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Phase II Environmental Site Assessment

1153 West Fayette Street
City of Syracuse, Onondaga County, New York

Prepared for:
1153 Owner LLC
449 – 453 South Salina Street
Syracuse, New York 13202

June 2023

FIGURES

TABLES

APPENDICES

EXECUTIVE SUMMARY

At the request of the 1153 Owner LLC, C&S Engineers, Inc. (C&S) has prepared this Phase II Environmental Site Assessment (Phase II ESA or Investigation) Report for a 2.65 acre portion of the Commercial Property located at 1153 West Fayette Street in the City of Syracuse, Onondaga County, New York (Site)[1]. The location of the Site is shown on **Figure 1**.

The findings of this Phase II ESA indicate the following:

- The soil lithology across the Site generally consisted of fill material comprised of a heterogenous mix of brick, coal, ash, tar, and / or cinders to depths of 2 to 11 feet bgs. This fill material was generally underlain by natural deposits comprised of fine to coarse sand and clay and / or silt. Groundwater was generally encountered at depths of 9 to 14 feet bgs. Bedrock was not encountered.

- Soil analytical results indicated the presence of acetone in BH-06 at concentrations exceeding exceeding Unrestricted Use SCOs. Acetone is a common laboratory contaminant. Low levels of VOCs including many benzene derivatives, xylenes, and toluene were detected in samples from BH-04, BH-06, BH-08, and BH-10 at concentrations below Unrestricted Use soil cleanup objectives.

- Soil analytical results indicated the presence of numerous SVOCs in the soil sample collected from BH-08, with concentrations exceeding Unrestricted and Commercial Use SCOs. These compounds are typically associated with petroleum products (diesel, fuel oil, waste/motor oil), coal, and burned organic material (i.e., wood). The presence of historic fill material encountered across the entire investigation area may be contributing to the presence of these SVOCs.

- Soil analytical results indicated the presence of numerous heavy metals across the Site, with concentrations exceeding Unrestricted Use SCOs. Arsenic concentrations across the Site exceeded Commercial Use SCOs.

- While VOCs were not detected in the groundwater sample collected from TW-03, where evidence of petroleum impacts were observed, many of the analyte detection limits exceeded their respective groundwater standard. These elevated detection limits may be due to matrix interferences resulting from the presence of other, non-target petroleum constituents related to degraded petroleum products in this area.

[1] The 0.25 acre portion of the tax parcel excluded from the Site is in the process of being subdivided and sold to the neighbouring property owner.

- Groundwater analytical results indicated the presence of numerous SVOCs across the Site, with concentrations exceeding New York TOGS Ambient Water Quality Standards criteria. These concentrations may be a result of elevated turbidity and suspended sediments within the groundwater at the time of sampling.

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1. Introduction

At the request of 1153 Owner LLC, C&S Engineers, Inc. (C&S) has prepared this Phase II Environmental Site Assessment (Phase II ESA or Investigation) Report of a portion of the commercial property identified as Onondaga County Tax ID No. 099.-03-02.0 (hereby, referred to as Site)[2]. The 2.65-acre property is located at 1153 West Fayette Street, in the City of Syracuse, Onondaga County, New York. The scope of services for the Phase II ESA was based on our April 7, 2023 proposal. The location of the Site is shown on **Figure 1**.

1.1. Purpose of Investigation

The purpose of the investigation was to investigate whether subsurface conditions at the Site have been impacted by historic activities performed on the property or at adjacent, up-gradient properties. Several recognized environmental conditions (RECs) were identified during a Phase I Environmental Site Assessment (Phase I ESA) which was completed for the Site in April 2023 by C&S.

The Phase I ESA identified the following RECs associated with the Site:

- Former manufacturing operations (including machine shop operation related to manure spreader manufacturing and electronics manufacturing); presence of an oil house near the southwest side of the building on historic maps from 1951 and 1953; rail spurs and rail activity across southern portion of the Site; and generation of hazardous waste between 1986 and 1994.

- Site reconnaissance identified two very large boilers on the south side of the barn. The boilers are not currently operational but used to run off coal which was potentially stored in the outdoor silo. Large-scale storage of coal and/or the on-site disposal of coal ash, which was historically a common practice at coal-burning facilities, could have contaminated the soil and groundwater on the Site.

- Multiple adjacent and adjoining sites:
  - 220 South Geddes Street – Former drycleaner
  - 1117 West Fayette Street – Former manufacturing facility
  - 1171 West Fayette Street – Former rail line round house
  - 200 South Geddes Street – Former and current manufacturing facility
  - 208 South Geddes Street – Former manufacturing facility and machine shop
  - 216 – 218 South Geddes Street – Former engine manufacturing facility
  - 300 South Geddes Street – Former manufacturing facility
  - 201, 209, 301 South Geddes Street – Former and current gasoline stations, auto repair shops, and auto sales shops

[2] The 0.25 acre portion of the tax parcel excluded from the Site is in the process of being subdivided and sold to the neighbouring property owner.

1.2. Scope of Work

The investigation was performed generally consistent with American Society of Testing and Materials (ASTM) E 1903-19 Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process, unless noted otherwise in **Section 1.3** of this report.

The Phase II Investigation included the following tasks:

- Subsurface investigation of the geologic and hydrogeologic conditions of the Site through the advancement of eight soil borings to depths of 15 feet below ground surface (bgs).

- Collection and laboratory analysis of five soil samples for the following analyses:
    - New York State Department of Environmnetal Conservation (NYSDEC) Part 375 Volatile Organic Compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260
    - NYSDEC Part 375 Semi-Volatile Organic Compounds (SVOCs) by USEPA Method 8270
    - NYSDEC Part 375 Total Metals (including mercury, hexavalent chromium, and total cyanide) by USEPA Method 6010/6020

- Installation of three temporary monitoring wells at select locations across the Site, selected based on field observations and historic site activities, to allow for collection of overburden groundwater samples.

- Collection and laboratory analysis of three overburden groundwater samples for the following analyses:
    - USEPA Target Compound List (TCL) VOCs by USEPA Method 8260
    - USEPA TCL SVOCs by USEPA Method 8270
    - Target Analyte List (TAL) Total Metals (including mercury) by USEPA Method 6010/6020

This Investigation was intended to provide further information on the Site's environmental condition to render a professional opinion on the suspected presence or absence of petroleum or chemical impacts.

1.3. Limitations and Exceptions

C&S has performed this Investigation consistent with the contract scope of services, using reasonable efforts to identify areas of potential liability associated with environmental concerns identified at the Site. This investigation was performed in accordance with the generally accepted practices of other consultants undertaking similar studies in the same geographical area. C&S has exercised the same care and skill

generally exercised by other consultants in similar circumstances and conditions. Our findings and conclusions must not be considered scientific certainties, but rather as our professional opinion concerning the significance of the limited sampling data gathered during the course of the Phase II subsurface environmental site assessment. No expressed or implied warranty is made. Specifically, C&S cannot represent that the site contains no hazardous material, oil, or other latent condition beyond that investigated/sampled by C&S at the time of subsurface site investigation.

1.4. Special Terms and Conditions

This Phase II ESA report has been prepared on the behalf and for the exclusive use of 1153 Owner LLC. This report and its findings shall not, in whole or in part, be provided to or used by any other party without prior written consent of 1153 Owner LLC **and** C&S.

2. Site Description

The following sections include a description of the location, site characteristics, and land use of the Site and the area surrounding the Site.

2.1. Site and Surrounding Characteristics

The Site is approximately 2.5 acres, identified as a portion of the City of Syracuse tax parcel 099.-03-02.0, and is reportedly owned by The Cosmopolitan 1153, LLC. The property is located at 1153 West Fayette Street in the City of Syracuse, Onondaga County, New York. The Site is occupied by a 92,113 square foot six-story building with an adjoining 11,060 square foot single-story building. The buildings were historically used for manufacturing purposes but have most recently been used as mixed office space, storage space, and commercial space. The eastern portion of the Site contains an asphalt parking lot. The Site is generally flat. Harbor Brook flows in a northernly direction through the Site within a box culvert located beneath the parking lot. The Site and surrounding properties are served by the Onondaga County water and sanitary sewer systems, and supplied with electric and natural gas service by National Grid.

A Site location map depicting the general Site location is attached as **Figure 1**. The limits of the Site, general Site conditions, and sample locations are depicted on **Figure 2** and **Figure 3**.

2.2. Current Property Use

The Site is currently developed with an active commercial building and associated parking lot. The building and property are occupied by multiple commercial tenants.

2.3. Site History

The Site was occupied by residential houses, a machine shop, and a lumber shed from at least 1892. Around 1911, the Site began operating as the Kemp & Burpee Manufacturing Company, a large manufacturing facility that produced manure spreaders. These operations included a machine shop, a forge shop, and several painting shops on and near the eastern side of the Site. In the mid-1900s (sometime between 1938 and 1951), the Kemp & Burpee manufacturing facility was demolished and the six-story industrial building with a single-story addition that exists today was constructed on the western portion of the Site. Between 1956 and 1960, a single-story addition was added to the western side of the buildings. The eastern portion of the Site operated as a parking lot. The industrial facility operated as the Morris Distributing Company (wholesale electrical supplies) between approximately 1951 and 1988. This operation was equipped with an oil house that was located on the west side of the original structure, in an area that is now occupied by the western addition. A coal silo was also present outside the south side of the building dating to at least 1951. The coal storage structure still remains on the Site. In the 1990s, the facility housed a variety of industrial and commercial

companies including Command Services (computer sales and services), Tegmen (electronic circuit manufacturer), Selco Graphics (printing), and PEACE Inc (non-profit organization). Since the early 2000s, a variety of commercial tenants have occupied the facility.

2.4. Current Use of Adjoining Sites

The Site is located in an industrial / commercial setting. The list below describes the properties / features / roads immediately surrounding the Site:

Direction	*Feature(s)*
North	West Fayette Street, Forested Land, Syracuse City School District Supply Center (Industrial), Rail Line (Industrial)
East	Former Industrial Building, Commercial Stores
South	Commercial Stores, George Fowler High School
West	Residences, George Fowler High School Baseball Diamond

2.5. Site Surface Soil Condition

According to the United States Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS) Web Soil Survey, the soil present beneath the Site is characterized as Urban Land. This classification refers to areas in which soil characteristics have been altered due to urban activity.

2.6. Site Geological Conditions

Bedrock geologic information was obtained from the Geologic Map of New York-Finger Lakes Sheet (1970, Lawrence V. Rickard and Donald W. Fisher). The bedrock beneath the Site is the Syracuse Formation of the Upper Silurian period. The primary rock type is dolostone and the secondary rock type is shale.

2.7. Surface Water and Groundwater Conditions

Harbor Brook flows through the Site within a box culvert located beneath the parking lot. Harbor Brook originates in the Town of Onondaga, approximately 3.5 miles southwest of the Site. The Brook meanders on a general northwesterly course through the Town of Onondaga and through the southwestern section of the City of Syracuse. Portions of the Brook are present as open channels, while other portions flow within enclosed, subsurface conduits. After passing beneath the Site, the Brook meanders through the City of Syracuse until it empties into the southeast corner of Onondaga Lake at a point approximately 1.25 miles northwest of the Site.

The Site is also located 0.76 miles west of Onondaga Creek and 1.25 miles southeast of Onondaga Lake. Groundwater in the area is assumed to move generally to the north in the direction of Harbor Brook's flow. Groundwater flow specific to the Site is unknown

and may be different from the regional flow. Potential influences include local drainage features, seasonal groundwater level fluctuations, subsurface geology, surface topography, and / or other local site features.

3. Phase II Environmental Site Assessment Methodologies

C&S conducted field activities for the Phase II ESA on April 24, 2023.

3.1. Investigation Scope and Objectives

The initial Phase II ESA subsurface investigation consisted of the following tasks:

- Prior to initiating the subsurface investigation activities, C & S' drilling subcontractor, Matrix Environmental Technologies, Inc. (Matrix) notified Dig Safely New York, to arrange for identification and marking of buried utilities at the Site.

- The investigation performed at the property consisted of the advancement of eight soil borings (identified as BH-03 through BH-10) and the installation of three temporary groundwater monitoring wells (identified as TW-02 through TW-04). Soil borings were dispersed across the site for equal representation while also focusing on areas of interest identified in the Phase I ESA. Areas of interest included the former machine shop, painting shop, and power house on the eastern portion of the Site, the coal silo directly south of the building, the obsolete coal boilers inside the single-story building, and the former oil house on the western side of the single-story building. The approximate locations of the soil borings and temporary wells are shown on **Figure 2** and **Figure 3**, respectively.

- The borings were advanced by direct-push sampling methodologies. Continuous soil sampling was conducted at each boring location using Geoprobe® Systems' Macro-Core® acetate lined soil samplers. The borings were advanced to depths of 15 feet bgs to ensure the depth was sufficient to encounter the groundwater table and to encounter native soil deposits.

- The soil samples recovered from the borings were classified with respect to predominant soil types, texture, and relative moisture content; examined for staining or obvious odors suggestive of impact by petroleum products; and field screened with a portable photo-ionization detector (PID) equipped with a 10.6eV lamp, to document whether VOCs are released from the soil. The PID screening was performed by headspace analysis methods, by placing a representative portion of the soil sample into a re-sealable plastic bag, and monitoring the airspace surrounding the soil within the bag as the soil is agitated to promote the release of VOC.

- Samples of soil were retained from select borings for laboratory analysis to document concentrations of Part 375 VOCs, SVOCs, and total metals (including mercury, hexavalent chromium, and total cyanide).

- The location and depth of soil sample collection for laboratory analysis were based upon field observations and professional judgment at that time. In general, samples were collected based on the presence of historic fill material (HFM), visual / olfactory evidence of contamination, elevated PID readings, and spatial distribution across the Site.

- Three of the eight borings were converted into temporary groundwater monitoring wells. Each temporary monitoring well was completed with ten feet of one-inch Schedule 40 PVC well screen with 0.010-inch slots, connected to an appropriate length of flush-thread, Schedule 40 PVC well riser to complete the well. The well screen was placed to intercept the existing water table at each of the three locations. The temporary groundwater monitoring well locations are depicted on **Figure 3**.

- The temporary wells were evacuated and overburden groundwater samples were collected for laboratory analysis to document concentrations of TCL VOCs and SVOCs and TAL total metals (including mercury).

3.2. Site Investigation Methods

During the completion of the Phase II ESA and Supplemental Subsurface Investigation the following tasks and methodologies were used.

3.2.1. Soil Sampling Methods

Continuous soil sampling was performed at each of the soil borings by direct-push methodologies, using Geoprobe® Systems' equipped with Macro-Core® Soil Samplers. The Macro-Core samplers consist of steel barrels having an inside diameter of 1.75 inches and a length of five feet. Single-use clear acetate liners were inserted into the sampling barrels prior to advancement, and the resultant soil cores were collected in the acetate liners as the samplers were advanced. **Figure 2** shows the boring locations.

3.2.1.1. Soil Classification

The soil samples collected from the borings were field-classified with respect to predominant soil types and texture and relative moisture content, based on manual and visual field observations, and examined for staining and/or obvious indicators of petroleum impact. The observed soil lithologies and pertinent observations are documented on the Boring Logs contained in **Appendix A**.

3.2.1.2. Field Screening

The soil samples from each boring were screened by headspace analysis methods, using a portable PID (MiniRae Model 3000) equipped with a 10.6 eV lamp. The PID was calibrated to a 100 part-per-million (ppm) isobutylene/air calibration gas mixture. The headspace screening was performed by placing a representative portion of the collected

soil samples into re-sealable plastic bags ("Zip-lock" bags), and subsequently screening the air surrounding the soil within the bags with the portable PID as the containerized soil was agitated. The screening was intended to determine the relative concentration of VOCs that are released from the respective soil sample into the airspace of the bag. The PID screening results recorded for each boring was noted on the Boring Logs contained in **Appendix A.**

3.2.1.3. Soil Sample Collection

Soil samples were collected from select borings for laboratory analysis, to document concentrations of Part 375 VOCs, SVOCs, and total metals (including mercury, hexavalent chromium, and total cyanide). The laboratory analyses were performed in accordance with USEPA Method 8260 VOCs, USEPA Method 8270 SVOCs, and USEPA Method 6010/6020 (Total Metals, including mercury, hexavalent chromium, and total cyanide).

The soil sampling locations, depths, and PID headspace screening values are summarized in the following table:

Boring I.D.	*Depth (ft)*	*PID Result (ppm)*	*Analysis*	*Note*
BH-04	8 – 10	16.2	VOCs, SVOCs, Metals	Groundwater Interface
BH-06	11 – 14	100.0	VOCs, SVOCs, Metals	Petroleum Impacted
BH-07	5 – 9	70.5	VOCs, SVOCs, Metals	HFM, Petroleum Impacted
BH-08	0 – 5	42.1	VOCs, SVOCs, Metals	HFM
BH-10	5 – 9	1.9	VOCs, SVOCs, Metals	HFM

Notes:
- ppm – parts per million
- HFM – Historic Fill Material

3.2.2. Groundwater Monitoring Well Installation

C&S observed the drilling and installation of three one-inch temporary groundwater monitoring wells. The well locations are depicted on **Figure 3**. Drilling was conducted by advancing an approximate 2.5-inch diameter Macro-Core® sampler with a track-mounted Geoprobe®. Non-disposable sampling equipment was decontaminated between runs and between drill locations to avoid potential cross contamination of samples. Groundwater was present at approximately 7.5 to 12 feet bgs.

3.2.2.1. Well Construction

Three temporary monitory groundwater wells were installed within an approximate 2.5-inch diameter borehole, resulting from the completion of the boring by the drilling rig. The screened interval consisted of one-inch diameter 0.01-inch slotted PVC, positioned to intersect the groundwater table. Due to their temporary nature, the screened interval was not packed with sand and the upper extent of the wells were not sealed with

bentonite. These wells were sampled on the day of installation. Groundwater was present at approximately 7.5 to 12 feet bgs.

The following table provides the depths of the wells.

Well No.	*Statice Water Level (ft bgs)*	*Total Sounded Depth (ft bgs)*	*Screened Interval (ft bgs)*
TW-02	7.50	15.19	5.19 – 15.19
TW-03	11.88	15.18	5.18 – 15.18
TW-04	7.95	15.20	5.20 – 15.20

3.2.2.2. Well Development and Sampling

Due to the temporary nature of the wells, complete well development was not attempted. However, approximately ten well volumes were removed from TW-02 and TW-03 prior to sampling in order to promote the infiltration of new groundwater through the well screen. Although ten well volumes were not removed from TW-04, the well was purged dry and left to recharge before sampling. The groundwater was observed to be very turbid. No odor was observed at TW-02 or TW-04. A petroleum odor and sheen was observed at TW-03.

Concurrent with sampling, water quality parameters were measured with a Horiba U-52-2 water meter at TW-02. Water quality measurements were not collected at TW-03 or TW-04 due to the petroleum contamination observed in TW-03 and the limited well recharge in TW-04. The well sampling logs are provided in **Appendix B.**

The samples were placed into glassware provided by the laboratory and put on ice in a cooler. A total of three groundwater samples were collected by C&S on April 24, 2023 and submitted for TCL VOCs, TCL SVOCs, and TAL Total Metals (including mercury). The samples were analyzed by Alpha Analytical of Westborough, Massachusetts.

4. Investigation Findings

The findings of the Phase II ESA investigation are further discussed in the sections below.

4.1. Site Geology

The soil lithology across the site generally consisted of fill material comprised of a heterogenous mix of brick, coal, ash, tar, and / or cinders to depths of 2 to 11 feet bgs. This fill material was generally underlain by natural deposits comprised of fine to coarse sand and clay and / or silt. Groundwater was generally encountered at depths of 7.5 to 12 feet bgs. Bedrock was not encountered. The soils from borings were classified in the following simplified category:

Description	*Eastern Side of Site Depth (feet bgs)*	*Western Side of Site Depth (feet bgs)*
Asphalt and / or concrete	0 – 1	0 – 1
HFM including brick, coal, ash, tar, and / or cinder	1 – 6	1 – 9
Black coarse sand	--	9 – 12
Black / brown / gray fine to coarse sand	6 – 10	--
Black / dark brown / gray clay and silty sand (peat and / or marl)	10 – 15	12 – 15

The specific lithology observed at each boring is documented on the corresponding boring logs included in **Appendix A.**

4.2. Site Hydrology

A groundwater survey was not included in the Phase II ESA scope. The following table provides the groundwater depths observed at the time of groundwater sampling from the temporary wells. Based on the topography of the Site and the northward flow of Harbor Brook, it is believed the groundwater at the Site likely flows to the north.

