TO: Daniel Noll, PE/Jared Pristach, PE – LaBella Associates
FROM: Jeffrey D Netzband, PE, PG 
JOB NAME: RPD/Goodman Station (East Main Street @ Laura Street)
JOB NO.: 4510.1
PAGE: 1 of 2

Here are some items in the January 8, 2020 Ravi Engineering & Land Surveying, PC *Geotechnical Engineering Investigation* that you need to get clarification on as they will impact your project environmental costs:

- The report makes no statement on whether the on-site soils can be placed as structural fill under the pavements. In fact, the Common Fill specification prevents placing organic material (i.e., topsoil) as fill under the pavements.

This raises a couple questions:

1. The prior environmental clean-up work resulted in a shortage of material; a large amount of imported crusher-run stone was placed in the last excavation. Since the other clean-up excavations were backfilled with compacted, organic-laden, on-site soil, we envisioned doing something similar as we prepared the building pad.

Reduce the import/export costs, our approach consisted of re-excavating and stockpiling the crusher-run stone. The contractor would take the building undercut material and place it in the excavation (structurally compacted) and construct the new parking lot over this material, similar to what is proposed for the other excavations that were previously filled in a similar manner. The stockpiled crusher-run stone could then be placed in the building pad. This approach assumes the stone has not become contaminated since it was installed.

The Common Fill specification appears to prevent you from performing this operation. I would review this approach with Ravi to see if it is still viable or not.

2. If the on-site soil cannot be used under the parking lots, you may have issues with the site utility trenches. They will be excavating through the organic-laden

FOUNDATION DESIGN, P.C.

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Phone (585) 458 0824

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mixed earth placed in the other clean-up excavations. This material may require off-site disposal and imported material required for the backfill.

3. Similarly, buried topsoil likely lies between the other houses and in the previously filled basements. If encountered during site utility excavations, this material may require off-site disposal, with imported material needed for backfill.
- The report allows Common Fill to be used as structural fill under the floor slab. Review the proposed cuts for the parking lot with your site engineer. Will you generate any organic free, on-site soil that could be used as fill in the building area to save having to import material?

If excess 'clean earth' is available, the site plans may need to clearly designate this material to be used in the building area. Otherwise, the contractor could end up hauling the material away or plan to use the material in other areas. If you rely on placing the on-site material in the building area, I would carry unit pricing for disposal of wet material and importing material in case the earthwork is performed during a wet/cold time of the year and the on-site soil cannot be placed to structural standards.

- The Heavy Duty pavement section requires 18-inches of stone subbase. This could result in generating more cut material than can be used on-site, leading to the need to export the material. Can this pavement section be thinned if the bid documents contained an alternate to install a Tensar tri-axial geogrid in lieu of the bi-axial geogrid. (This would need to be shown as an alternate on the bid documents as the tri-axial geogrid is a proprietary product.)

These are my quick thoughts in reviewing the report. Let me know if you would like me to sit and review the current design concepts and see if there are any other ways to minimize the amount of import/export and control the environmental costs on the project.



APPENDIX 5

Photo Log



Photo 1: Top of BW-02 rock core (14.5' bgs); 14.5'-18.25' on left, 18.25'-22' in middle; 22'-24.5' on right



Photo 3: Middle of BW-02 rock core



Photo 2: Middle of BW-02 rock core



Photo 4: Bottom of BW-02 rock core