Well No.	*Depth to Water (ft bgs)*
TW-02	7.50
TW-03	11.88
TW-04	7.95

4.3. Soil Field Screening Results

HFM was observed in each of the eight soil borings to varying depths. HFM observations are documents on the boring logs contained in **Appendix A**. HFM observations are summarized in the table below:

Soil Boring ID	Boring Depth (feet bgs)															
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
BH-03		X	X	X	X	X										
BH-04		X	X													
BH-05		X	X	X	X	X	X	X	X							
BH-06		X	X	X	X	X	X	X	X	X	X	X				
BH-07	X	X	X	X	X	X	X	X	X							
BH-08	X	X	X	X	X	X	X	X	X	X	X					
BH-09		X	X	X	X	X	X	X	X							
BH-10		X	X	X	X	X	X	X	X	X						

Notes:
- HFM generally consisted of coal, brick, ash, tar, and / or cinder.
- Red text indicates a soil sample was submitted for laboratory analysis at this interval.

The specific PID screening value recorded for each distinct interval of each boring is documented on the boring logs contained in **Appendix A**. The PID field screening analysis (in ppm) is summarized in the table below:

Soil Boring ID	Boring Depth (feet bgs)															
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
BH-03	-	1.2					0.3		ND			0.2				
BH-04	-	0.7		0.9			-			16.2		0.4		0.9		
BH-05	-	0.5					0.9					1.5				
BH-06	2.3						6.1					-	100.0			5.7
BH-07	5.1						70.5				6.7					
BH-08	42.1						10.0					1.2				
BH-09	-	1.4					1.6			2.0					0.7	
BH-10	-	0.7					1.9				1.9		1.8			1.5

Notes:
- PID readings were collected utilizing a MiniRae 3000 PID equipped with a 10.6 eV lamp.
- The PID screening is performed as a method of determining general presence or absence of VOCs in soil, and to provide a basis for selecting samples for laboratory analysis. The readings obtained provide only an indication of the relative levels of VOCs in the soil, and are not considered to be a direct quantification of actual soil VOC concentration.
- "-" denotes screening was not completed to above-listed depth or insufficient recovery.
- Readings are reported as parts per million (ppm).
- Red text indicates a soil sample was submitted for laboratory analysis at this interval.
- ND – Not detected

Visual / olfactory observations of petroleum impacts were observed in BH-06 from 11 to 14 feet bgs and in BH-07 from 8 to 9 feet bgs. These intervals exhibited a petroleum odor, visible staining, and PID readings of 100 parts per million (ppm) at BH-06 and 70.5 ppm at BH-07. Samples were collected from both of these intervals.

4.4. Groundwater Field Screening Results

Concurrent with groundwater sampling, water quality parameters were measured with a Horiba U-52-2 water meter and headspace readings were collected with a PID. The well sampling logs are provided in **Appendix B.** The PID field screening analysis (in ppm) is summarized in the table below:

Well No.	*PID Screening Result (ppm)*
TW-02	2.3
TW-03	47.6
TW-04	9.8

Visual / olfactory observations of petroleum impacts were observed in TW-03. The groundwater purged from the well had a petroleum odor, visible sheen, and headspace PID readings of 47.6 ppm.

4.5. Spill Reporting

Due to the soil and groundwater field screening results discussed above, 1153 Owner LLC was advised to report these findings to the NYSDEC Spill Hotline. The Site was subsequently assigned Spill No. 23-00933 due to impacts observed during the completion of this Investigation.

4.6. Laboratory Analytical Data Summary

As discussed above, subsurface soil and groundwater samples were collected and analyzed. The analytical data is further summarized below.

4.6.1. Soil Analytical Data

6 NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives (SCO), effective December 14, 2006, includes SCOs that are based on protection of human health, groundwater, and ecological resources. The SCOs are based on the actual or intended site use. The Unrestricted Use SCOs are considered to be representative of pre-release conditions unless an impact to ecological resources has been identified. The Commercial Use SCOs apply to businesses with the primary purpose of buying, selling or trading of merchandise or services.

Given the proposed property use as a commercial space, the soil analytical data has been compared to Unrestricted Use and Commercial Use SCOs. A summary table comparing the analytical data to the selected SCOs is provided in **Table 1**. The completed laboratory reports can be found in **Appendix C**.

Comparison of the subsurface soil analytical data to the selected SCOs indicates:

VOCs:
Acetone was identified in the soil sample collected from BH-06 at a concentration exceeding the respective Unrestricted Use SCO; however, the concentration did not exceed the Commercial Use SCO. Acetone is a common laboratory contaminant.

Numerous VOCs including many benzene derivatives, xylenes, and toluene were setected in soil samples collected from BH-04, BH-06, BH-07, BH-08, and / or BH-10. However, they did not exceed their respective Unrestricted Use or Commercial Use SCOs.

SVOCs:
Concentrations of numerous SVOCs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene were identified in the soil sample collected from BH-08. The identified concentrations exceeded their respective Unrestricted Use SCO and select concentrations exceeded their respective Commercial Use SCO.

Numerous other SVOCs were detected in soil samples but did not exceed their respective SCOs.

Metals:
Concentrations of numerous metals including arsenic, copper, lead, mercury, selenium, and zinc were identified in soil samples collected from BH-04, BH-06, BH-07, BH-08, and / or BH-10. The identified concentrations exceeded their respective Unrestricted Use SCO. Arsenic concentrations in all soil borings exceeded their respective Commercial Use SCO.

4.6.2. Groundwater Analytical Data

Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1) presents NYSDEC Division of Water ambient water quality standards and guidance values and groundwater effluent limitations. The authority for these values is derived from Article 17 of the Environmental Conservation Law and 6 NYCRR Parts 700-706, Water Quality Regulations. The groundwater analytical data generated from this Investigation was compared to TOGS 1.1.1 Part I ambient standards and guidance values. Part II of the document describes and lists groundwater effluent limitations. A summary table comparing the analytical data to the selected groundwater standards is provided in **Table 2**. The completed laboratory reports can be found in **Appendix C**.

Comparison of the groundwater analytical data to the TOGs 1.1.1 Class GA Ambient Water Quality Standards indicates:

VOCs:
Acetone was identified in the groundwater sample collected from TW-04; however, the concentration did not exceed the respective groundwater standard.

While VOCs were not detected in the groundwater sample collected from TW-03, where evidence of petroleum impacts were observed, many of the analyte detection limits exceeded their respective groundwater standard. These elevated detection limits may be due to matrix interferences resulting from the presence of other, non-target petroleum constituents related to degraded petroleum products in this area.

SVOCs:
Concentrations of numerous SVOCs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were identified in groundwater samples collected from all wells. The identified concentrations exceeded their respective groundwater standards. These concentrations may be a result of elevated turbidity and suspended sediments within the groundwater at the time of sampling.

Numerous other SVOCs were detected in groundwater samples but did not exceed their respective groundwater standards.

Metals:
Concentrations of numerous metals including antimony, arsenic, beryllium, cadmium, chromium, iron, lead, magnesium, manganese, mercury, nickel, selenium, sodium, and zinc were identified in groundwater samples collected from one or more of the three temporary wells. The identified concentrations exceeded their respective groundwater standards. These concentrations may be a result of elevated turbidity and suspended sediments within the groundwater at the time of sampling.

5. Conclusions and Recommendations

The findings of this Phase II ESA indicate the following:

- The soil lithology across the Site generally consisted of fill material comprised of a heterogenous mix of brick, coal, ash, tar, and / or cinders to depths of 2 to 11 feet bgs. This fill material was generally underlain by natural deposits comprised of fine to coarse sand and clay and / or silt. Groundwater was generally encountered at depths of 9 to 14 feet bgs. Bedrock was not encountered.

- Soil analytical results indicated the presence of acetone in BH-06 at concentrations exceeding exceeding Unrestricted Use SCOs. Acetone is a common laboratory contaminant. Low levels of VOCs including many benzene derivatives, xylenes, and toluene were detected in samples from BH-04, BH-06, BH-08, and BH-10 at concentrations below Unrestricted Use soil cleanup objectives.

- Soil analytical results indicated the presence of numerous SVOCs in the soil sample collected from BH-08, with concentrations exceeding Unrestricted and Commercial Use SCOs. These compounds are typically associated with petroleum products (diesel, fuel oil, waste/motor oil), coal, and burned organic material (i.e., wood). The presence of historic fill material encountered across the entire investigation area may be contributing to the presence of these SVOCs.

- Soil analytical results indicated the presence of numerous heavy metals across the Site, with concentrations exceeding Unrestricted Use SCOs. Arsenic concentrations across the Site exceeded Commercial Use SCOs.

- While VOCs were not detected in the groundwater sample collected from TW-03, where evidence of petroleum impacts were observed, many of the analyte detection limits exceeded their respective groundwater standard. These elevated detection limits may be due to matrix interferences resulting from the presence of other, non-target petroleum constituents related to degraded petroleum products in this area.

- Groundwater analytical results indicated the presence of numerous SVOCs across the Site, with concentrations exceeding New York TOGS Ambient Water Quality Standards criteria. These concentrations may be a result of elevated turbidity and suspended sediments within the groundwater at the time of sampling.

- Groundwater analytical results indicated the presence of numerous heavy metals across the Site, with concentrations exceeding New York TOGS Ambient Water Quality Standards criteria. These concentrations may be a result of elevated

turbidity and suspended sediments within the groundwater at the time of sampling.

5.1. Recommendations

The identifications of many benzene derivatives, xylenes, and toluene within the soil and / or groundwater beneath the parking lot (former painting and machine shop operations) and in the vicinity of the coal silo and former oil house indicates that there may be impacts from the historical industrial activities at the Site. Certain heavy metals and SVOCs, likely associated with historic fill placements and / or historic industrial activities, have been identified in fill across the site and in groundwater and associated fine sediments beneath the site. Any future on-site construction or intrusive excavation activities should ensure that these materials are properly handled and managed, and future use of the site should take into consideration potential contact / exposure risks to on-site occupants.

The conditions encountered in borings BH-06 and BH-07 and TW-03 indicate that residual petroleum contamination is present in the general vicinity of the former oil house. This discovery has resulted in the issuance of NYSDEC Spill Number 23-00933 to the site. Further investigation of conditions in this area would be necessary to define the lateral and vertical extents of such impacts, and to determine if any remedial activities are required to satisfy regulatory concerns.

It is recommended that this report be provided to the regional office of the NYSDEC and the site conditions and potential need for further action be discussed with that office.

6. References

American Society of Testing Materials (ASTM) E1903-19, *Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process*.

Geologic Map of New York State, Finger Lakes, compiled by L.V. Richard and Donald W. Fisher, New York State Museum and Science Service, 1979.

Soil Survey of Onondaga County, New York, Sheet 29, United States Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS) Web Soil Survey dated 1977.

Environmental Professional Statement and Qualifications

To the best of our professional knowledge and belief, the undersigned meet the definition of "environmental professional" as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess the nature, history, and setting of the Site. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

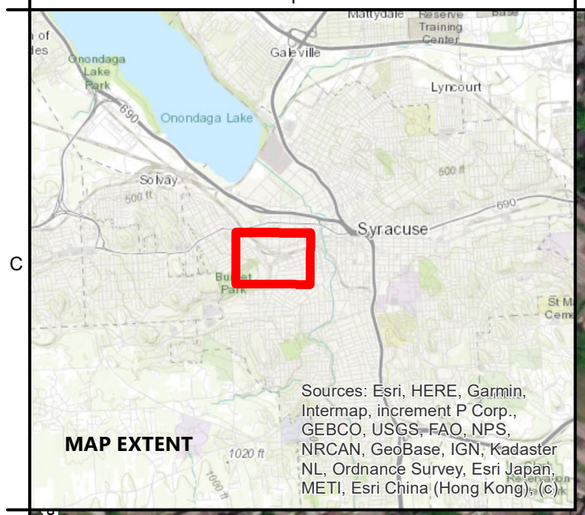
Author's Signature: 

Claire Del Fatti June 30, 2023
Environmental Engineer

Project Manager's Signature: 

H. Nevin Bradford, III, P.E. June 30, 2023
Senior Principal

FIGURES



Document Path: F:\Project\AB2 - 1153 Owner LLC\AB2001002 - 1153 West Fayette Phase II\Planning-Study\GIS\Projects\Figure 1-Project Location Map - FINAL R1.mxd

Notes:
The 0.25 acre portion of the tax parcel excluded from the Subject Property is in the process of being subdivided and sold to the neighbouring property owner.

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1 inch = 417 feet

1153 West Fayette Street
City of Syracuse
Onondaga County, New York

PROJECT NO:	AB2.001.002
DATE:	June 2023
SCALE:	AS SHOWN
DRAWN BY:	CND
DESIGNED BY:	CND
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Modified: 6/30/2023 @ 10:40:22 AM

PROJECT LOCATION MAP

Figure 1

Analyte	CasNum	Unrestricted Use SCO	Commercial Use SCO
General Chemistry			
Chromium, Trivalent	16065-83-1	30	1500
Semivolatile Organics by GC/MS			
Benzo(a)anthracene	56-55-3	1	5.6
Benzo(a)pyrene	50-32-8	1	1
Benzo(b)fluoranthene	205-99-2	1	5.6
Benzo(k)fluoranthene	207-08-9	0.8	56
Chrysene	218-01-9	1	56
Dibenzo(a,h)anthracene	53-70-3	0.33	0.56
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	5.6
Total Metals			
Arsenic, Total	7440-38-2	13	16
Copper, Total	7440-50-8	50	270
Lead, Total	7439-92-1	63	1000
Mercury, Total	7439-97-6	0.18	2.8
Nickel, Total	7440-02-0	30	310
Selenium, Total	7782-49-2	3.9	1500
Zinc, Total	7440-66-6	109	10000
Volatile Organics by EPA 5035			
Acetone	67-64-1	0.05	500

LOCATION	BH-10 5-9	
SAMPLING DATE	4/24/2023	
LAB SAMPLE ID	L2322073-06	
SAMPLE TYPE	SOIL	
SAMPLE DEPTH (ft.)	5 - 9	
Analyte	**Results**	**Qualifier**
Total Metals		
Arsenic, Total	*20.2*	
Copper, Total	*64.9*	
Mercury, Total	*0.342*	

LOCATION	BH-08 0-5	
SAMPLING DATE	4/24/2023	
LAB SAMPLE ID	L2322073-05	
SAMPLE TYPE	SOIL	
SAMPLE DEPTH (ft.)	0 - 5	
Analyte	**Results**	**Qualifier**
Semivolatile Organics by GC/MS		
Benzo(a)anthracene	*2.6*	
Benzo(a)pyrene	*5.2*	
Benzo(b)fluoranthene	*5.2*	
Benzo(k)fluoranthene	*1.8*	
Chrysene	*2.4*	
Dibenzo(a,h)anthracene	*0.82*	
Indeno(1,2,3-cd)pyrene	*6.3*	
Total Metals		
Arsenic, Total	*22.5*	
Lead, Total	*74.3*	

LOCATION	BH-07 5-9	
SAMPLING DATE	4/24/2023	
LAB SAMPLE ID	L2322073-04	
SAMPLE TYPE	SOIL	
SAMPLE DEPTH (ft.)	5 - 9	
Analyte	**Results**	**Qualifier**
Total Metals		
Arsenic, Total	*29.8*	
Copper, Total	*58.5*	
Lead, Total	*556*	
Zinc, Total	*211*	

LOCATION	BH-06 11-14	
SAMPLING DATE	4/24/2023	
LAB SAMPLE ID	L2322073-03	
SAMPLE TYPE	SOIL	
SAMPLE DEPTH (ft.)	11 - 14	
Analyte	**Results**	**Qualifier**
Total Metals		
Arsenic, Total	*38.4*	
Lead, Total	*204*	
Zinc, Total	*206*	
Volatile Organics by EPA 5035		
Acetone	*0.11*	

LOCATION	BH-04 8-10	
SAMPLING DATE	4/24/2023	
LAB SAMPLE ID	L2322073-02	
SAMPLE TYPE	SOIL	
SAMPLE DEPTH (ft.)	8 - 10	
Analyte	**Results**	**Qualifier**
Total Metals		
Arsenic, Total	*17.2*	
Copper, Total	*107*	
Lead, Total	*90.7*	
Mercury, Total	*1.87*	
Selenium, Total	*4.85*	
Zinc, Total	*192*	

LEGEND

- Indoor Borings
- Sampled Borings
- Outdoor Borings
- Subject Property

BH-10
BH-09
BH-03
BH-08
BH-07
BH-04
BH-06
BH-05

Notes:

1. All values are reported in mg/kg unless otherwise indicated.
2. Shaded values indicate the analyte exceeds the respective standard/guideline value.

Definitions:

J - Estimated Concentration
SCO - Soil Cleanup Objective
mg/kg - Milligrams per kilogram
ft - Feet

NAD 1983 CORS96 StatePlane New York Central FIPS 3102 Ft US
Projection: Transverse Mercator
Datum: NAD_1983_CORS96
False Easting: 820,208.3333
False Northing: 0.0000
Central Meridian: -76.5833
Scale Factor: 0.9999
Latitude Of Origin: 40.0000
Units: Foot US

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Document Path: F:\Project\AB2 - 1153 Owner LLC\AB2001002 - 1153 West Fayette Phase II\Planning-Study\GIS\Projects\Figure 2 - Soil Sampling Map - FINAL.mxd

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1 inch = 83 feet

1153 West Fayette Street
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PROJECT NO:	AB2.001.002
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CHECKED BY:	

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SOIL SAMPLING MAP

Figure 2

Analyte	CasNum	NY-TOGS-AWQS
Semivolatile Organics by GC/MS-SIM		
Benzo(a)anthracene	56-55-3	0.002
Benzo(a)pyrene	50-32-8	0
Benzo(b)fluoranthene	205-99-2	0.002
Benzo(k)fluoranthene	207-08-9	0.002
Chrysene	218-01-9	0.002
Indeno(1,2,3-cd)pyrene	193-39-5	0.002
Total Metals		
Antimony, Total	7440-36-0	3
Arsenic, Total	7440-38-2	25
Beryllium, Total	7440-41-7	3
Cadmium, Total	7440-43-9	5
Chromium, Total	7440-47-3	50
Iron, Total	7439-89-6	300
Lead, Total	7439-92-1	25
Magnesium, Total	7439-95-4	35000
Manganese, Total	7439-96-5	300
Mercury, Total	7439-97-6	0.7
Nickel, Total	7440-02-0	100
Potassium, Total	7440-09-7	
Selenium, Total	7782-49-2	10
Sodium, Total	7440-23-5	20000
Thallium, Total	7440-28-0	0.5
Zinc, Total	7440-66-6	2000

LOCATION	TW-04	
SAMPLING DATE	4/24/2023	
LAB SAMPLE ID	L2322083-04	
SAMPLE TYPE	WATER	
SAMPLE DEPTH (ft.)	15	
Analyte	**Results**	**Qualifier**
Semivolatile Organics by GC/MS-SIM		
Benzo(a)anthracene	*0.06*	*J*
Benzo(a)pyrene	*0.08*	*J*
Benzo(b)fluoranthene	*0.12*	
Benzo(k)fluoranthene	*0.03*	*J*
Chrysene	*0.07*	*J*
Indeno(1,2,3-cd)pyrene	*0.08*	*J*
Total Metals		
Cadmium, Total	*5.36*	
Chromium, Total	*69.25*	
Iron, Total	*24100*	
Lead, Total	*204.3*	
Magnesium, Total	*73900*	
Manganese, Total	*2851*	
Sodium, Total	*277000*	

LOCATION	TW-03	
SAMPLING DATE	4/24/2023	
LAB SAMPLE ID	L2322083-03	
SAMPLE TYPE	WATER	
SAMPLE DEPTH (ft.)	15	
Analyte	**Results**	**Qualifier**
Semivolatile Organics by GC/MS-SIM		
Benzo(a)anthracene	*1.5*	
Benzo(a)pyrene	*2.1*	
Benzo(b)fluoranthene	*2.4*	
Benzo(k)fluoranthene	*0.95*	
Chrysene	*1.6*	
Indeno(1,2,3-cd)pyrene	*2*	
Total Metals		
Antimony, Total	*5.52*	
Arsenic, Total	*68.4*	
Beryllium, Total	*5.87*	
Chromium, Total	*54.26*	
Iron, Total	*226000*	
Lead, Total	*2688*	
Manganese, Total	*1790*	
Nickel, Total	*102.8*	
Selenium, Total	*24.6*	
Sodium, Total	*44600*	
Zinc, Total	*3527*	

LOCATION	TW-02	
SAMPLING DATE	4/24/2023	
LAB SAMPLE ID	L2322083-02	
SAMPLE TYPE	WATER	
SAMPLE DEPTH (ft.)	15	
Analyte	**Results**	**Qualifier**
Semivolatile Organics by GC/MS-SIM		
Benzo(a)anthracene	*0.04*	*J*
Benzo(a)pyrene	*0.04*	*J*
Benzo(b)fluoranthene	*0.05*	*J*
Benzo(k)fluoranthene	*0.02*	*J*
Chrysene	*0.03*	*J*
Indeno(1,2,3-cd)pyrene	*0.03*	*J*
Total Metals		
Antimony, Total	*2.54*	*J*
Iron, Total	*36800*	
Lead, Total	*309.5*	
Manganese, Total	*512.9*	
Mercury, Total	*7.05*	
Sodium, Total	*90200*	

LEGEND

- Temporary Monitoring Wells
- Subject Property

TW-04

TW-02

TW-03

Notes:

1. All values are reported in ug/L unless otherwise indicated.
2. Shaded values indicate the analyte exceeds the respective standard/guideline value.

Definitions:

J - Estimated Concentration
AWQS - Ambient Water Quality Standards
ug/L - Micrograms per liter
ft - Feet

NAD 1983 CORS96 StatePlane New York Central FIPS 3102 Ft US
Projection: Transverse Mercator
Datum: NAD_1983 CORS96
False Easting: 820,208.3333
False Northing: 0.0000
Central Meridian: -76.5833
Scale Factor: 0.9999
Latitude Of Origin: 40.0000
Units: Foot US

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Document Path: F:\Project\AB2 - 1153 Owner LLC\AB2001002 - 1153 West Fayette Phase II\Planning-Study\GIS\Projects\Figure 3 - Groundwater Sampling Map - FINAL.mxd

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1 inch = 83 feet

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DATE:	June 2023
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DRAWN BY:	CND
DESIGNED BY:	CND
CHECKED BY:	

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GROUNDWATER SAMPLING MAP

Figure 3

TABLES

Table 1

Soil Analytical Data Summary
Phase II ESA
1153 West Fayette Street
Syracuse, New York

			LOCATION	**BH-04 8-10**		**BH-06 11-14**		**BH-07 5-9**		**BH-08 0-5**		**BH-10 5-9**	
			SAMPLING DATE	**4/24/2023**		**4/24/2023**		**4/24/2023**		**4/24/2023**		**4/24/2023**	
			LAB SAMPLE ID	**L2322073-02**		**L2322073-03**		**L2322073-04**		**L2322073-05**		**L2322073-06**	
			SAMPLE TYPE	**SOIL**		**SOIL**		**SOIL**		**SOIL**		**SOIL**	
			SAMPLE DEPTH (ft.)	**8 - 10**		**11 - 14**		**5 - 9**		**0 - 5**		**5 - 9**	
Analyte	**CasNum**	**Unrestricted Use SCO**	**Commercial Use SCO**	**Results**	**Qualifier**	**Results**	**Qualifier**	**Results**	**Qualifier**	**Results**	**Qualifier**	**Results**	**Qualifier**
General Chemistry													
Chromium, Hexavalent	18540-29-9	1	400	1.03	U	1.01	U	0.998	U	0.87	U	0.932	U
Chromium, Trivalent	16065-83-1	30	1500	***21.1***		***26.7***		***25.9***		***23.6***		***14.1***	
Cyanide, Total	57-12-5	27	27	1.2	U	1.2	U	1.2	U	***0.24***	***J***	1.1	U
Solids, Total	NONE			77.60%		79.50%		80.20%		91.90%		85.80%	
Semivolatile Organics by GC/MS													
1,4-Dioxane	123-91-1	0.1	130	0.032	U	0.092	U	0.031	U	0.027	U	0.028	U
2-Methylphenol	95-48-7	0.33	500	0.21	U	0.62	U	0.2	U	0.18	U	0.19	U
3-Methylphenol/4-Methylpheno	108-39-4/106-44-5	0.33	500	0.3	U	0.89	U	0.29	U	0.26	U	0.27	U
Acenaphthene	83-32-9	20	500	***0.15***	***J***	***0.64***		***0.054***	***J***	***0.046***	***J***	0.15	U
Acenaphthylene	208-96-8	100	500	0.17	U	0.49	U	0.16	U	***0.29***		0.15	U
Anthracene	120-12-7	100	500	***0.26***		0.37	U	***0.12***		***0.42***		0.11	U
Benzo(a)anthracene	56-55-3	1	5.6	***0.39***		***0.16***	***J***	***0.23***		***2.6***		***0.12***	
Benzo(a)pyrene	50-32-8	1	1	***0.36***		***0.16***	***J***	***0.23***		***5.2***		***0.11***	***J***
Benzo(b)fluoranthene	205-99-2	1	5.6	***0.35***		***0.2***	***J***	***0.26***		***5.2***		***0.13***	
Benzo(ghi)perylene	191-24-2	100	500	***0.19***		***0.21***	***J***	***0.17***		***6.2***		***0.075***	***J***
Benzo(k)fluoranthene	207-08-9	0.8	56	***0.15***		0.37	U	***0.1***	***J***	***1.8***		***0.047***	***J***
Chrysene	218-01-9	1	56	***0.36***		***0.25***	***J***	***0.31***		***2.4***		***0.16***	
Dibenzo(a,h)anthracene	53-70-3	0.33	0.56	***0.044***	***J***	0.37	U	***0.041***	***J***	***0.82***		***0.024***	***J***
Dibenzofuran	132-64-9	7	350	***0.066***	***J***	0.62	U	***0.12***	***J***	***0.24***		0.19	U
Fluoranthene	206-44-0	100	500	***0.86***		***0.36***	***J***	***0.38***		***2.6***		***0.13***	
Fluorene	86-73-7	30	500	***0.12***	***J***	0.62	U	***0.15***	***J***	***0.1***	***J***	***0.032***	***J***
Hexachlorobenzene	118-74-1	0.33	6	0.13	U	0.37	U	0.12	U	0.11	U	0.11	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	5.6	***0.21***		***0.16***	***J***	***0.16***		***6.3***		***0.067***	***J***
Naphthalene	91-20-3	12	500	***0.045***	***J***	***0.87***		***0.25***		***0.43***		***0.039***	***J***
Pentachlorophenol	87-86-5	0.8	6.7	0.17	U	0.49	U	0.16	U	0.14	U	0.15	U
Phenanthrene	85-01-8	100	500	***0.95***		***0.56***		***0.5***		***1.7***		***0.22***	
Phenol	108-95-2	0.33	500	0.21	U	0.62	U	0.2	U	0.18	U	0.19	U
Pyrene	129-00-0	100	500	***0.76***		***0.49***		***0.37***		***2.7***		***0.12***	
Total Metals													
Arsenic, Total	7440-38-2	13	16	***17.2***		***38.4***		***29.8***		***22.5***		***20.2***	
Barium, Total	7440-39-3	350	400	***28.6***		***32.5***		***69***		***54.9***		***30.9***	
Beryllium, Total	7440-41-7	7.2	590	***0.316***		***1.38***		***0.511***		***0.384***		***0.538***	
Cadmium, Total	7440-43-9	2.5	9.3	***0.71***		***0.816***	***J***	***1.72***		***0.681***		***0.235***	***J***
Chromium, Total	7440-47-3			***21.1***		***26.7***		***25.9***		***23.6***		***14.1***	
Copper, Total	7440-50-8	50	270	***107***		***29.1***		***58.5***		***41.5***		***26.8***	
Lead, Total	7439-92-1	63	1000	***90.7***		***204***		***556***		***74.3***		***64.9***	
Manganese, Total	7439-96-5	1600	10000	***660***		***727***		***577***		***467***		***514***	
Mercury, Total	7439-97-6	0.18	2.8	***1.87***		***0.059***	***J***	***0.088***		***0.066***	***J***	***0.342***	
Nickel, Total	7440-02-0	30	310	***28.2***		***11.7***		***17.4***		***15.9***		***14***	
Selenium, Total	7782-49-2	3.9	1500	***4.85***		***1.29***	***J***	***1.44***		***1.35***		***0.617***	***J***
Silver, Total	7440-22-4	2	1500	1.22	U	1.25	U	0.482	U	0.434	U	0.446	U
Zinc, Total	7440-66-6	109	10000	***192***		***206***		***211***		***39.6***		***42.9***	
Volatile Organics by EPA 5035													
1,1,1-Trichloroethane	71-55-6	0.68	500	0.00064	U	0.00084	U	0.00076	U	0.00069	U	0.0018	U
1,1-Dichloroethane	75-34-3	0.27	240	0.0013	U	0.0017	U	0.0015	U	0.0014	U	0.0035	U
1,1-Dichloroethene	75-35-4	0.33	500	0.0013	U	0.0017	U	0.0015	U	0.0014	U	0.0035	U
1,2,4-Trimethylbenzene	95-63-6	3.6	190	***0.0013***	***J***	***0.0028***	***J***	0.003	U	0.0028	U	0.0071	U
1,2-Dichlorobenzene	95-50-1	1.1	500	0.0026	U	0.0034	U	0.003	U	0.0028	U	0.0071	U
1,2-Dichloroethane	107-06-2	0.02	30	0.0013	U	0.0017	U	0.0015	U	0.0014	U	0.0035	U
1,3,5-Trimethylbenzene	108-67-8	8.4	190	***0.00037***	***J***	***0.00053***	***J***	0.003	U	0.0028	U	0.0071	U
1,3-Dichlorobenzene	541-73-1	2.4	280	0.0026	U	0.0034	U	0.003	U	0.0028	U	0.0071	U
1,4-Dichlorobenzene	106-46-7	1.8	130	0.0026	U	0.0034	U	0.003	U	0.0028	U	0.0071	U
1,4-Dioxane	123-91-1	0.1	130	0.1	U	0.13	U	0.12	U	0.11	U	0.28	U
2-Butanone	78-93-3	0.12	500	0.013	U	***0.025***		0.015	U	0.014	U	***0.0078***	***J***
Acetone	67-64-1	0.05	500	0.013	U	***0.11***		0.015	U	***0.012***	***J***	***0.041***	
Benzene	71-43-2	0.06	44	***0.0027***		***0.015***		0.00076	U	***0.0022***		0.0018	U
Carbon tetrachloride	56-23-5	0.76	22	0.0013	U	0.0017	U	0.0015	U	0.0014	U	0.0035	U
Chlorobenzene	108-90-7	1.1	500	0.00064	U	0.00084	U	0.00076	U	0.00069	U	0.0018	U
Chloroform	67-66-3	0.37	350	0.0019	U	0.0025	U	0.0023	U	0.0021	U	0.0053	U
cis-1,2-Dichloroethene	156-59-2	0.25	500	0.0013	U	0.0017	U	0.0015	U	0.0014	U	0.0035	U
Ethylbenzene	100-41-4	1	390	***0.0085***		***0.012***		0.0015	U	***0.00066***	***J***	***0.00088***	***J***
Methyl tert butyl ether	1634-04-4	0.93	500	0.0026	U	0.0034	U	0.003	U	0.0028	U	0.0071	U
Methylene chloride	75-09-2	0.05	500	0.0064	U	0.0084	U	0.0076	U	0.0069	U	0.018	U
n-Butylbenzene	104-51-8	12	500	***0.0018***		***0.0035***		0.0015	U	0.0014	U	0.0035	U
n-Propylbenzene	103-65-1	3.9	500	***0.0047***		***0.0046***		0.0015	U	0.0014	U	0.0035	U
o-Xylene	95-47-6			***0.0034***		***0.0054***		0.0015	U	0.0014	U	0.0035	U
p/m-Xylene	179601-23-1			***0.0057***		***0.0085***		0.003	U	0.0028	U	0.0071	U
sec-Butylbenzene	135-98-8	11	500	***0.00095***	***J***	***0.0028***		0.0015	U	0.0014	U	0.0035	U
tert-Butylbenzene	98-06-6	5.9	500	0.0026	U	***0.0051***		0.003	U	0.0028	U	0.0071	U
Tetrachloroethene	127-18-4	1.3	150	0.00064	U	0.00084	U	0.00076	U	0.00069	U	0.0018	U
Toluene	108-88-3	0.7	500	***0.0087***		***0.024***		0.0015	U	***0.0016***		0.0035	U
trans-1,2-Dichloroethene	156-60-5	0.19	500	0.0019	U	0.0025	U	0.0023	U	0.0021	U	0.0053	U
Trichloroethene	79-01-6	0.47	200	0.00064	U	0.00084	U	0.00076	U	0.00069	U	0.0018	U
Vinyl chloride	75-01-4	0.02	13	0.0013	U	0.0017	U	0.0015	U	0.0014	U	0.0035	U

Notes:
All values are reported in mg/kg unless otherwise indicated.

Definitions:

Unrestricted Use SCO	- New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
Commercial Use SCO	- New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
Bolded & Italicized	- Indicates analyte detected at concentrations greater than laboratory detection limits.
Color Highlighted	- Indicates analyte exceeds the respective standard/guideline value.
Gray Highlighted	- Indicates the laboratory detection limit exceeds the respective standard/guideline value.
U	- Not detected at the reported detection limit for the sample.
J	- Estimated value.
mg/kg	- Milligrams per kilogram
ft	- Feet
SCO	- Soil cleanup objective

Table 2

Groundwater Analytical Data Summary
Phase II ESA
1153 West Fayette Street
Syracuse, New York

		LOCATION	**TW-02**		**TW-03**		**TW-04**	
		SAMPLING DATE	**4/24/2023**		**4/24/2023**		**4/24/2023**	
		LAB SAMPLE ID	**L2322083-02**		**L2322083-03**		**L2322083-04**	
		SAMPLE TYPE	**WATER**		**WATER**		**WATER**	
		SAMPLE DEPTH (ft.)	**15**		**15**		**15**	
Analyte	**CasNum**	**NY-TOGS-AWQS**	**Results**	**Qualifier**	**Results**	**Qualifier**	**Results**	**Qualifier**
Semivolatile Organics by GC/MS			**Semivolatile Organics by GC/MS**					
1,2,4,5-Tetrachlorobenzene	95-94-3	5	10	U	10	U	10	U
2,3,4,6-Tetrachlorophenol	58-90-2		5	U	5	U	5	U
2,4,5-Trichlorophenol	95-95-4		5	U	5	U	5	U
2,4,6-Trichlorophenol	88-06-2		5	U	5	U	5	U
2,4-Dichlorophenol	120-83-2	1	5	U	5	U	5	U
2,4-Dimethylphenol	105-67-9	50	5	U	5	U	5	U
2,4-Dinitrophenol	51-28-5	10	20	U	20	U	20	U
2,4-Dinitrotoluene	121-14-2	5	5	U	5	U	5	U
2,6-Dinitrotoluene	606-20-2	5	5	U	5	U	5	U
2-Chlorophenol	95-57-8		2	U	2	U	2	U
2-Methylphenol	95-48-7		5	U	5	U	5	U
2-Nitroaniline	88-74-4	5	5	U	5	U	5	U
2-Nitrophenol	88-75-5		10	U	10	U	10	U
3,3'-Dichlorobenzidine	91-94-1	5	5	U	5	U	5	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5		5	U	5	U	5	U
3-Nitroaniline	99-09-2	5	5	U	5	U	5	U
4,6-Dinitro-o-cresol	534-52-1		10	U	10	U	10	U
4-Bromophenyl phenyl ether	101-55-3		2	U	2	U	2	U
4-Chloroaniline	106-47-8	5	5	U	5	U	5	U
4-Chlorophenyl phenyl ether	7005-72-3		2	U	2	U	2	U
4-Nitroaniline	100-01-6	5	5	U	5	U	5	U
4-Nitrophenol	100-02-7		10	U	10	U	10	U
Acetophenone	98-86-2		5	U	5	U	5	U
Atrazine	1912-24-9	7.5	10	U	10	U	10	U
Benzaldehyde	100-52-7		5	U	5	U	5	U
Biphenyl	92-52-4		2	U	2	U	2	U
Bis(2-chloroethoxy)methane	111-91-1	5	5	U	5	U	5	U
Bis(2-chloroethyl)ether	111-44-4	1	2	U	2	U	2	U
Bis(2-chloroisopropyl)ether	108-60-1	5	2	U	2	U	2	U
Bis(2-ethylhexyl)phthalate	117-81-7	5	3	U	3	U	3	U
Butyl benzyl phthalate	85-68-7	50	5	U	5	U	5	U
Caprolactam	105-60-2		10	U	10	U	10	U
Carbazole	86-74-8		2	U	2	U	2	U
Di-n-butylphthalate	84-74-2	50	5	U	5	U	5	U
Di-n-octylphthalate	117-84-0	50	5	U	5	U	5	U
Dibenzofuran	132-64-9		2	U	2	U	2	U
Diethyl phthalate	84-66-2	50	5	U	5	U	5	U
Dimethyl phthalate	131-11-3	50	5	U	5	U	5	U
Hexachlorocyclopentadiene	77-47-4	5	20	U	20	U	20	U
Isophorone	78-59-1	50	5	U	5	U	5	U
n-Nitrosodi-n-propylamine	621-64-7		5	U	5	U	5	U
NDPA/DPA	86-30-6	50	2	U	2	U	2	U
Nitrobenzene	98-95-3	0.4	2	U	2	U	2	U
p-Chloro-m-cresol	59-50-7		2	U	2	U	2	U
Phenol	108-95-2	1	5	U	5	U	5	U
Semivolatile Organics by GC/MS-SIM			**Semivolatile Organics by GC/MS-SIM**					
2-Chloronaphthalene	91-58-7	10	0.2	U	0.2	U	0.2	U
2-Methylnaphthalene	91-57-6		0.1	U	0.1	U	***0.13***	
Acenaphthene	83-32-9	20	***0.02***	***J***	***4.1***		***0.02***	***J***
Acenaphthylene	208-96-8		0.1	U	0.1	U	0.1	U
Anthracene	120-12-7	50	0.1	U	0.1	U	0.1	U
Benzo(a)anthracene	56-55-3	0.002	***0.04***	***J***	***1.5***		***0.06***	***J***
Benzo(a)pyrene	50-32-8	0	***0.04***	***J***	***2.1***		***0.08***	***J***
Benzo(b)fluoranthene	205-99-2	0.002	***0.05***	***J***	***2.4***		***0.12***	
Benzo(ghi)perylene	191-24-2		***0.03***	***J***	***2.3***		***0.09***	***J***
Benzo(k)fluoranthene	207-08-9	0.002	***0.02***	***J***	***0.95***		***0.03***	***J***
Chrysene	218-01-9	0.002	***0.03***	***J***	***1.6***		***0.07***	***J***
Dibenzo(a,h)anthracene	53-70-3		0.1	U	***0.29***		0.1	U
Fluoranthene	206-44-0	50	***0.08***	***J***	***3.9***		***0.16***	
Fluorene	86-73-7	50	0.1	U	0.1	U	0.1	U
Hexachlorobenzene	118-74-1	0.04	0.8	U	0.8	U	0.8	U
Hexachlorobutadiene	87-68-3	0.5	0.5	U	0.5	U	0.5	U
Hexachloroethane	67-72-1	5	0.8	U	0.8	U	0.8	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	***0.03***	***J***	***2***		***0.08***	***J***
Naphthalene	91-20-3	10	0.1	U	0.1	U	***0.08***	***J***
Pentachlorophenol	87-86-5	1	0.8	U	0.8	U	0.8	U
Phenanthrene	85-01-8	50	***0.06***	***J***	0.1	U	***0.13***	
Pyrene	129-00-0	50	***0.07***	***J***	***4.9***		***0.13***	
Total Metals			**Total Metals**					
Aluminum, Total	7429-90-5		***4550***		***15300***		***6990***	
Antimony, Total	7440-36-0	3	***2.54***	***J***	***5.52***		***25.23***	
Arsenic, Total	7440-38-2	25	***8.88***		***68.4***		***18.09***	
Barium, Total	7440-39-3	1000	***176.5***		***305.2***		***151.7***	
Beryllium, Total	7440-41-7	3	***0.34***	***J***	***5.87***		***1.3***	***J***
Cadmium, Total	7440-43-9	5	***0.53***		***2.18***		***5.36***	
Calcium, Total	7440-70-2		***181000***		***208000***		***1240000***	
Chromium, Total	7440-47-3	50	***19.25***		***54.26***		***69.25***	
Cobalt, Total	7440-48-4		***5.54***		***35.17***		***15.06***	
Copper, Total	7440-50-8	200	***121***		***126.8***		***24.18***	
Iron, Total	7439-89-6	300	***36800***		***226000***		***24100***	
Lead, Total	7439-92-1	25	***309.5***		***2688***		***204.3***	
Magnesium, Total	7439-95-4	35000	***13100***		***30700***		***73900***	
Manganese, Total	7439-96-5	300	***512.9***		***1790***		***2851***	
Mercury, Total	7439-97-6	0.7	***7.05***		***0.14***	***J***	***0.19***	***J***
Nickel, Total	7440-02-0	100	***30.85***		***102.8***		***40.68***	
Potassium, Total	7440-09-7		***7670***		***5800***		***8000***	
Selenium, Total	7782-49-2	10	***2.38***	***J***	***24.6***		25	U
Silver, Total	7440-22-4	50	***1.17***		***0.56***		2	U
Sodium, Total	7440-23-5	20000	***90200***		***44600***		***277000***	
Thallium, Total	7440-28-0	0.5	1	U	***0.25***	***J***	5	U
Vanadium, Total	7440-62-2		***29.6***		***178.3***		***18.91***	***J***
Zinc, Total	7440-66-6	2000	***521.9***		***3527***		***856.9***	

Table 2

Groundwater Analytical Data Summary
Phase II ESA
1153 West Fayette Street
Syracuse, New York

			LOCATION	TW-02		TW-03		TW-04	
			SAMPLING DATE	4/24/2023		4/24/2023		4/24/2023	
			LAB SAMPLE ID	L2322083-02		L2322083-03		L2322083-04	
			SAMPLE TYPE	WATER		WATER		WATER	
			SAMPLE DEPTH (ft.)	15		15		15	
Analyte	**CasNum**	**NY-TOGS-AWQS**	**Results**	**Qualifier**	**Results**	**Qualifier**	**Results**	**Qualifier**
Volatile Organics by GC/MS			**Volatile Organics by GC/MS**					
1,1,1-Trichloroethane	71-55-6	5	2.5	U	10	U	2.5	U
1,1,2,2-Tetrachloroethane	79-34-5	5	0.5	U	2	U	0.5	U
1,1,2-Trichloroethane	79-00-5	1	1.5	U	6	U	1.5	U
1,1-Dichloroethane	75-34-3	5	2.5	U	10	U	2.5	U
1,1-Dichloroethene	75-35-4	5	0.5	U	2	U	0.5	U
1,2,4-Trichlorobenzene	120-82-1	5	2.5	U	10	U	2.5	U
1,2,4-Trimethylbenzene	95-63-6	5	2.5	U	10	U	2.5	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	2.5	U	10	U	2.5	U
1,2-Dibromoethane	106-93-4	0.0006	2	U	8	U	2	U
1,2-Dichlorobenzene	95-50-1	3	2.5	U	10	U	2.5	U
1,2-Dichloroethane	107-06-2	0.6	0.5	U	2	U	0.5	U
1,2-Dichloropropane	78-87-5	1	1	U	4	U	1	U
1,3,5-Trimethylbenzene	108-67-8	5	2.5	U	10	U	2.5	U
1,3-Dichlorobenzene	541-73-1	3	2.5	U	10	U	2.5	U
1,4-Dichlorobenzene	106-46-7	3	2.5	U	10	U	2.5	U
2-Butanone	78-93-3	50	5	U	20	U	5	U
2-Hexanone	591-78-6	50	5	U	20	U	5	U
4-Methyl-2-pentanone	108-10-1		5	U	20	U	5	U
Acetone	67-64-1	50	5	U	20	U	***3.1***	***J***
Benzene	71-43-2	1	0.5	U	2	U	0.5	U
Bromodichloromethane	75-27-4	50	0.5	U	2	U	0.5	U
Bromoform	75-25-2	50	2	U	8	U	2	U
Bromomethane	74-83-9	5	2.5	U	10	U	2.5	U
Carbon disulfide	75-15-0	60	5	U	20	U	5	U
Carbon tetrachloride	56-23-5	5	0.5	U	2	U	0.5	U
Chlorobenzene	108-90-7	5	2.5	U	10	U	2.5	U
Chloroethane	75-00-3	5	2.5	U	10	U	2.5	U
Chloroform	67-66-3	7	2.5	U	10	U	2.5	U
Chloromethane	74-87-3		2.5	U	10	U	2.5	U
cis-1,2-Dichloroethene	156-59-2	5	2.5	U	10	U	2.5	U
cis-1,3-Dichloropropene	10061-01-5	0.4	0.5	U	2	U	0.5	U
Cyclohexane	110-82-7		10	U	40	U	10	U
Dibromochloromethane	124-48-1	50	0.5	U	2	U	0.5	U
Dichlorodifluoromethane	75-71-8	5	5	U	20	U	5	U
Ethylbenzene	100-41-4	5	2.5	U	10	U	2.5	U
Freon-113	76-13-1	5	2.5	U	10	U	2.5	U
Isopropylbenzene	98-82-8	5	2.5	U	10	U	2.5	U
Methyl Acetate	79-20-9		2	U	8	U	2	U
Methyl cyclohexane	108-87-2		10	U	40	U	10	U
Methyl tert butyl ether	1634-04-4	10	2.5	U	10	U	2.5	U
Methylene chloride	75-09-2	5	2.5	U	10	U	2.5	U
n-Butylbenzene	104-51-8	5	2.5	U	10	U	2.5	U
n-Propylbenzene	103-65-1	5	2.5	U	10	U	2.5	U
Naphthalene	91-20-3	10	2.5	U	10	U	2.5	U
o-Xylene	95-47-6	5	2.5	U	10	U	2.5	U
p-Isopropyltoluene	99-87-6	5	2.5	U	10	U	2.5	U
p/m-Xylene	179601-23-1	5	2.5	U	10	U	2.5	U
sec-Butylbenzene	135-98-8	5	2.5	U	10	U	2.5	U
Styrene	100-42-5	5	2.5	U	10	U	2.5	U
tert-Butylbenzene	98-06-6	5	2.5	U	10	U	2.5	U
Tetrachloroethene	127-18-4	5	0.5	U	2	U	0.5	U
Toluene	108-88-3	5	2.5	U	10	U	2.5	U
trans-1,2-Dichloroethene	156-60-5	5	2.5	U	10	U	2.5	U
trans-1,3-Dichloropropene	10061-02-6	0.4	0.5	U	2	U	0.5	U
Trichloroethene	79-01-6	5	0.5	U	2	U	0.5	U
Trichlorofluoromethane	75-69-4	5	2.5	U	10	U	2.5	U
Vinyl chloride	75-01-4	2	1	U	4	U	1	U

Notes:

All values are reported in µg/L unless otherwise indicated.

Definitions:

NY-TOGS-AWQS	- New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.
Bolded & Italicized	- Indicates analyte detected at concentrations greater than laboratory detection limits.
Color Highlighted	- Indicates analyte exceeds the respective standard/guideline value.
Gray Highlighted	- Indicates the laboratory detection limit exceeds the respective standard/guideline value.
U	- Not detected at the reported detection limit for the sample.
J	- Estimated value.
µg/L	- Micrograms per liter
ft	- Feet

APPENDICES

Appendix A
Soil Boring Logs

C&S COMPANIES

C&S Engineers, Inc.
499 Col Eileen Collins Blvd
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

BORING LOG

Boring No.	BH-03
Sheet 1 of:	1
Project No.:	AB2.001.002
Surface Elev.:	
Datum:	BH-03
Start Date:	4/24/23
Finish Date:	4/24/23
Inspector:	C. Del Fatti

Project Name:	1153 West Fayette Street Phase II ESA
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	Matrix Environmental

Groundwater	Depth	Date & Time
While Drilling:		
Before Casing Removal:		
After Casing Removal:		

Drill Rig:			
Casing:		**Rock Core:**	**Undist:**
Sampler:		**Other:**	start time: 1005
Hammer:			

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION (c - coarse, m - medium, f - fine; a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%; S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey)	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
1				0-0.5ft: asphalt	0-5ft:
				0.5-5ft: historic fill material, coal, brick, tar, ash, black, gray, red, no odor	50% recovery
2					open air = 0.0ppm
					headspace = 1.2ppm
3					(0-5ft)
4					
5				5-7ft: dark brown, silty sand (fine), poorly graded, moist, no odor	5-10ft:
					50% recovery
6					open air = 0.0ppm
				7-8ft: gray/white, coarse sand with little medium gravel, well-graded, no odor, moist	headspace = 0.3ppm
7					(5-7ft)
				8-9ft: orange, fmc sand, trace fm gravel, well-graded, no odor, moist	headspace = 0.0ppm
8					(7-9ft)
				9ft: groundwater interface	
9					
				9-10ft: black/gray, coarse sand with some gravel, well-graded, saturated, no odor	
10					10-15ft:
				10-15ft: black, mc sand, trace fine gravel, well-graded, saturated, no odor	30% recovery
11					open air = 0.0ppm
					headspace = 0.2ppm
12					(10-15ft)
13					
14				15ft:	
15				borehole termination	
16					
17					
18					
19					
20					
21					
22					
23					

C&S COMPANIES
C&S Engineers, Inc.
499 Col Eileen Collins Blvd
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

BORING LOG

Boring No.	BH-04
Sheet 1 of:	1
Project No.:	AB2.001.002
Surface Elev.:	
Datum:	BH-04
Start Date:	4/24/23
Finish Date:	4/24/23
Inspector:	C. Del Fatti

Project Name:	1153 West Fayette Street Phase II ESA
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	Matrix Environmental

Groundwater	Depth	Date & Time
While Drilling:		
Before Casing Removal:		
After Casing Removal:		

Drill Rig:
Casing:
Sampler:
Hammer:
Rock Core:
Undist:
Other: start time = 1030

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse, m - medium, f - fine
a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%
S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
1				0-0.5ft: asphalt	0-5ft:
				0.5-2ft: historic fill material, ash, coal, trace brick, tar, black and red, no odor	100% recovery
2				2-8ft: light brown / light gray, fmc sand, some gravel and stone (fm), well-graded, moist, no odor	open air = 0.0ppm
					headspace = 0.7ppm (0-2ft)
3					headspace = 0.9ppm (2-5ft)
4					
5					5-10ft:
					50% recovery
6					open air = 0.0ppm
					headspace = 16.2ppm (8-10ft)
7					
8				8-10ft: black, fmc sand with ~~trace~~ some gravel (fmc), angular and smooth, well-graded, saturated, no odor	
9	S-2			9ft: groundwater interface	
10				10-12ft: black, fmc sand and gravel (fmc), white rock throughout, well-graded, saturated, no odor	10-15ft:
					50% recovery
11					headspace = 0.4ppm (10-12ft)
12				12-15ft: dark brown/black silty sand, trace organics (wood?), trace gravel (mc), poorly graded, moist, organic odor	headspace = 0.9ppm (12-15ft)
13					
14					
15				15ft: borehole termination	
16				TW-2 installed	
17					
18					
19					
20					
21					
22					
23					

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BORING LOG

Boring No.	BH-05
Sheet 1 of:	1
Project No.:	AB2.001.002
Surface Elev.:	
Datum:	BH-05
Start Date:	4/24/23
Finish Date:	4/24/23
Inspector:	C. Del Fatti

Project Name:	1153 West Fayette Street Phase II ESA
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	Matrix Environmental

Groundwater	Depth	Date & Time	Drill Rig:				
While Drilling:			**Casing:**		**Rock Core:**		**Undist:**
Before Casing Removal:			**Sampler:**		**Other:**	start time = 1100	
After Casing Removal:			**Hammer:**				

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION (c - coarse, m - medium, f - fine; a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%; S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey)	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
1				0-0.5ft: asphalt 0.5-5ft: historic fill material, brick, ash, coal, tar, cinder, black, red, beige, no odor	0-5ft: 30% recovery open air = 0.0ppm headspace = 0.5ppm (0-5ft)
2					
3					
4					
5					5-10ft: 60% recovery open air = 0.0ppm headspace = 0.9ppm (5-10ft)
6				6-8ft: crushed stone, gray/white, dry.	
7					
8				8-10ft: clay with trace gravel, angular and smobth, black, well-graded, wet	
9					
10				10ft: groundwater interface 10-15ft: dark gray/brown, clay, high plasticity, saturated/wet, poorly graded, petroleum odor observed (potentially organic odor based on PID reading), (peat and marl)	10-15ft: 60% recovery open air = 1.2ppm headspace = 1.5ppm (10-15ft)
11					
12					
13					
14					
15				15ft: borehole termination	
16					
17					
18					
19					
20					
21					
22					
23					

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BORING LOG

Boring No.	BH-06
Sheet 1 of:	1
Project No.:	AB2.001.002
Surface Elev.:	
Datum:	BH-06
Start Date:	4/24/23
Finish Date:	4/24/23
Inspector:	C. Del Fatti

Project Name:	1153 West Fayette Street Phase II ESA
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	Matrix Environmental

Groundwater	Depth	Date & Time
While Drilling:		
Before Casing Removal:		
After Casing Removal:		

Drill Rig: | **Casing:** | **Sampler:** | **Hammer:** | **Rock Core:** | **Undist:** | **Other:** start time = 1200

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse
m - medium
f - fine

MATERIAL DESCRIPTION

S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

a - and - 35-50%
s - some - 20-35%
l - little - 10-20%
t - trace - 0-10%

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
1				0-0.5ft: topsoil, black loam, trace organics	0-5ft:
				0.5-1.5ft: presumable rail tie, creosote soaked wood, strong creosote odor	~~open air~~ 60% recovery
2				1.5-~~10ft~~ 11ft: historic fill material, primarily coal and coal ash, black, creosote odor observed, trace brick	open air = 3.8 ppm
3					rail tie = 115.2 ppm
					headspace = 2.3 ppm (0-5ft)
4					
5					5-10ft:
					90% recovery
6					open air = 2.6 ppm
					headspace = 6.1 ppm (5-10ft)
7					
8					
9					
10					10-15ft:
					50% recovery
11				11ft: groundwater interface	open air = 28.6 ppm
				11-14ft: black, shiny, coarse sand and fine gravel, petroleum impacted, presumably oil, saturated, strong petroleum odor	headspace = 100.6 ppm (11-14ft)
12	S-3				headspace = 5.7 ppm (14-15ft)
13					
				14-15ft: brown, silty sand, clayey, poorly-graded, medium plasticity, moist, organic and slight petroleum odor (peat)	
14					
15				15ft: borehole termination	
16				TW-3 installed	
17					
18					
19					
20					
21					
22					
23					

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BORING LOG

Boring No.	BH-07
Sheet 1 of:	1
Project No.:	AB2.001.002
Surface Elev.:	
Datum:	n/a (inside)
Start Date:	4/24/23
Finish Date:	4/24/23
Inspector:	C. Del Fatti

Project Name:	1153 West Fayette Street Phase II ESA						
Location:	Syracuse, NY						
Client:	1153 Owner LLC						
Drilling Firm:	Matrix Environmental						
Groundwater	**Depth**	**Date & Time**	**Drill Rig:**				
While Drilling:			**Casing:**		**Rock Core:**	**Undist:**	
Before Casing Removal:			**Sampler:**		**Other:**	Start time = 1330	
After Casing Removal:			**Hammer:**				

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse, m - medium, f - fine
a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%
S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
1				0-8 ft: historic fill material, brick, coal, ash, tar, cinder, black, gray, red, creosote odor, moist	0-5 ft: 40% recovery open air = 0.0 ppm headspace = 5.1 ppm (0-5 ft)
2					
3					
4					
5	S-4				5-10 ft: 40% recovery open air = 6.1 ppm headspace = ~~45.2~~ 70.5 ppm (5-9 ft)
6					
7					
8				8-9 ft: black, coarse sand and fine gravel, petroleum impacted, shiny, presumably oil, petroleum odors	
9					
10				9-14 ft: dark brown, clayey sand, high plasticity, poorly graded, moist, slight petroleum odor (peat)	10-15 ft: 40% recovery open air = 0.0 ppm headspace = 6.7 ppm (9-15 ft)
11					
12					
13					
14				14 ft: groundwater interface	
15				14-15 ft: dark brown and white, clay, high plasticity, poorly graded saturated organic and slight petroleum odor (peat and marl)	
16				15 ft: borehole termination	
17				TW-4 installed	
18					
19					
20					
21					
22					
23					

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BORING LOG

Boring No.	BH-08
Sheet 1 of:	1
Project No.:	AB2.001.002
Surface Elev.:	
Datum:	n/a (inside)
Start Date:	4/24/23
Finish Date:	4/24/23
Inspector:	C. Del Fatti

Project Name:	1153 West Fayette Street Phase II ESA
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	Matrix Environmental

Groundwater	Depth	Date & Time	Drill Rig:				
While Drilling:			**Casing:**		**Rock Core:**		**Undist:**
Before Casing Removal:			**Sampler:**		**Other:**	Start time = 1345	
After Casing Removal:			**Hammer:**				

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION (c - coarse, m - medium, f - fine; a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%; S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey)	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
1	A			0-10ft - historic fill material, coal, ash, brick, cinder, and tar chunks of coal creosote odor, black, red, and beige, ~~no odor~~	0-5ft: 40% recovery open air = 0.0 ppm headspace = ~~10.0~~ ~~ppm~~ 42.1 ppm (0-5ft)
2					
3	S-S				
4					
5					5-10ft: 100% recovery open air = 0.0 ppm headspace = 10.0 ppm (5-10ft)
6					
7					
8					
9					
10				10ft: groundwater interface 10-15ft: dark brown/beige, clayey sand, high plasticity, wet, ~~no odor~~, poorly graded, organic odor (peat and marl)	10-15ft: 30% recovery open air = 0.0 ppm headspace = 1.2 ppm (10-15ft)
11					
12					
13					
14					
15				15ft: borehole termination	
16					
17					
18					
19					
20					
21					
22					
23					

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BORING LOG

Boring No.	BH-09
Sheet 1 of:	1
Project No.:	AB2.001.002
Surface Elev.:	
Datum:	BH-09
Start Date:	4/24/23
Finish Date:	4/24/23
Inspector:	C. Del Fatti

Project Name:	1153 West Fayette Street Phase II ESA
Location:	Syracuse, NY
Client:	1153 Owner LLC
Drilling Firm:	Matrix Environmental

Groundwater	Depth	Date & Time
While Drilling:		
Before Casing Removal:		
After Casing Removal:		

Drill Rig:
Casing: Rock Core: Undist:
Sampler:
Hammer:
Other: Start time = 1430

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse, m - medium, f - fine
a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%
S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
1				0-1ft: asphalt	0-5ft:
2				1-8ft: historic fill material, coal, ash, tar, brick, cinder, black, red, and brown, no odor	70% recovery open air = 0.0ppm headspace = 1.4ppm (0-5ft)
3					
4					
5					5-10ft:
6				6ft: calcium deposit? hard white substance	50% recovery open air = 0.0ppm headspace = 1.6ppm (5-8ft) headspace = 2.0ppm (8-13ft)
7					
8				8-9ft: black, fmc sand, clayey, medium plasticity, wet, poorly graded, no odor	
9				9ft: groundwater interface	
10				9-13ft: gray, clay, high plasticity, saturated, no odor (marl?)	10-15ft:
11					100% recovery open air = 0.0ppm headspace = 0.7ppm (13-15ft)
12					
13				13-15ft: brown clay and fine silty sand, med plasticity, poorly graded, no odor, moist, trace organics (wood pieces?) (peat)	
14					
15				15ft: borehole termination	
16					
17					
18					
19					
20					
21					
22					
23					

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BORING LOG

Boring No.	BH-10
Sheet 1 of:	1
Project No.:	AB2.001.002
Surface Elev.:	
Datum:	BH-10
Start Date:	4/24/23
Finish Date:	4/24/23
Inspector:	C. Del Fatti

Project Name: 1153 West Fayette Street Phase II ESA
Location: Syracuse, NY
Client: 1153 Owner LLC
Drilling Firm: Matrix Environmental

Groundwater	Depth	Date & Time
While Drilling:		
Before Casing Removal:		
After Casing Removal:		

Drill Rig:
Casing: **Rock Core:** **Undist:**
Sampler:
Other: Start time = 1500
Hammer:

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse
m - medium
f - fine

MATERIAL DESCRIPTION
S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

a - and - 35-50%
s - some - 20-35%
l - little - 10-20%
t - trace - 0-10%

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
1				0-1ft: asphalt	0-5ft:
2				1-9ft: historic fill material coal, ash, tar, brick, cinder, black, brown, trace red, no odor, moist	70% recovery
3					open air = 0.0ppm
4					headspace = 0.7ppm (0-5ft)
5	S-6				5-10ft:
6					50% recovery
7					open air = 0.8ppm
8					headspace = 1.9ppm (5-9ft)
9				9-11ft: brown fine sand and clay, med plasticity, saturated no odor	
10				10ft: groundwater interface	10-15ft:
11				11-14ft: coarse sand and fine gravel, angular and smooth, black, saturated, no odor	30% recovery
12					open air = 3.0ppm
13					headspace = 1.9ppm (9-11ft)
14				14-15ft: dark brown, clayey sand, high plasticity, moist, no odor, poorly graded, higher PID reading (3.0 ppm) (peat)	headspace = 1.8ppm (11-14ft)
15				15ft: borehole termination	headspace = 1.5ppm (14-15ft)
16					
17					
18					
19					
20					
21					
22					
23					

Appendix B
Well Sampling Logs

C&S Engineers, Inc.
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Syracuse, NY 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name: 1153 Owner LLC
Site Name: 1153 West Fayette Street Phase II ESA
Project No.: AB2.001.002
Field Staff: C. Del Fatti, N. Coulombe

WELL DATA

Date		4/24/23						
Water meter utilized and date last calibrated								
Well Number		TW-02	(BH-04)					
Diameter (inches)		1						
Total Sounded Depth (feet)		15.19						
Static Water Level (feet)		7.50						
H_2O Column (feet)		7.69						
Pump Intake (feet)		—						
Well Volume (gallons)		0.31						
Amount to Evacuate (gallons)		3 gal						
Amount Evacuated (gallons)		3 gal						

FIELD READINGS

Date	Stabilization Criteria	4/24/23						
Time		1453						
Volume Extracted	gallons	3 gal						
Static Water Level (feet)	NA	7.50						
pH (Std. Units)	+/-0.1	6.91						
Conductivity (mS/cm)	3%	1.26						
Turbidity (NTU)	10%	1000+						
D.O. (mg/L)	10%	3.37						
Temperature (°C) (°F)	3%	11.58						
ORP[3](mV)	+/-10 mv	-41						
Appearance		VT						
Free Product (Yes/No)		NO						
Odor		none						
Comments		HEAD SPACE 2.3ppm		SAMPLED @ 1453 SAMPLE ID = TW-02				

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

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Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name: 1153 Owner LLC
Site Name: 1153 West Fayette Street Phase II ESA
Project No.: AB2.001.002
Field Staff: C. Del Fatti, N. Coulombe

WELL DATA

Date		4/24/23							
Water meter utilized and date last calibrated									
Well Number		TW-03	(BH-06)						
Diameter (inches)		1							
Total Sounded Depth (feet)		15.18							
Static Water Level (feet)		11.88							
H_2O Column (feet)		3.3							
Pump Intake (feet)		—							
Well Volume (gallons)		0.13							
Amount to Evacuate (gallons)		1.5 gal							
Amount Evacuated (gallons)		1.5							

FIELD READINGS

Date	Stabilization Criteria	4/24/23							
Time		1605							
Volume Extracted	gallons	1.5							
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1								
Conductivity (mS/cm)	3%		no readings taken b/c petroleum sheen found. Didn't want to damage equipment.						
Turbidity (NTU)	10%								
D.O. (mg/L)	10%								
Temperature (°C) (°F)	3%								
ORP[3](mV)	+/-10 mv								
Appearance		VT							
Free Product (Yes/No)		YES							
Odor		YES							
Comments		headspace = 47.6 ppm SAMPLED @ 1605 SAMPLE ID = TW-03							

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

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Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name: 1153 Owner LLC
Site Name: 1153 West Fayette Street Phase II ESA
Project No.: AB2.001.002
Field Staff: C.Del Fatti, N. Coulombe

WELL DATA

Date		4/24/23							
Water meter utilized and date last calibrated									
Well Number		TW-04	(BH-07)						
Diameter (inches)		1							
Total Sounded Depth (feet)		15.20							
Static Water Level (feet)		7.95							
H_2O Column (feet)		7.25							
Pump Intake (feet)		—							
Well Volume (gallons)		0.3 gal							
Amount to Evacuate (gallons)		3 gal							
Amount Evacuated (gallons)		1 gal	– ran dry						

FIELD READINGS

Date	Stabilization Criteria	4/24/23							
Time		1700							
Volume Extracted	gallons	1 gal	– well went dry						
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1								
Conductivity (mS/cm)	3%		no readings due to limited water						
Turbidity (NTU)	10%								
D.O. (mg/L)	10%								
Temperature (°C) (°F)	3%								
ORP[3](mV)	+/-10 mv								
Appearance		VT							
Free Product (Yes/No)		no							
Odor		none							
Comments		headspace = 9.8 ppm	SAMPLED @ 1700 SAMPLE ID = TW-04						

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

Appendix C
Laboratory Analytical Reports

ANALYTICAL REPORT

Lab Number:	L2322083
Client:	C&S Companies 499 Col. Eileen Collins Blvd. Syracuse, NY 13212
ATTN:	Claire Del Fatti
Phone:	(315) 703-4233
Project Name:	1153 WEST FAYETTE ST., PHASE I
Project Number:	AB2.001.002
Report Date:	05/01/23

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: 1153 WEST FAYETTE ST., PHASE I
Project Number: AB2.001.002

Lab Number: L2322083
Report Date: 05/01/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2322083-01	TW-01	WATER	SYRACUSE, NY	04/24/23 13:28	04/24/23
L2322083-02	TW-02	WATER	SYRACUSE, NY	04/24/23 14:53	04/24/23
L2322083-03	TW-03	WATER	SYRACUSE, NY	04/24/23 16:05	04/24/23
L2322083-04	TW-04	WATER	SYRACUSE, NY	04/24/23 17:00	04/24/23

Project Name:	1153 WEST FAYETTE ST., PHASE I	**Lab Number:**	L2322083
Project Number:	AB2.001.002	**Report Date:**	05/01/23

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:	1153 WEST FAYETTE ST., PHASE I	**Lab Number:**	L2322083
Project Number:	AB2.001.002	**Report Date:**	05/01/23

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

L2322083-04: The sample was received above the appropriate pH for the Total Metals analysis. The laboratory added additional HNO3 to a pH <2.

Volatile Organics

L2322083-01: The pH was greater than two; however, the sample was analyzed within the method required holding time.

L2322083-03D: The sample has elevated detection limits due to the dilution required by the sample matrix (sheen).

Total Metals

L2322083-04: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

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: 05/01/23

ORGANICS

VOLATILES

Project Name: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-02
Client ID: TW-02
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 14:53
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/27/23 02:51
Analyst: MJV

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

Project Name: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-02 Date Collected: 04/24/23 14:53

Client ID: TW-02 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	110		70-130

Project Name: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-03 D
Client ID: TW-03
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 16:05
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/27/23 03:34
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	2.8	4
1,1-Dichloroethane	ND		ug/l	10	2.8	4
Chloroform	ND		ug/l	10	2.8	4
Carbon tetrachloride	ND		ug/l	2.0	0.54	4
1,2-Dichloropropane	ND		ug/l	4.0	0.55	4
Dibromochloromethane	ND		ug/l	2.0	0.60	4
1,1,2-Trichloroethane	ND		ug/l	6.0	2.0	4
Tetrachloroethene	ND		ug/l	2.0	0.72	4
Chlorobenzene	ND		ug/l	10	2.8	4
Trichlorofluoromethane	ND		ug/l	10	2.8	4
1,2-Dichloroethane	ND		ug/l	2.0	0.53	4
1,1,1-Trichloroethane	ND		ug/l	10	2.8	4
Bromodichloromethane	ND		ug/l	2.0	0.77	4
trans-1,3-Dichloropropene	ND		ug/l	2.0	0.66	4
cis-1,3-Dichloropropene	ND		ug/l	2.0	0.58	4
Bromoform	ND		ug/l	8.0	2.6	4
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.67	4
Benzene	ND		ug/l	2.0	0.64	4
Toluene	ND		ug/l	10	2.8	4
Ethylbenzene	ND		ug/l	10	2.8	4
Chloromethane	ND		ug/l	10	2.8	4
Bromomethane	ND		ug/l	10	2.8	4
Vinyl chloride	ND		ug/l	4.0	0.28	4
Chloroethane	ND		ug/l	10	2.8	4
1,1-Dichloroethene	ND		ug/l	2.0	0.68	4
trans-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Trichloroethene	ND		ug/l	2.0	0.70	4
1,2-Dichlorobenzene	ND		ug/l	10	2.8	4

Project Name: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-03 D
Client ID: TW-03
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 16:05
Date Received: 04/24/23
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	10	2.8	4
1,4-Dichlorobenzene	ND		ug/l	10	2.8	4
Methyl tert butyl ether	ND		ug/l	10	2.8	4
p/m-Xylene	ND		ug/l	10	2.8	4
o-Xylene	ND		ug/l	10	2.8	4
cis-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Styrene	ND		ug/l	10	2.8	4
Dichlorodifluoromethane	ND		ug/l	20	4.0	4
Acetone	ND		ug/l	20	5.8	4
Carbon disulfide	ND		ug/l	20	4.0	4
2-Butanone	ND		ug/l	20	7.8	4
4-Methyl-2-pentanone	ND		ug/l	20	4.0	4
2-Hexanone	ND		ug/l	20	4.0	4
1,2-Dibromoethane	ND		ug/l	8.0	2.6	4
n-Butylbenzene	ND		ug/l	10	2.8	4
sec-Butylbenzene	ND		ug/l	10	2.8	4
tert-Butylbenzene	ND		ug/l	10	2.8	4
1,2-Dibromo-3-chloropropane	ND		ug/l	10	2.8	4
Isopropylbenzene	ND		ug/l	10	2.8	4
p-Isopropyltoluene	ND		ug/l	10	2.8	4
Naphthalene	ND		ug/l	10	2.8	4
n-Propylbenzene	ND		ug/l	10	2.8	4
1,2,4-Trichlorobenzene	ND		ug/l	10	2.8	4
1,3,5-Trimethylbenzene	ND		ug/l	10	2.8	4
1,2,4-Trimethylbenzene	ND		ug/l	10	2.8	4
Methyl Acetate	ND		ug/l	8.0	0.94	4
Cyclohexane	ND		ug/l	40	1.1	4
Freon-113	ND		ug/l	10	2.8	4
Methyl cyclohexane	ND		ug/l	40	1.6	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	115		70-130

Project Name: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-04
Client ID: TW-04
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 17:00
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/27/23 03:13
Analyst: MJV

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

Project Name: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-04 Date Collected: 04/24/23 17:00

Client ID: TW-04 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	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	113		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	116		70-130

Project Name: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/26/23 19:59
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1771889-5					
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: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/26/23 19:59
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1771889-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/26/23 19:59
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1771889-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	114		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1153 WEST FAYETTE ST., PHASE I

Project Number: AB2.001.002

Lab Number: L2322083

Report Date: 05/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1771889-3 WG1771889-4								
Methylene chloride	95		100		70-130	5		20
1,1-Dichloroethane	97		100		70-130	3		20
Chloroform	97		100		70-130	3		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	94		99		70-130	5		20
Dibromochloromethane	92		95		63-130	3		20
1,1,2-Trichloroethane	93		94		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	95		98		75-130	3		20
Trichlorofluoromethane	110		120		62-150	9		20
1,2-Dichloroethane	96		100		70-130	4		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	92		98		67-130	6		20
trans-1,3-Dichloropropene	89		91		70-130	2		20
cis-1,3-Dichloropropene	88		91		70-130	3		20
Bromoform	86		89		54-136	3		20
1,1,2,2-Tetrachloroethane	86		90		67-130	5		20
Benzene	96		98		70-130	2		20
Toluene	95		98		70-130	3		20
Ethylbenzene	94		98		70-130	4		20
Chloromethane	100		100		64-130	0		20
Bromomethane	76		88		39-139	15		20
Vinyl chloride	97		99		55-140	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1153 WEST FAYETTE ST., PHASE I

Project Number: AB2.001.002

Lab Number: L2322083

Report Date: 05/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1771889-3 WG1771889-4								
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	99		100		70-130	1		20
1,2-Dichlorobenzene	93		96		70-130	3		20
1,3-Dichlorobenzene	97		99		70-130	2		20
1,4-Dichlorobenzene	95		96		70-130	1		20
Methyl tert butyl ether	89		98		63-130	10		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	96		100		70-130	4		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	96		99		36-147	3		20
Acetone	120		110		58-148	9		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	96		100		63-138	4		20
4-Methyl-2-pentanone	77		86		59-130	11		20
2-Hexanone	80		88		57-130	10		20
1,2-Dibromoethane	93		96		70-130	3		20
n-Butylbenzene	92		92		53-136	0		20
sec-Butylbenzene	90		92		70-130	2		20
tert-Butylbenzene	92		94		70-130	2		20
1,2-Dibromo-3-chloropropane	83		89		41-144	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1153 WEST FAYETTE ST., PHASE I

Project Number: AB2.001.002

Lab Number: L2322083

Report Date: 05/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1771889-3 WG1771889-4								
Isopropylbenzene	90		94		70-130	4		20
p-Isopropyltoluene	86		89		70-130	3		20
Naphthalene	74		79		70-130	7		20
n-Propylbenzene	92		95		69-130	3		20
1,2,4-Trichlorobenzene	86		90		70-130	5		20
1,3,5-Trimethylbenzene	95		98		64-130	3		20
1,2,4-Trimethylbenzene	88		90		70-130	2		20
Methyl Acetate	92		96		70-130	4		20
Cyclohexane	96		100		70-130	4		20
Freon-113	100		110		70-130	10		20
Methyl cyclohexane	90		92		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	103		105		70-130

SEMIVOLATILES

Project Name: 1153 WEST FAYETTE ST., PHASE I
Lab Number: L2322083
Project Number: AB2.001.002
Report Date: 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-02
Client ID: TW-02
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 14:53
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/30/23 17:58
Analyst: MG

Extraction Method: EPA 3510C
Extraction Date: 04/28/23 23:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-02 Date Collected: 04/24/23 14:53

Client ID: TW-02 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	69		41-149

Project Name: 1153 WEST FAYETTE ST., PHASE I
Lab Number: L2322083
Project Number: AB2.001.002
Report Date: 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-02
Client ID: TW-02
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 14:53
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/30/23 14:05
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 04/28/23 23:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.08	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.04	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.04	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.05	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.03	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.06	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.03	J	ug/l	0.10	0.01	1
Pyrene	0.07	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-02 Date Collected: 04/24/23 14:53

Client ID: TW-02 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	76		41-149

Project Name: 1153 WEST FAYETTE ST., PHASE I
Lab Number: L2322083
Project Number: AB2.001.002
Report Date: 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-03
Client ID: TW-03
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 16:05
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/30/23 18:24
Analyst: MG

Extraction Method: EPA 3510C
Extraction Date: 04/28/23 23:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-03 Date Collected: 04/24/23 16:05

Client ID: TW-03 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	115		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	109		10-120
4-Terphenyl-d14	67		41-149

Project Name: 1153 WEST FAYETTE ST., PHASE I
Lab Number: L2322083
Project Number: AB2.001.002
Report Date: 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-03
Client ID: TW-03
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 16:05
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/30/23 14:21
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 04/28/23 23:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	4.1		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	3.9		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	1.5		ug/l	0.10	0.02	1
Benzo(a)pyrene	2.1		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	2.4		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.95		ug/l	0.10	0.01	1
Chrysene	1.6		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	2.3		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.29		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	2.0		ug/l	0.10	0.01	1
Pyrene	4.9		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-03 Date Collected: 04/24/23 16:05

Client ID: TW-03 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	**143**	Q	23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	66		41-149

Project Name: 1153 WEST FAYETTE ST., PHASE I
Lab Number: L2322083
Project Number: AB2.001.002
Report Date: 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-04
Client ID: TW-04
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 17:00
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/30/23 18:50
Analyst: MG

Extraction Method: EPA 3510C
Extraction Date: 04/28/23 23:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-04 Date Collected: 04/24/23 17:00

Client ID: TW-04 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	40		10-120
4-Terphenyl-d14	49		41-149

Project Name: 1153 WEST FAYETTE ST., PHASE I
Lab Number: L2322083
Project Number: AB2.001.002
Report Date: 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-04
Client ID: TW-04
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 17:00
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/30/23 14:38
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 04/28/23 23:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.16		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.08	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.06	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.08	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.12		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Chrysene	0.07	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.09	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.13		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.08	J	ug/l	0.10	0.01	1
Pyrene	0.13		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.13		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-04 Date Collected: 04/24/23 17:00

Client ID: TW-04 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	54		10-120
4-Terphenyl-d14	53		41-149

Project Name: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/30/23 11:09
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/28/23 23:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1772642-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

Project Name: 1153 WEST FAYETTE ST., PHASE I
Project Number: AB2.001.002
Lab Number: L2322083
Report Date: 05/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/30/23 11:09
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/28/23 23:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1772642-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	41		10-120
4-Terphenyl-d14	61		41-149

Project Name: 1153 WEST FAYETTE ST., PHASE I
Project Number: AB2.001.002
Lab Number: L2322083
Report Date: 05/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 04/30/23 08:51
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 04/28/23 23:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG1772643-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 1153 WEST FAYETTE ST., PHASE I
Project Number: AB2.001.002
Lab Number: L2322083
Report Date: 05/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 04/30/23 08:51
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 04/28/23 23:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG1772643-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	85		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1153 WEST FAYETTE ST., PHASE I

Project Number: AB2.001.002

Lab Number: L2322083

Report Date: 05/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1772642-2 WG1772642-3								
Bis(2-chloroethyl)ether	60		54		40-140	11		30
3,3'-Dichlorobenzidine	48		47		40-140	2		30
2,4-Dinitrotoluene	74		65		48-143	13		30
2,6-Dinitrotoluene	67		61		40-140	9		30
4-Chlorophenyl phenyl ether	58		49		40-140	17		30
4-Bromophenyl phenyl ether	55		47		40-140	16		30
Bis(2-chloroisopropyl)ether	66		59		40-140	11		30
Bis(2-chloroethoxy)methane	63		56		40-140	12		30
Hexachlorocyclopentadiene	52		50		40-140	4		30
Isophorone	62		55		40-140	12		30
Nitrobenzene	67		60		40-140	11		30
NDPA/DPA	56		49		40-140	13		30
n-Nitrosodi-n-propylamine	62		55		29-132	12		30
Bis(2-ethylhexyl)phthalate	74		69		40-140	7		30
Butyl benzyl phthalate	98		89		40-140	10		30
Di-n-butylphthalate	75		66		40-140	13		30
Di-n-octylphthalate	79		72		40-140	9		30
Diethyl phthalate	68		57		40-140	18		30
Dimethyl phthalate	66		58		40-140	13		30
Biphenyl	55		49		40-140	12		30
4-Chloroaniline	55		47		40-140	16		30
2-Nitroaniline	82		70		52-143	16		30
3-Nitroaniline	61		57		25-145	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1153 WEST FAYETTE ST., PHASE I

Project Number: AB2.001.002

Lab Number: L2322083

Report Date: 05/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1772642-2 WG1772642-3								
4-Nitroaniline	64		58		51-143	10		30
Dibenzofuran	59		51		40-140	15		30
1,2,4,5-Tetrachlorobenzene	51		45		2-134	13		30
Acetophenone	59		53		39-129	11		30
2,4,6-Trichlorophenol	70		61		30-130	14		30
p-Chloro-m-cresol	69		60		23-97	14		30
2-Chlorophenol	64		56		27-123	13		30
2,4-Dichlorophenol	66		57		30-130	15		30
2,4-Dimethylphenol	**28**	Q	**25**	Q	30-130	11		30
2-Nitrophenol	93		82		30-130	13		30
4-Nitrophenol	64		53		10-80	19		30
2,4-Dinitrophenol	77		74		20-130	4		30
4,6-Dinitro-o-cresol	96		87		20-164	10		30
Phenol	45		40		12-110	12		30
2-Methylphenol	52		48		30-130	8		30
3-Methylphenol/4-Methylphenol	63		57		30-130	10		30
2,4,5-Trichlorophenol	69		61		30-130	12		30
Carbazole	63		56		55-144	12		30
Atrazine	89		77		40-140	14		30
Benzaldehyde	61		57		40-140	7		30
Caprolactam	42		35		10-130	18		30
2,3,4,6-Tetrachlorophenol	68		63		40-140	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1153 WEST FAYETTE ST., PHASE I

Project Number: AB2.001.002

Lab Number: L2322083

Report Date: 05/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1772642-2 WG1772642-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	52		48		21-120
Phenol-d6	44		40		10-120
Nitrobenzene-d5	66		61		23-120
2-Fluorobiphenyl	56		50		15-120
2,4,6-Tribromophenol	70		56		10-120
4-Terphenyl-d14	57		51		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1153 WEST FAYETTE ST., PHASE I

Project Number: AB2.001.002

Lab Number: L2322083

Report Date: 05/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG1772643-2 WG1772643-3								
Acenaphthene	60		51		40-140	16		40
2-Chloronaphthalene	59		51		40-140	15		40
Fluoranthene	63		54		40-140	15		40
Hexachlorobutadiene	54		47		40-140	14		40
Naphthalene	55		49		40-140	12		40
Benzo(a)anthracene	64		54		40-140	17		40
Benzo(a)pyrene	67		56		40-140	18		40
Benzo(b)fluoranthene	68		55		40-140	21		40
Benzo(k)fluoranthene	69		58		40-140	17		40
Chrysene	62		53		40-140	16		40
Acenaphthylene	61		53		40-140	14		40
Anthracene	62		53		40-140	16		40
Benzo(ghi)perylene	62		55		40-140	12		40
Fluorene	62		54		40-140	14		40
Phenanthrene	58		50		40-140	15		40
Dibenzo(a,h)anthracene	64		56		40-140	13		40
Indeno(1,2,3-cd)pyrene	58		49		40-140	17		40
Pyrene	62		53		40-140	16		40
2-Methylnaphthalene	58		52		40-140	11		40
Pentachlorophenol	71		66		40-140	7		40
Hexachlorobenzene	63		54		40-140	15		40
Hexachloroethane	57		52		40-140	9		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1153 WEST FAYETTE ST., PHASE I

Project Number: AB2.001.002

Lab Number: L2322083

Report Date: 05/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG1772643-2 WG1772643-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		47		21-120
Phenol-d6	46		41		10-120
Nitrobenzene-d5	68		61		23-120
2-Fluorobiphenyl	57		50		15-120
2,4,6-Tribromophenol	76		69		10-120
4-Terphenyl-d14	60		53		41-149

METALS

Project Name: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-02 Date Collected: 04/24/23 14:53

Client ID: TW-02 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4.55		mg/l	0.0100	0.00327	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Antimony, Total	0.00254	J	mg/l	0.00400	0.00042	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00888		mg/l	0.00050	0.00016	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Barium, Total	0.1765		mg/l	0.00050	0.00017	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Beryllium, Total	0.00034	J	mg/l	0.00050	0.00010	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Cadmium, Total	0.00053		mg/l	0.00020	0.00005	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Calcium, Total	181.		mg/l	0.100	0.0394	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Chromium, Total	0.01925		mg/l	0.00100	0.00017	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00554		mg/l	0.00050	0.00016	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Copper, Total	0.1210		mg/l	0.00100	0.00038	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Iron, Total	36.8		mg/l	0.0500	0.0191	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Lead, Total	0.3095		mg/l	0.00100	0.00034	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Magnesium, Total	13.1		mg/l	0.0700	0.0242	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Manganese, Total	0.5129		mg/l	0.00100	0.00044	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Mercury, Total	0.00705		mg/l	0.00020	0.00009	1	04/26/23 14:17	04/28/23 18:51	EPA 7470A	1,7470A	DMB
Nickel, Total	0.03085		mg/l	0.00200	0.00055	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Potassium, Total	7.67		mg/l	0.100	0.0309	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Selenium, Total	0.00238	J	mg/l	0.00500	0.00173	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Silver, Total	0.00117		mg/l	0.00040	0.00016	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Sodium, Total	90.2		mg/l	0.100	0.0293	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Vanadium, Total	0.02960		mg/l	0.00500	0.00157	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB
Zinc, Total	0.5219		mg/l	0.01000	0.00341	1	04/26/23 13:00	04/26/23 21:09	EPA 3005A	1,6020B	NTB

Project Name: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-03 Date Collected: 04/24/23 16:05

Client ID: TW-03 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	15.3		mg/l	0.0100	0.00327	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Antimony, Total	0.00552		mg/l	0.00400	0.00042	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.06840		mg/l	0.00050	0.00016	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Barium, Total	0.3052		mg/l	0.00050	0.00017	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Beryllium, Total	0.00587		mg/l	0.00050	0.00010	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Cadmium, Total	0.00218		mg/l	0.00020	0.00005	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Calcium, Total	208.		mg/l	0.100	0.0394	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Chromium, Total	0.05426		mg/l	0.00100	0.00017	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.03517		mg/l	0.00050	0.00016	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Copper, Total	0.1268		mg/l	0.00100	0.00038	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Iron, Total	226.		mg/l	0.0500	0.0191	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Lead, Total	2.688		mg/l	0.00100	0.00034	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Magnesium, Total	30.7		mg/l	0.0700	0.0242	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Manganese, Total	1.790		mg/l	0.00100	0.00044	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Mercury, Total	0.00014	J	mg/l	0.00020	0.00009	1	04/26/23 14:17	04/28/23 18:54	EPA 7470A	1,7470A	DMB
Nickel, Total	0.1028		mg/l	0.00200	0.00055	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Potassium, Total	5.80		mg/l	0.100	0.0309	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Selenium, Total	0.0246		mg/l	0.00500	0.00173	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Silver, Total	0.00056		mg/l	0.00040	0.00016	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Sodium, Total	44.6		mg/l	0.100	0.0293	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Thallium, Total	0.00025	J	mg/l	0.00100	0.00014	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Vanadium, Total	0.1783		mg/l	0.00500	0.00157	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB
Zinc, Total	3.527		mg/l	0.01000	0.00341	1	04/26/23 13:00	04/26/23 21:14	EPA 3005A	1,6020B	NTB

Project Name: 1153 WEST FAYETTE ST., PHASE I
Lab Number: L2322083
Project Number: AB2.001.002
Report Date: 05/01/23

SAMPLE RESULTS

Lab ID: L2322083-04
Client ID: TW-04
Sample Location: SYRACUSE, NY
Date Collected: 04/24/23 17:00
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6.99		mg/l	0.0500	0.0164	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Antimony, Total	0.02523		mg/l	0.02000	0.00214	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.01809		mg/l	0.00250	0.00082	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Barium, Total	0.1517		mg/l	0.00250	0.00086	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Beryllium, Total	0.00130	J	mg/l	0.00250	0.00053	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Cadmium, Total	0.00536		mg/l	0.00100	0.00029	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Calcium, Total	1240		mg/l	0.500	0.197	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Chromium, Total	0.06925		mg/l	0.00500	0.00089	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.01506		mg/l	0.00250	0.00081	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Copper, Total	0.02418		mg/l	0.00500	0.00192	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Iron, Total	24.1		mg/l	0.250	0.0955	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Lead, Total	0.2043		mg/l	0.00500	0.00171	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Magnesium, Total	73.9		mg/l	0.350	0.121	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Manganese, Total	2.851		mg/l	0.00500	0.00220	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Mercury, Total	0.00019	J	mg/l	0.00020	0.00009	1	04/26/23 14:17	04/28/23 18:57	EPA 7470A	1,7470A	DMB
Nickel, Total	0.04068		mg/l	0.01000	0.00278	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Potassium, Total	8.00		mg/l	0.500	0.154	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.0250	0.00865	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00200	0.00081	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Sodium, Total	277.		mg/l	0.500	0.146	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00500	0.00071	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Vanadium, Total	0.01891	J	mg/l	0.02500	0.00785	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB
Zinc, Total	0.8569		mg/l	0.05000	0.01705	5	04/26/23 13:00	04/26/23 21:19	EPA 3005A	1,6020B	NTB

Project Name: 1153 WEST FAYETTE ST., PHASE I **Lab Number:** L2322083

Project Number: AB2.001.002 **Report Date:** 05/01/23

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): 01-04 Batch: WG1771383-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Barium, Total	ND		mg/l	0.00050	0.00017	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Calcium, Total	ND		mg/l	0.100	0.0394	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Chromium, Total	ND		mg/l	0.00100	0.00017	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Iron, Total	ND		mg/l	0.0500	0.0191	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Manganese, Total	ND		mg/l	0.00100	0.00044	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Potassium, Total	ND		mg/l	0.100	0.0309	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Sodium, Total	ND		mg/l	0.100	0.0293	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/26/23 13:00	04/26/23 19:26	1,6020B	NTB

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1771389-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/26/23 14:17	04/28/23 18:08	1,7470A	DMB

Project Name: 1153 WEST FAYETTE ST., PHASE I
Project Number: AB2.001.002
Lab Number: L2322083
Report Date: 05/01/23

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1153 WEST FAYETTE ST., PHASE I

Project Number: AB2.001.002

Lab Number: L2322083

Report Date: 05/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1771383-2								
Aluminum, Total	102		-		80-120	-		
Antimony, Total	89		-		80-120	-		
Arsenic, Total	104		-		80-120	-		
Barium, Total	102		-		80-120	-		
Beryllium, Total	103		-		80-120	-		
Cadmium, Total	107		-		80-120	-		
Calcium, Total	104		-		80-120	-		
Chromium, Total	102		-		80-120	-		
Cobalt, Total	104		-		80-120	-		
Copper, Total	106		-		80-120	-		
Iron, Total	104		-		80-120	-		
Lead, Total	102		-		80-120	-		
Magnesium, Total	100		-		80-120	-		
Manganese, Total	104		-		80-120	-		
Nickel, Total	102		-		80-120	-		
Potassium, Total	108		-		80-120	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	106		-		80-120	-		
Sodium, Total	118		-		80-120	-		
Thallium, Total	103		-		80-120	-		
Vanadium, Total	103		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1153 WEST FAYETTE ST., PHASE I

Project Number: AB2.001.002

Lab Number: L2322083

Report Date: 05/01/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1771383-2					
Zinc, Total	101	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1771389-2					
Mercury, Total	112	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 1153 WEST FAYETTE ST., PHASE I
Project Number: AB2.001.002

Lab Number: L2322083
Report Date: 05/01/23

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): 01-04 QC Batch ID: WG1771383-3 QC Sample: L2321177-03 Client ID: MS Sample												
Aluminum, Total	0.151	2	2.07	96		-	-		75-125	-		20
Antimony, Total	0.0005J	0.5	0.4795	96		-	-		75-125	-		20
Arsenic, Total	0.0015	0.12	0.1242	102		-	-		75-125	-		20
Barium, Total	0.0104	2	1.965	98		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.05036	101		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.05449	103		-	-		75-125	-		20
Calcium, Total	26.6	10	36.3	97		-	-		75-125	-		20
Chromium, Total	0.0010J	0.2	0.1929	96		-	-		75-125	-		20
Cobalt, Total	0.0002J	0.5	0.4914	98		-	-		75-125	-		20
Copper, Total	0.0012	0.25	0.2547	101		-	-		75-125	-		20
Iron, Total	0.188	1	1.19	100		-	-		75-125	-		20
Lead, Total	ND	0.53	0.5321	100		-	-		75-125	-		20
Magnesium, Total	3.04	10	12.5	95		-	-		75-125	-		20
Manganese, Total	0.0469	0.5	0.5381	98		-	-		75-125	-		20
Nickel, Total	0.0012J	0.5	0.4913	98		-	-		75-125	-		20
Potassium, Total	2.30	10	12.4	101		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.127	106		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05153	103		-	-		75-125	-		20
Sodium, Total	82.9	10	91.2	83		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.1186	99		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.4806	96		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 1153 WEST FAYETTE ST., PHASE I
Project Number: AB2.001.002

Lab Number: L2322083
Report Date: 05/01/23

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): 01-04 QC Batch ID: WG1771383-3 QC Sample: L2321177-03 Client ID: MS Sample									
Zinc, Total	0.0043J	0.5	0.4927	98	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1771389-3 QC Sample: L2322042-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00541	108	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 1153 WEST FAYETTE ST., PHASE I

Project Number: AB2.001.002

Lab Number: L2322083

Report Date: 05/01/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1771389-4 QC Sample: L2322042-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Project Name: 1153 WEST FAYETTE ST., PHASE I
Project Number: AB2.001.002

Lab Number: L2322083
Report Date: 05/01/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2322083-01A	Vial HCl preserved	B	NA		5.6	Y	Absent		NYTCL-8260(14)
L2322083-01B	Vial HCl preserved	B	NA		5.6	Y	Absent		NYTCL-8260(14)
L2322083-01C	Vial HCl preserved	B	NA		5.6	Y	Absent		NYTCL-8260(14)
L2322083-01D	Plastic 250ml HNO3 preserved	B	<2	<2	5.6	Y	Absent		TL-6020T(180),BA-6020T(180),FE-6020T(180),SE-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AL-6020T(180),MG-6020T(180),HG-T(28),AG-6020T(180),CD-6020T(180),CO-6020T(180)
L2322083-01E	Amber 250ml unpreserved	B	7	7	5.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2322083-01F	Amber 250ml unpreserved	B	7	7	5.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2322083-02A	Vial HCl preserved	B	NA		5.6	Y	Absent		NYTCL-8260(14)
L2322083-02B	Vial HCl preserved	B	NA		5.6	Y	Absent		NYTCL-8260(14)
L2322083-02C	Vial HCl preserved	B	NA		5.6	Y	Absent		NYTCL-8260(14)
L2322083-02D	Plastic 250ml HNO3 preserved	B	<2	<2	5.6	Y	Absent		BA-6020T(180),TL-6020T(180),SE-6020T(180),FE-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),K-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AL-6020T(180),MG-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),CO-6020T(180)
L2322083-02E	Amber 250ml unpreserved	B	7	7	5.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2322083-02F	Amber 250ml unpreserved	B	7	7	5.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2322083-03A	Vial HCl preserved	B	NA		5.6	Y	Absent		NYTCL-8260(14)
L2322083-03B	Vial HCl preserved	B	NA		5.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 1153 WEST FAYETTE ST., PHASE I
Project Number: AB2.001.002

Lab Number: L2322083
Report Date: 05/01/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2322083-03C	Vial HCl preserved	B	NA		5.6	Y	Absent		NYTCL-8260(14)
L2322083-03D	Plastic 250ml HNO3 preserved	B	<2	<2	5.6	Y	Absent		TL-6020T(180),BA-6020T(180),FE-6020T(180),SE-6020T(180),CR-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),CD-6020T(180),AL-6020T(180),HG-T(28),AG-6020T(180),MG-6020T(180),CO-6020T(180)
L2322083-03E	Amber 250ml unpreserved	B	7	7	5.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2322083-03F	Amber 250ml unpreserved	B	7	7	5.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2322083-04A	Vial HCl preserved	B	NA		5.6	Y	Absent		NYTCL-8260(14)
L2322083-04B	Vial HCl preserved	B	NA		5.6	Y	Absent		NYTCL-8260(14)
L2322083-04C	Vial HCl preserved	B	NA		5.6	Y	Absent		NYTCL-8260(14)
L2322083-04D	Plastic 250ml HNO3 preserved	B	6	<2	5.6	N	Absent		TL-6020T(180),FE-6020T(180),BA-6020T(180),SE-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),CD-6020T(180),AL-6020T(180),MG-6020T(180),HG-T(28),AG-6020T(180),CO-6020T(180)
L2322083-04E	Amber 250ml unpreserved	B	7	7	5.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2322083-04F	Amber 250ml unpreserved	B	7	7	5.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name:	1153 WEST FAYETTE ST., PHASE I	**Lab Number:**	L2322083
Project Number:	AB2.001.002	**Report Date:**	05/01/23

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.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	1153 WEST FAYETTE ST., PHASE I	**Lab Number:**	L2322083
Project Number:	AB2.001.002	**Report Date:**	05/01/23

Footnotes

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

Terms

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

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: 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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	1153 WEST FAYETTE ST., PHASE I	**Lab Number:**	L2322083
Project Number:	AB2.001.002	**Report Date:**	05/01/23

Data Qualifiers

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.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	1153 WEST FAYETTE ST., PHASE I	**Lab Number:**	L2322083
Project Number:	AB2.001.002	**Report Date:**	05/01/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; 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, SM9222D.**

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, EPA 537.1.

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

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

ALPHA ANALYTICAL

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

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

NEW YORK CHAIN OF CUSTODY

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

Page 1 of 1

Date Rec'd in Lab: 04/25/23

ALPHA Job #: L2322083

Client Information

Client: C3S Engineers
Address: 499 Col. Eileen Collins Blvd, Syracuse, NY 13212
Phone:
Fax:
Email: cdelfatti@cscos.com

Project Information

Project Name: 1153 West Fayette St Phase II ESA
Project Location: Syracuse, NY
Project # AB2.001.002
(Use Project name as Project #) ☐
Project Manager: Claire Del Fatti
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

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

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

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

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Total metals, total Hg

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8270-LVI	Total Hg, metals	NYTCL-8260	Sample Specific Comments	Total Bottle
22083-01	TW-01	04/24/23	1328	water	CD/NB	X	X	X		6
-02	TW-02		1453			X	X	X		6
-03	TW-03		1605			X	X	X		6
-04	TW-04	↓	1700	↓	↓	X	X	X		6

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

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

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

Container Type	A	P	V					
Preservative	A	G	B					

Relinquished By:	Date/Time	Received By:	Date/Time
C Del Fatti (C. Del Fatti)	04/24/23 1820		4/25/23 0110

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

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

ANALYTICAL REPORT

Lab Number:	L2322073
Client:	C&S Companies 499 Col. Eileen Collins Blvd. Syracuse, NY 13212
ATTN:	Claire Del Fatti
Phone:	(315) 703-4233
Project Name:	1153 WEST FAYETTE ST PHASE II
Project Number:	AB2.001.002
Report Date:	05/08/23

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: 1153 WEST FAYETTE ST PHASE II
Project Number: AB2.001.002

Lab Number: L2322073
Report Date: 05/08/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2322073-01	BH-01 0-5	SOIL	SYRACUSE, NY	04/24/23 09:00	04/24/23
L2322073-02	BH-04 8-10	SOIL	SYRACUSE, NY	04/24/23 10:30	04/24/23
L2322073-03	BH-06 11-14	SOIL	SYRACUSE, NY	04/24/23 12:00	04/24/23
L2322073-04	BH-07 5-9	SOIL	SYRACUSE, NY	04/24/23 13:30	04/24/23
L2322073-05	BH-08 0-5	SOIL	SYRACUSE, NY	04/24/23 13:45	04/24/23
L2322073-06	BH-10 5-9	SOIL	SYRACUSE, NY	04/24/23 15:00	04/24/23

Project Name:	1153 WEST FAYETTE ST PHASE II	**Lab Number:**	L2322073
Project Number:	AB2.001.002	**Report Date:**	05/08/23

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:	1153 WEST FAYETTE ST PHASE II	**Lab Number:**	L2322073
Project Number:	AB2.001.002	**Report Date:**	05/08/23

Case Narrative (continued)

Report Submission

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

Volatile Organics

L2322073-03: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (177%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2322073-06: The acetone result should be considered estimated due to co-elution with a non-target compound.

Semivolatile Organics

L2322073-03: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

Total Metals

L2322073-01, -02, -04, -05, and -06: The sample has an elevated detection limit for Silver, due to the dilution required by the sample matrix.

L2322073-03: The sample has an elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

Cyanide, Total

The WG1774590-3 LCSD recovery for cyanide, total (79%), associated with L2322073-01, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1774905-2/-3 LCS/LCSD recoveries for cyanide, total (74%/35%), associated with L2322073-02 through -06, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits.

Project Name:	1153 WEST FAYETTE ST PHASE II	**Lab Number:**	L2322073
Project Number:	AB2.001.002	**Report Date:**	05/08/23

Case Narrative (continued)

The results of the original analyses are reported. The LCS/LCSD RPD is above the acceptance criteria for cyanide, total (70%).

Hexavalent Chromium

The WG1772040-2 LCS recovery for chromium, hexavalent (79%), associated with L2322073-01 through -06, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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: 05/08/23

ORGANICS

VOLATILES

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-02
Client ID: BH-04 8-10
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 10:30
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/04/23 21:27
Analyst: JIC
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
Tetrachloroethene	ND		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	0.21	1
Benzene	2.7		ug/kg	0.64	0.21	1
Toluene	8.7		ug/kg	1.3	0.70	1
Ethylbenzene	8.5		ug/kg	1.3	0.18	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1
Trichloroethene	ND		ug/kg	0.64	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	5.7		ug/kg	2.6	0.72	1
o-Xylene	3.4		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
Acetone	ND		ug/kg	13	6.2	1
2-Butanone	ND		ug/kg	13	2.8	1
n-Butylbenzene	1.8		ug/kg	1.3	0.21	1
sec-Butylbenzene	0.95	J	ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
n-Propylbenzene	4.7		ug/kg	1.3	0.22	1

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-02 Date Collected: 04/24/23 10:30

Client ID: BH-04 8-10 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3,5-Trimethylbenzene	0.37	J	ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	1.3	J	ug/kg	2.6	0.43	1
1,4-Dioxane	ND		ug/kg	100	45.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	125		70-130
Dibromofluoromethane	88		70-130

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-03
Client ID: BH-06 11-14
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 12:00
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/04/23 21:47
Analyst: JIC
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.4	3.8	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.24	1
Chloroform	ND		ug/kg	2.5	0.24	1
Carbon tetrachloride	ND		ug/kg	1.7	0.39	1
Tetrachloroethene	ND		ug/kg	0.84	0.33	1
Chlorobenzene	ND		ug/kg	0.84	0.21	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.43	1
1,1,1-Trichloroethane	ND		ug/kg	0.84	0.28	1
Benzene	15		ug/kg	0.84	0.28	1
Toluene	24		ug/kg	1.7	0.91	1
Ethylbenzene	12		ug/kg	1.7	0.24	1
Vinyl chloride	ND		ug/kg	1.7	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.23	1
Trichloroethene	ND		ug/kg	0.84	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	3.4	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	3.4	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	3.4	0.29	1
Methyl tert butyl ether	ND		ug/kg	3.4	0.34	1
p/m-Xylene	8.5		ug/kg	3.4	0.94	1
o-Xylene	5.4		ug/kg	1.7	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.29	1
Acetone	110		ug/kg	17	8.1	1
2-Butanone	25		ug/kg	17	3.7	1
n-Butylbenzene	3.5		ug/kg	1.7	0.28	1
sec-Butylbenzene	2.8		ug/kg	1.7	0.24	1
tert-Butylbenzene	5.1		ug/kg	3.4	0.20	1
n-Propylbenzene	4.6		ug/kg	1.7	0.29	1

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-03 Date Collected: 04/24/23 12:00

Client ID: BH-06 11-14 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3,5-Trimethylbenzene	0.53	J	ug/kg	3.4	0.32	1
1,2,4-Trimethylbenzene	2.8	J	ug/kg	3.4	0.56	1
1,4-Dioxane	ND		ug/kg	130	59.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	**177**	Q	70-130
Dibromofluoromethane	99		70-130

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-04
Client ID: BH-07 5-9
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 13:30
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/03/23 18:09
Analyst: JIC
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.6	3.5	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	ND		ug/kg	2.3	0.21	1
Carbon tetrachloride	ND		ug/kg	1.5	0.35	1
Tetrachloroethene	ND		ug/kg	0.76	0.30	1
Chlorobenzene	ND		ug/kg	0.76	0.19	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.39	1
1,1,1-Trichloroethane	ND		ug/kg	0.76	0.25	1
Benzene	ND		ug/kg	0.76	0.25	1
Toluene	ND		ug/kg	1.5	0.82	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
Vinyl chloride	ND		ug/kg	1.5	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.21	1
Trichloroethene	ND		ug/kg	0.76	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.30	1
p/m-Xylene	ND		ug/kg	3.0	0.85	1
o-Xylene	ND		ug/kg	1.5	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.27	1
Acetone	ND		ug/kg	15	7.3	1
2-Butanone	ND		ug/kg	15	3.4	1
n-Butylbenzene	ND		ug/kg	1.5	0.25	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	3.0	0.18	1
n-Propylbenzene	ND		ug/kg	1.5	0.26	1

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-04 Date Collected: 04/24/23 13:30

Client ID: BH-07 5-9 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	0.29	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	0.51	1
1,4-Dioxane	ND		ug/kg	120	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	99		70-130

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-05
Client ID: BH-08 0-5
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 13:45
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/03/23 18:35
Analyst: JIC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.9	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.1	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
Tetrachloroethene	ND		ug/kg	0.69	0.27	1
Chlorobenzene	ND		ug/kg	0.69	0.18	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.69	0.23	1
Benzene	2.2		ug/kg	0.69	0.23	1
Toluene	1.6		ug/kg	1.4	0.75	1
Ethylbenzene	0.66	J	ug/kg	1.4	0.20	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1
Trichloroethene	ND		ug/kg	0.69	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.78	1
o-Xylene	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
Acetone	12	J	ug/kg	14	6.7	1
2-Butanone	ND		ug/kg	14	3.1	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.8	0.16	1
n-Propylbenzene	ND		ug/kg	1.4	0.24	1

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-05 Date Collected: 04/24/23 13:45

Client ID: BH-08 0-5 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	0.46	1
1,4-Dioxane	ND		ug/kg	110	48.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-06
Client ID: BH-10 5-9
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 15:00
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/03/23 17:44
Analyst: JIC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	18	8.1	1
1,1-Dichloroethane	ND		ug/kg	3.5	0.51	1
Chloroform	ND		ug/kg	5.3	0.49	1
Carbon tetrachloride	ND		ug/kg	3.5	0.81	1
Tetrachloroethene	ND		ug/kg	1.8	0.69	1
Chlorobenzene	ND		ug/kg	1.8	0.45	1
1,2-Dichloroethane	ND		ug/kg	3.5	0.91	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	0.59	1
Benzene	ND		ug/kg	1.8	0.59	1
Toluene	ND		ug/kg	3.5	1.9	1
Ethylbenzene	0.88	J	ug/kg	3.5	0.50	1
Vinyl chloride	ND		ug/kg	3.5	1.2	1
1,1-Dichloroethene	ND		ug/kg	3.5	0.84	1
trans-1,2-Dichloroethene	ND		ug/kg	5.3	0.48	1
Trichloroethene	ND		ug/kg	1.8	0.48	1
1,2-Dichlorobenzene	ND		ug/kg	7.1	0.51	1
1,3-Dichlorobenzene	ND		ug/kg	7.1	0.52	1
1,4-Dichlorobenzene	ND		ug/kg	7.1	0.60	1
Methyl tert butyl ether	ND		ug/kg	7.1	0.71	1
p/m-Xylene	ND		ug/kg	7.1	2.0	1
o-Xylene	ND		ug/kg	3.5	1.0	1
cis-1,2-Dichloroethene	ND		ug/kg	3.5	0.62	1
Acetone	41		ug/kg	35	17.	1
2-Butanone	7.8	J	ug/kg	35	7.8	1
n-Butylbenzene	ND		ug/kg	3.5	0.59	1
sec-Butylbenzene	ND		ug/kg	3.5	0.52	1
tert-Butylbenzene	ND		ug/kg	7.1	0.42	1
n-Propylbenzene	ND		ug/kg	3.5	0.60	1

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-06 Date Collected: 04/24/23 15:00

Client ID: BH-10 5-9 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	7.1	0.68	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.1	1.2	1
1,4-Dioxane	ND		ug/kg	280	120	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	101		70-130

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/03/23 16:52
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,04-06 Batch: WG1774811-5					
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
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	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
Vinyl chloride	ND		ug/kg	1.0	0.34
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
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
Acetone	ND		ug/kg	10	4.8
2-Butanone	ND		ug/kg	10	2.2
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
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/03/23 16:52
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,04-06 Batch: WG1774811-5					
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/04/23 16:31
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1775264-5					
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
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	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
Vinyl chloride	ND		ug/kg	1.0	0.34
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
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
Acetone	ND		ug/kg	10	4.8
2-Butanone	ND		ug/kg	10	2.2
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
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/04/23 16:31
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1775264-5					
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1153 WEST FAYETTE ST PHASE II

Project Number: AB2.001.002

Lab Number: L2322073

Report Date: 05/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,04-06 Batch: WG1774811-3 WG1774811-4								
Methylene chloride	81		82		70-130	1		30
1,1-Dichloroethane	89		89		70-130	0		30
Chloroform	91		91		70-130	0		30
Carbon tetrachloride	92		90		70-130	2		30
Tetrachloroethene	92		91		70-130	1		30
Chlorobenzene	90		89		70-130	1		30
1,2-Dichloroethane	93		93		70-130	0		30
1,1,1-Trichloroethane	93		93		70-130	0		30
Benzene	87		86		70-130	1		30
Toluene	86		85		70-130	1		30
Ethylbenzene	91		89		70-130	2		30
Vinyl chloride	77		78		67-130	1		30
1,1-Dichloroethene	85		85		65-135	0		30
trans-1,2-Dichloroethene	86		86		70-130	0		30
Trichloroethene	92		93		70-130	1		30
1,2-Dichlorobenzene	90		91		70-130	1		30
1,3-Dichlorobenzene	88		88		70-130	0		30
1,4-Dichlorobenzene	89		89		70-130	0		30
Methyl tert butyl ether	89		91		66-130	2		30
p/m-Xylene	90		88		70-130	2		30
o-Xylene	91		89		70-130	2		30
cis-1,2-Dichloroethene	88		89		70-130	1		30
Acetone	79		88		54-140	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1153 WEST FAYETTE ST PHASE II
Project Number: AB2.001.002

Lab Number: L2322073
Report Date: 05/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,04-06 Batch: WG1774811-3 WG1774811-4								
2-Butanone	82		90		70-130	9		30
n-Butylbenzene	92		89		70-130	3		30
sec-Butylbenzene	91		90		70-130	1		30
tert-Butylbenzene	91		90		70-130	1		30
n-Propylbenzene	91		90		70-130	1		30
1,3,5-Trimethylbenzene	91		91		70-130	0		30
1,2,4-Trimethylbenzene	91		90		70-130	1		30
1,4-Dioxane	89		95		65-136	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1153 WEST FAYETTE ST PHASE II

Project Number: AB2.001.002

Lab Number: L2322073

Report Date: 05/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1775264-3 WG1775264-4								
Methylene chloride	90		97		70-130	7		30
1,1-Dichloroethane	104		112		70-130	7		30
Chloroform	104		109		70-130	5		30
Carbon tetrachloride	88		95		70-130	8		30
Tetrachloroethene	82		86		70-130	5		30
Chlorobenzene	91		96		70-130	5		30
1,2-Dichloroethane	115		123		70-130	7		30
1,1,1-Trichloroethane	98		104		70-130	6		30
Benzene	100		106		70-130	6		30
Toluene	87		92		70-130	6		30
Ethylbenzene	91		96		70-130	5		30
Vinyl chloride	97		103		67-130	6		30
1,1-Dichloroethene	87		90		65-135	3		30
trans-1,2-Dichloroethene	91		98		70-130	7		30
Trichloroethene	95		104		70-130	9		30
1,2-Dichlorobenzene	92		96		70-130	4		30
1,3-Dichlorobenzene	88		92		70-130	4		30
1,4-Dichlorobenzene	88		94		70-130	7		30
Methyl tert butyl ether	118		125		66-130	6		30
p/m-Xylene	91		96		70-130	5		30
o-Xylene	93		99		70-130	6		30
cis-1,2-Dichloroethene	96		102		70-130	6		30
Acetone	**143**	Q	**149**	Q	54-140	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1153 WEST FAYETTE ST PHASE II
Project Number: AB2.001.002

Lab Number: L2322073
Report Date: 05/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1775264-3 WG1775264-4								
2-Butanone	105		109		70-130	4		30
n-Butylbenzene	93		99		70-130	6		30
sec-Butylbenzene	87		92		70-130	6		30
tert-Butylbenzene	85		90		70-130	6		30
n-Propylbenzene	91		96		70-130	5		30
1,3,5-Trimethylbenzene	91		95		70-130	4		30
1,2,4-Trimethylbenzene	92		98		70-130	6		30
1,4-Dioxane	88		93		65-136	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	121		124		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	108		108		70-130

SEMIVOLATILES

Project Name: 1153 WEST FAYETTE ST PHASE II
Lab Number: L2322073
Project Number: AB2.001.002
Report Date: 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-02
Client ID: BH-04 8-10
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 10:30
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 05/06/23 19:29
Analyst: MG
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 05/04/23 22:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	150	J	ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Fluoranthene	860		ug/kg	130	24.	1
Naphthalene	45	J	ug/kg	210	26.	1
Benzo(a)anthracene	390		ug/kg	130	24.	1
Benzo(a)pyrene	360		ug/kg	170	51.	1
Benzo(b)fluoranthene	350		ug/kg	130	35.	1
Benzo(k)fluoranthene	150		ug/kg	130	34.	1
Chrysene	360		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	260		ug/kg	130	41.	1
Benzo(ghi)perylene	190		ug/kg	170	25.	1
Fluorene	120	J	ug/kg	210	20.	1
Phenanthrene	950		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	44	J	ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	210		ug/kg	170	29.	1
Pyrene	760		ug/kg	130	21.	1
Dibenzofuran	66	J	ug/kg	210	20.	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1
1,4-Dioxane	ND		ug/kg	32	9.7	1

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-02 Date Collected: 04/24/23 10:30

Client ID: BH-04 8-10 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	45		18-120

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-03
Client ID: BH-06 11-14
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 12:00
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 05/06/23 19:53
Analyst: MG
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 05/04/23 22:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	640		ug/kg	490	64.	1
Hexachlorobenzene	ND		ug/kg	370	69.	1
Fluoranthene	360	J	ug/kg	370	71.	1
Naphthalene	870		ug/kg	620	75.	1
Benzo(a)anthracene	160	J	ug/kg	370	69.	1
Benzo(a)pyrene	160	J	ug/kg	490	150	1
Benzo(b)fluoranthene	200	J	ug/kg	370	100	1
Benzo(k)fluoranthene	ND		ug/kg	370	98.	1
Chrysene	250	J	ug/kg	370	64.	1
Acenaphthylene	ND		ug/kg	490	95.	1
Anthracene	ND		ug/kg	370	120	1
Benzo(ghi)perylene	210	J	ug/kg	490	72.	1
Fluorene	ND		ug/kg	620	60.	1
Phenanthrene	560		ug/kg	370	75.	1
Dibenzo(a,h)anthracene	ND		ug/kg	370	71.	1
Indeno(1,2,3-cd)pyrene	160	J	ug/kg	490	86.	1
Pyrene	490		ug/kg	370	61.	1
Dibenzofuran	ND		ug/kg	620	58.	1
Pentachlorophenol	ND		ug/kg	490	140	1
Phenol	ND		ug/kg	620	93.	1
2-Methylphenol	ND		ug/kg	620	95.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	890	96.	1
1,4-Dioxane	ND		ug/kg	92	28.	1

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-03 Date Collected: 04/24/23 12:00

Client ID: BH-06 11-14 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	100		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	82		18-120

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-04
Client ID: BH-07 5-9
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 13:30
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 05/06/23 20:17
Analyst: MG
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 05/04/23 22:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	54	J	ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Fluoranthene	380		ug/kg	120	23.	1
Naphthalene	250		ug/kg	200	25.	1
Benzo(a)anthracene	230		ug/kg	120	23.	1
Benzo(a)pyrene	230		ug/kg	160	50.	1
Benzo(b)fluoranthene	260		ug/kg	120	34.	1
Benzo(k)fluoranthene	100	J	ug/kg	120	33.	1
Chrysene	310		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	120		ug/kg	120	40.	1
Benzo(ghi)perylene	170		ug/kg	160	24.	1
Fluorene	150	J	ug/kg	200	20.	1
Phenanthrene	500		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	41	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	160		ug/kg	160	28.	1
Pyrene	370		ug/kg	120	20.	1
Dibenzofuran	120	J	ug/kg	200	19.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1
1,4-Dioxane	ND		ug/kg	31	9.4	1

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-04 Date Collected: 04/24/23 13:30

Client ID: BH-07 5-9 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	73		18-120

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-05
Client ID: BH-08 0-5
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 13:45
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 05/06/23 20:41
Analyst: MG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/04/23 22:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	46	J	ug/kg	140	18.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Fluoranthene	2600		ug/kg	110	20.	1
Naphthalene	430		ug/kg	180	22.	1
Benzo(a)anthracene	2600		ug/kg	110	20.	1
Benzo(a)pyrene	5200		ug/kg	140	43.	1
Benzo(b)fluoranthene	5200		ug/kg	110	30.	1
Benzo(k)fluoranthene	1800		ug/kg	110	28.	1
Chrysene	2400		ug/kg	110	18.	1
Acenaphthylene	290		ug/kg	140	27.	1
Anthracene	420		ug/kg	110	35.	1
Benzo(ghi)perylene	6200		ug/kg	140	21.	1
Fluorene	100	J	ug/kg	180	17.	1
Phenanthrene	1700		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	820		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	6300		ug/kg	140	25.	1
Pyrene	2700		ug/kg	110	18.	1
Dibenzofuran	240		ug/kg	180	17.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-05 Date Collected: 04/24/23 13:45

Client ID: BH-08 0-5 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	80		18-120

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-06
Client ID: BH-10 5-9
Sample Location: SYRACUSE, NY

Date Collected: 04/24/23 15:00
Date Received: 04/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 05/06/23 21:05
Analyst: MG
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 05/04/23 22:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Fluoranthene	130		ug/kg	110	22.	1
Naphthalene	39	J	ug/kg	190	23.	1
Benzo(a)anthracene	120		ug/kg	110	21.	1
Benzo(a)pyrene	110	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	130		ug/kg	110	32.	1
Benzo(k)fluoranthene	47	J	ug/kg	110	30.	1
Chrysene	160		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	75	J	ug/kg	150	22.	1
Fluorene	32	J	ug/kg	190	18.	1
Phenanthrene	220		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	24	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	67	J	ug/kg	150	26.	1
Pyrene	120		ug/kg	110	19.	1
Dibenzofuran	ND		ug/kg	190	18.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-06 Date Collected: 04/24/23 15:00

Client ID: BH-10 5-9 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	69		18-120

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 05/04/23 22:19
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 05/04/23 11:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1774755-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	99	18.
Fluoranthene	ND		ug/kg	99	19.
Naphthalene	ND		ug/kg	160	20.
Benzo(a)anthracene	ND		ug/kg	99	18.
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	25.
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.
Dibenzofuran	ND		ug/kg	160	16.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
1,4-Dioxane	ND		ug/kg	25	7.6

Project Name: 1153 WEST FAYETTE ST PHASE II
Project Number: AB2.001.002
Lab Number: L2322073
Report Date: 05/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 05/04/23 22:19
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 05/04/23 11:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1774755-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	72		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1153 WEST FAYETTE ST PHASE II
Project Number: AB2.001.002

Lab Number: L2322073
Report Date: 05/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1774755-2 WG1774755-3								
Acenaphthene	79		88		31-137	11		50
Hexachlorobenzene	87		101		40-140	15		50
Fluoranthene	81		91		40-140	12		50
Naphthalene	78		85		40-140	9		50
Benzo(a)anthracene	75		84		40-140	11		50
Benzo(a)pyrene	83		94		40-140	12		50
Benzo(b)fluoranthene	74		86		40-140	15		50
Benzo(k)fluoranthene	87		97		40-140	11		50
Chrysene	80		88		40-140	10		50
Acenaphthylene	84		95		40-140	12		50
Anthracene	83		92		40-140	10		50
Benzo(ghi)perylene	77		88		40-140	13		50
Fluorene	83		92		40-140	10		50
Phenanthrene	80		89		40-140	11		50
Dibenzo(a,h)anthracene	78		88		40-140	12		50
Indeno(1,2,3-cd)pyrene	78		89		40-140	13		50
Pyrene	82		91		35-142	10		50
Dibenzofuran	82		93		40-140	13		50
Pentachlorophenol	91		106		17-109	15		50
Phenol	90		**100**	Q	26-90	11		50
2-Methylphenol	82		94		30-130.	14		50
3-Methylphenol/4-Methylphenol	80		91		30-130	13		50
1,4-Dioxane	52		53		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1153 WEST FAYETTE ST PHASE II

Project Number: AB2.001.002

Lab Number: L2322073

Report Date: 05/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1774755-2 WG1774755-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	91		99		25-120
Phenol-d6	85		95		10-120
Nitrobenzene-d5	75		82		23-120
2-Fluorobiphenyl	79		88		30-120
2,4,6-Tribromophenol	101		114		10-136
4-Terphenyl-d14	85		96		18-120

METALS

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-02 Date Collected: 04/24/23 10:30

Client ID: BH-04 8-10 Date Received: 04/24/23

Sample Location: SYRACUSE, NY 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											
Arsenic, Total	17.2		mg/kg	0.490	0.102	1	05/03/23 20:43	05/08/23 10:50	EPA 3050B	1,6010D	NTB
Barium, Total	28.6		mg/kg	0.490	0.085	1	05/03/23 20:43	05/08/23 10:50	EPA 3050B	1,6010D	NTB
Beryllium, Total	0.316		mg/kg	0.245	0.016	1	05/03/23 20:43	05/08/23 10:50	EPA 3050B	1,6010D	NTB
Cadmium, Total	0.710		mg/kg	0.490	0.048	1	05/03/23 20:43	05/08/23 10:50	EPA 3050B	1,6010D	NTB
Chromium, Total	21.1		mg/kg	0.490	0.047	1	05/03/23 20:43	05/08/23 10:50	EPA 3050B	1,6010D	NTB
Copper, Total	107		mg/kg	0.490	0.126	1	05/03/23 20:43	05/08/23 10:50	EPA 3050B	1,6010D	NTB
Lead, Total	90.7		mg/kg	2.45	0.131	1	05/03/23 20:43	05/08/23 10:50	EPA 3050B	1,6010D	NTB
Manganese, Total	660		mg/kg	0.490	0.078	1	05/03/23 20:43	05/08/23 10:50	EPA 3050B	1,6010D	NTB
Mercury, Total	1.87		mg/kg	0.090	0.059	1	05/03/23 21:29	05/05/23 17:47	EPA 7471B	1,7471B	DMB
Nickel, Total	28.2		mg/kg	1.22	0.118	1	05/03/23 20:43	05/08/23 10:50	EPA 3050B	1,6010D	NTB
Selenium, Total	4.85		mg/kg	0.980	0.126	1	05/03/23 20:43	05/08/23 10:50	EPA 3050B	1,6010D	NTB
Silver, Total	ND		mg/kg	1.22	0.693	5	05/03/23 20:43	05/08/23 11:43	EPA 3050B	1,6010D	NTB
Zinc, Total	192		mg/kg	2.45	0.144	1	05/03/23 20:43	05/08/23 10:50	EPA 3050B	1,6010D	NTB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	21.1		mg/kg	1.03	1.03	1		05/08/23 10:50	NA	107,-	

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-03 Date Collected: 04/24/23 12:00

Client ID: BH-06 11-14 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	38.4		mg/kg	1.00	0.208	2	05/03/23 20:43	05/08/23 11:26	EPA 3050B	1,6010D	NTB
Barium, Total	32.5		mg/kg	1.00	0.174	2	05/03/23 20:43	05/08/23 11:26	EPA 3050B	1,6010D	NTB
Beryllium, Total	1.38		mg/kg	0.501	0.033	2	05/03/23 20:43	05/08/23 11:26	EPA 3050B	1,6010D	NTB
Cadmium, Total	0.816	J	mg/kg	1.00	0.098	2	05/03/23 20:43	05/08/23 11:26	EPA 3050B	1,6010D	NTB
Chromium, Total	26.7		mg/kg	1.00	0.096	2	05/03/23 20:43	05/08/23 11:26	EPA 3050B	1,6010D	NTB
Copper, Total	29.1		mg/kg	1.00	0.258	2	05/03/23 20:43	05/08/23 11:26	EPA 3050B	1,6010D	NTB
Lead, Total	204		mg/kg	5.01	0.268	2	05/03/23 20:43	05/08/23 11:26	EPA 3050B	1,6010D	NTB
Manganese, Total	727		mg/kg	1.00	0.159	2	05/03/23 20:43	05/08/23 11:26	EPA 3050B	1,6010D	NTB
Mercury, Total	0.059	J	mg/kg	0.088	0.057	1	05/03/23 21:29	05/05/23 17:50	EPA 7471B	1,7471B	DMB
Nickel, Total	11.7		mg/kg	2.50	0.242	2	05/03/23 20:43	05/08/23 11:26	EPA 3050B	1,6010D	NTB
Selenium, Total	1.29	J	mg/kg	2.00	0.258	2	05/03/23 20:43	05/08/23 11:26	EPA 3050B	1,6010D	NTB
Silver, Total	ND		mg/kg	1.25	0.708	5	05/03/23 20:43	05/08/23 11:46	EPA 3050B	1,6010D	NTB
Zinc, Total	206		mg/kg	5.01	0.293	2	05/03/23 20:43	05/08/23 11:26	EPA 3050B	1,6010D	NTB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	26.7		mg/kg	1.01	1.01	1		05/08/23 11:26	NA	107,-	

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-04 Date Collected: 04/24/23 13:30

Client ID: BH-07 5-9 Date Received: 04/24/23

Sample Location: SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	29.8		mg/kg	0.482	0.100	1	05/03/23 20:43	05/08/23 11:12	EPA 3050B	1,6010D	NTB
Barium, Total	69.0		mg/kg	0.482	0.084	1	05/03/23 20:43	05/08/23 11:12	EPA 3050B	1,6010D	NTB
Beryllium, Total	0.511		mg/kg	0.241	0.016	1	05/03/23 20:43	05/08/23 11:12	EPA 3050B	1,6010D	NTB
Cadmium, Total	1.72		mg/kg	0.482	0.047	1	05/03/23 20:43	05/08/23 11:12	EPA 3050B	1,6010D	NTB
Chromium, Total	25.9		mg/kg	0.482	0.046	1	05/03/23 20:43	05/08/23 11:12	EPA 3050B	1,6010D	NTB
Copper, Total	58.5		mg/kg	0.482	0.124	1	05/03/23 20:43	05/08/23 11:12	EPA 3050B	1,6010D	NTB
Lead, Total	556		mg/kg	2.41	0.129	1	05/03/23 20:43	05/08/23 11:12	EPA 3050B	1,6010D	NTB
Manganese, Total	577		mg/kg	0.482	0.077	1	05/03/23 20:43	05/08/23 11:12	EPA 3050B	1,6010D	NTB
Mercury, Total	0.088		mg/kg	0.087	0.057	1	05/03/23 21:29	05/05/23 17:53	EPA 7471B	1,7471B	DMB
Nickel, Total	17.4		mg/kg	1.21	0.117	1	05/03/23 20:43	05/08/23 11:12	EPA 3050B	1,6010D	NTB
Selenium, Total	1.44		mg/kg	0.965	0.124	1	05/03/23 20:43	05/08/23 11:12	EPA 3050B	1,6010D	NTB
Silver, Total	ND		mg/kg	0.482	0.273	2	05/03/23 20:43	05/08/23 11:29	EPA 3050B	1,6010D	NTB
Zinc, Total	211		mg/kg	2.41	0.141	1	05/03/23 20:43	05/08/23 11:12	EPA 3050B	1,6010D	NTB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	25.9		mg/kg	0.998	0.998	1		05/08/23 11:12	NA	107,-	

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-05 Date Collected: 04/24/23 13:45

Client ID: BH-08 0-5 Date Received: 04/24/23

Sample Location: SYRACUSE, 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											
Arsenic, Total	22.5		mg/kg	0.434	0.090	1	05/03/23 20:43	05/08/23 11:15	EPA 3050B	1,6010D	NTB
Barium, Total	54.9		mg/kg	0.434	0.075	1	05/03/23 20:43	05/08/23 11:15	EPA 3050B	1,6010D	NTB
Beryllium, Total	0.384		mg/kg	0.217	0.014	1	05/03/23 20:43	05/08/23 11:15	EPA 3050B	1,6010D	NTB
Cadmium, Total	0.681		mg/kg	0.434	0.043	1	05/03/23 20:43	05/08/23 11:15	EPA 3050B	1,6010D	NTB
Chromium, Total	23.6		mg/kg	0.434	0.042	1	05/03/23 20:43	05/08/23 11:15	EPA 3050B	1,6010D	NTB
Copper, Total	41.5		mg/kg	0.434	0.112	1	05/03/23 20:43	05/08/23 11:15	EPA 3050B	1,6010D	NTB
Lead, Total	74.3		mg/kg	2.17	0.116	1	05/03/23 20:43	05/08/23 11:15	EPA 3050B	1,6010D	NTB
Manganese, Total	467		mg/kg	0.434	0.069	1	05/03/23 20:43	05/08/23 11:15	EPA 3050B	1,6010D	NTB
Mercury, Total	0.066	J	mg/kg	0.076	0.049	1	05/03/23 21:29	05/05/23 17:57	EPA 7471B	1,7471B	DMB
Nickel, Total	15.9		mg/kg	1.08	0.105	1	05/03/23 20:43	05/08/23 11:15	EPA 3050B	1,6010D	NTB
Selenium, Total	1.35		mg/kg	0.867	0.112	1	05/03/23 20:43	05/08/23 11:15	EPA 3050B	1,6010D	NTB
Silver, Total	ND		mg/kg	0.434	0.245	2	05/03/23 20:43	05/08/23 11:49	EPA 3050B	1,6010D	NTB
Zinc, Total	39.6		mg/kg	2.17	0.127	1	05/03/23 20:43	05/08/23 11:15	EPA 3050B	1,6010D	NTB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	23.6		mg/kg	0.870	0.870	1		05/08/23 11:15	NA	107,-	

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-06 Date Collected: 04/24/23 15:00

Client ID: BH-10 5-9 Date Received: 04/24/23

Sample Location: SYRACUSE, NY 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											
Arsenic, Total	20.2		mg/kg	0.446	0.093	1	05/03/23 20:43	05/08/23 11:18	EPA 3050B	1,6010D	NTB
Barium, Total	30.9		mg/kg	0.446	0.078	1	05/03/23 20:43	05/08/23 11:18	EPA 3050B	1,6010D	NTB
Beryllium, Total	0.538		mg/kg	0.223	0.015	1	05/03/23 20:43	05/08/23 11:18	EPA 3050B	1,6010D	NTB
Cadmium, Total	0.235	J	mg/kg	0.446	0.044	1	05/03/23 20:43	05/08/23 11:18	EPA 3050B	1,6010D	NTB
Chromium, Total	14.1		mg/kg	0.446	0.043	1	05/03/23 20:43	05/08/23 11:18	EPA 3050B	1,6010D	NTB
Copper, Total	26.8		mg/kg	0.446	0.115	1	05/03/23 20:43	05/08/23 11:18	EPA 3050B	1,6010D	NTB
Lead, Total	64.9		mg/kg	2.23	0.119	1	05/03/23 20:43	05/08/23 11:18	EPA 3050B	1,6010D	NTB
Manganese, Total	514		mg/kg	0.446	0.071	1	05/03/23 20:43	05/08/23 11:18	EPA 3050B	1,6010D	NTB
Mercury, Total	0.342		mg/kg	0.077	0.050	1	05/03/23 21:29	05/05/23 18:00	EPA 7471B	1,7471B	DMB
Nickel, Total	14.0		mg/kg	1.11	0.108	1	05/03/23 20:43	05/08/23 11:18	EPA 3050B	1,6010D	NTB
Selenium, Total	0.617	J	mg/kg	0.892	0.115	1	05/03/23 20:43	05/08/23 11:18	EPA 3050B	1,6010D	NTB
Silver, Total	ND		mg/kg	0.446	0.252	2	05/03/23 20:43	05/08/23 11:35	EPA 3050B	1,6010D	NTB
Zinc, Total	42.9		mg/kg	2.23	0.131	1	05/03/23 20:43	05/08/23 11:18	EPA 3050B	1,6010D	NTB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	14.1		mg/kg	0.932	0.932	1		05/08/23 11:18	NA	107,-	

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

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): 01-06 Batch: WG1774334-1										
Arsenic, Total	0.096	J	mg/kg	0.400	0.083	1	05/03/23 20:43	05/04/23 09:04	1,6010D	DHL
Barium, Total	ND		mg/kg	0.400	0.070	1	05/03/23 20:43	05/04/23 09:04	1,6010D	DHL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/03/23 20:43	05/04/23 09:04	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/03/23 20:43	05/04/23 09:04	1,6010D	DHL
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/03/23 20:43	05/04/23 09:04	1,6010D	DHL
Copper, Total	ND		mg/kg	0.400	0.103	1	05/03/23 20:43	05/04/23 09:04	1,6010D	DHL
Lead, Total	ND		mg/kg	2.00	0.107	1	05/03/23 20:43	05/04/23 09:04	1,6010D	DHL
Manganese, Total	ND		mg/kg	0.400	0.064	1	05/03/23 20:43	05/04/23 09:04	1,6010D	DHL
Nickel, Total	ND		mg/kg	1.00	0.097	1	05/03/23 20:43	05/04/23 09:04	1,6010D	DHL
Selenium, Total	ND		mg/kg	0.800	0.103	1	05/03/23 20:43	05/04/23 09:04	1,6010D	DHL
Silver, Total	ND		mg/kg	0.200	0.113	1	05/03/23 20:43	05/04/23 09:04	1,6010D	DHL
Zinc, Total	ND		mg/kg	2.00	0.117	1	05/03/23 20:43	05/04/23 09:04	1,6010D	DHL

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1774336-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	05/03/23 21:29	05/04/23 09:54	1,7471B	DMB

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1153 WEST FAYETTE ST PHASE II

Project Number: AB2.001.002

Lab Number: L2322073

Report Date: 05/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1774334-2 SRM Lot Number: D119-540								
Arsenic, Total	105		-		83-117	-		
Barium, Total	101		-		82-118	-		
Beryllium, Total	99		-		83-117	-		
Cadmium, Total	111		-		82-117	-		
Chromium, Total	104		-		82-119	-		
Copper, Total	101		-		84-116	-		
Lead, Total	107		-		82-118	-		
Manganese, Total	101		-		82-118	-		
Nickel, Total	108		-		82-117	-		
Selenium, Total	108		-		79-121	-		
Silver, Total	102		-		80-120	-		
Zinc, Total	104		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1774336-2 SRM Lot Number: D119-540								
Mercury, Total	110		-		73-127	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 1153 WEST FAYETTE ST PHASE II
Project Number: AB2.001.002

Lab Number: L2322073
Report Date: 05/08/23

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): 01-06 QC Batch ID: WG1774334-3 QC Sample: L2324006-09 Client ID: MS Sample												
Arsenic, Total	1.05	12.1	18.6	**145**	Q	-	-		75-125	-		20
Barium, Total	78.2	202	261	91		-	-		75-125	-		20
Beryllium, Total	ND	5.04	3.34	**66**	Q	-	-		75-125	-		20
Cadmium, Total	0.247J	5.34	7.23	**135**	Q	-	-		75-125	-		20
Chromium, Total	95.8	20.2	113	85		-	-		75-125	-		20
Copper, Total	22.3	25.2	55.0	**130**	Q	-	-		75-125	-		20
Lead, Total	2.40J	53.4	71.9	**134**	Q	-	-		75-125	-		20
Manganese, Total	302	50.4	358	111		-	-		75-125	-		20
Nickel, Total	47.4	50.4	112	**128**	Q	-	-		75-125	-		20
Selenium, Total	ND	12.1	16.6	**137**	Q	-	-		75-125	-		20
Silver, Total	ND	5.04	2.15	**43**	Q	-	-		75-125	-		20
Zinc, Total	59.4	50.4	126	**132**	Q	-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1774336-3 QC Sample: L2324004-01 Client ID: MS Sample												
Mercury, Total	ND	1.57	1.55	98		-	-		80-120	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 1153 WEST FAYETTE ST PHASE II

Project Number: AB2.001.002

Lab Number: L2322073

Report Date: 05/08/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1774334-4 QC Sample: L2324006-09 Client ID: DUP Sample						
Chromium, Total	95.8	107	mg/kg	11		20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1774336-4 QC Sample: L2324004-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Project Name: 1153 WEST FAYETTE ST PHASE II
Project Number: AB2.001.002

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2322073
Report Date: 05/08/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1774334-6 QC Sample: L2324006-09 Client ID: DUP Sample						
Chromium, Total	95.8	105	mg/kg	10		20

INORGANICS
&
MISCELLANEOUS

Project Name: 1153 WEST FAYETTE ST PHASE II
Project Number: AB2.001.002
Lab Number: L2322073
Report Date: 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-02
Client ID: BH-04 8-10
Sample Location: SYRACUSE, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/24/23 10:30
Date Received: 04/24/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.6		%	0.100	NA	1	-	04/25/23 10:53	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.2	0.26	1	05/04/23 21:00	05/05/23 10:21	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	1.03	0.206	1	04/27/23 13:00	04/28/23 21:20	1,7196A	WMT

Project Name: 1153 WEST FAYETTE ST PHASE II
Project Number: AB2.001.002
Lab Number: L2322073
Report Date: 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-03
Client ID: BH-06 11-14
Sample Location: SYRACUSE, NY
Sample Depth:
Matrix: Soil
Date Collected: 04/24/23 12:00
Date Received: 04/24/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.5		%	0.100	NA	1	-	04/25/23 10:53	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	05/04/23 21:00	05/05/23 10:22	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	1.01	0.201	1	04/27/23 13:00	04/28/23 21:20	1,7196A	WMT

Project Name: 1153 WEST FAYETTE ST PHASE II
Project Number: AB2.001.002
Lab Number: L2322073
Report Date: 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-04
Client ID: BH-07 5-9
Sample Location: SYRACUSE, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/24/23 13:30
Date Received: 04/24/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.2		%	0.100	NA	1	-	04/25/23 10:53	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.2	0.26	1	05/04/23 21:00	05/05/23 10:23	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	0.998	0.200	1	04/27/23 13:00	04/28/23 21:20	1,7196A	WMT

Project Name: 1153 WEST FAYETTE ST PHASE II
Project Number: AB2.001.002
Lab Number: L2322073
Report Date: 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-05
Client ID: BH-08 0-5
Sample Location: SYRACUSE, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/24/23 13:45
Date Received: 04/24/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.9		%	0.100	NA	1	-	04/25/23 10:53	121,2540G	ROI
Cyanide, Total	0.24	J	mg/kg	1.0	0.22	1	05/04/23 21:00	05/05/23 10:24	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	0.870	0.174	1	04/27/23 13:00	04/28/23 21:20	1,7196A	WMT

Project Name: 1153 WEST FAYETTE ST PHASE II
Project Number: AB2.001.002
Lab Number: L2322073
Report Date: 05/08/23

SAMPLE RESULTS

Lab ID: L2322073-06
Client ID: BH-10 5-9
Sample Location: SYRACUSE, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/24/23 15:00
Date Received: 04/24/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	04/25/23 10:53	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	05/04/23 21:00	05/05/23 10:27	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	0.932	0.186	1	04/27/23 13:00	04/28/23 21:20	1,7196A	WMT

Project Name: 1153 WEST FAYETTE ST PHASE II **Lab Number:** L2322073

Project Number: AB2.001.002 **Report Date:** 05/08/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1772040-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	04/27/23 13:00	04/28/23 21:20	1,7196A	WMT
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1774590-1										
Cyanide, Total	ND		mg/kg	0.92	0.20	1	05/04/23 11:20	05/04/23 16:02	1,9010C/9012B	JER
General Chemistry - Westborough Lab for sample(s): 02-06 Batch: WG1774905-1										
Cyanide, Total	ND		mg/kg	0.87	0.18	1	05/04/23 21:00	05/05/23 10:12	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1153 WEST FAYETTE ST PHASE II

Project Number: AB2.001.002

Lab Number: L2322073

Report Date: 05/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1772040-2								
Chromium, Hexavalent	**79**	Q	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1774590-2 WG1774590-3								
Cyanide, Total	84		**79**	Q	80-120	6		35
General Chemistry - Westborough Lab Associated sample(s): 02-06 Batch: WG1774905-2 WG1774905-3								
Cyanide, Total	**74**	Q	**35**	Q	80-120	**70**	Q	35

Matrix Spike Analysis
Batch Quality Control

Project Name: 1153 WEST FAYETTE ST PHASE II
Project Number: AB2.001.002

Lab Number: L2322073
Report Date: 05/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1772040-4 QC Sample: L2322073-06 Client ID: BH-10 5-9												
Chromium, Hexavalent	ND	1280	1060	83		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1774590-4 WG1774590-5 QC Sample: L2323326-12 Client ID: MS Sample												
Cyanide, Total	ND	10	ND	**0**	Q	ND	**0**	Q	75-125	NC		35
General Chemistry - Westborough Lab Associated sample(s): 02-06 QC Batch ID: WG1774905-4 WG1774905-5 QC Sample: L2321590-04 Client ID: MS Sample												
Cyanide, Total	ND	11	11	98		9.7	89		75-125	13		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 1153 WEST FAYETTE ST PHASE II

Project Number: AB2.001.002

Lab Number: L2322073

Report Date: 05/08/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1770745-1 QC Sample: L2318286-03 Client ID: DUP Sample						
Solids, Total	80.6	79.9	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1772040-6 QC Sample: L2322073-06 Client ID: BH-10 5-9						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 1153 WEST FAYETTE ST PHASE II
Project Number: AB2.001.002

Lab Number: L2322073
Report Date: 05/08/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2322073-01A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW-R2(14)
L2322073-01B	Vial water preserved	A	NA		3.2	Y	Absent	25-APR-23 05:02	NYTCL-8260HLW-R2(14)
L2322073-01C	Vial water preserved	A	NA		3.2	Y	Absent	25-APR-23 05:02	NYTCL-8260HLW-R2(14)
L2322073-01D	Plastic 120ml unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2322073-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),MN-TI(180),HG-T(28),CD-TI(180)
L2322073-01F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2322073-01G	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2322073-02A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW-R2(14)
L2322073-02B	Vial water preserved	A	NA		3.2	Y	Absent	25-APR-23 05:02	NYTCL-8260HLW-R2(14)
L2322073-02C	Vial water preserved	A	NA		3.2	Y	Absent	25-APR-23 05:02	NYTCL-8260HLW-R2(14)
L2322073-02D	Plastic 120ml unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2322073-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),MN-TI(180),HG-T(28),CD-TI(180)
L2322073-02F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2322073-02G	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2322073-03A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW-R2(14)
L2322073-03B	Vial water preserved	A	NA		3.2	Y	Absent	25-APR-23 05:02	NYTCL-8260HLW-R2(14)
L2322073-03C	Vial water preserved	A	NA		3.2	Y	Absent	25-APR-23 05:02	NYTCL-8260HLW-R2(14)
L2322073-03D	Plastic 120ml unpreserved	A	NA		3.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 1153 WEST FAYETTE ST PHASE II
Project Number: AB2.001.002

Lab Number: L2322073
Report Date: 05/08/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2322073-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2322073-03F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2322073-03G	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2322073-04A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW-R2(14)
L2322073-04B	Vial water preserved	A	NA		3.2	Y	Absent	25-APR-23 05:02	NYTCL-8260HLW-R2(14)
L2322073-04C	Vial water preserved	A	NA		3.2	Y	Absent	25-APR-23 05:02	NYTCL-8260HLW-R2(14)
L2322073-04D	Plastic 120ml unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2322073-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),MN-TI(180),HG-T(28),CD-TI(180)
L2322073-04F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2322073-04G	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2322073-05A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW-R2(14)
L2322073-05B	Vial water preserved	A	NA		3.2	Y	Absent	25-APR-23 05:02	NYTCL-8260HLW-R2(14)
L2322073-05C	Vial water preserved	A	NA		3.2	Y	Absent	25-APR-23 05:02	NYTCL-8260HLW-R2(14)
L2322073-05D	Plastic 120ml unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2322073-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),MN-TI(180),HG-T(28),CD-TI(180)
L2322073-05F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2322073-05G	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2322073-06A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW-R2(14)
L2322073-06B	Vial water preserved	A	NA		3.2	Y	Absent	25-APR-23 05:02	NYTCL-8260HLW-R2(14)
L2322073-06C	Vial water preserved	A	NA		3.2	Y	Absent	25-APR-23 05:02	NYTCL-8260HLW-R2(14)
L2322073-06D	Plastic 120ml unpreserved	A	NA		3.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 1153 WEST FAYETTE ST PHASE II
Project Number: AB2.001.002

Lab Number: L2322073
Report Date: 05/08/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2322073-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),MN-TI(180),HG-T(28),CD-TI(180)
L2322073-06F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2322073-06G	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name:	1153 WEST FAYETTE ST PHASE II	**Lab Number:**	L2322073
Project Number:	AB2.001.002	**Report Date:**	05/08/23

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.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	1153 WEST FAYETTE ST PHASE II	**Lab Number:**	L2322073
Project Number:	AB2.001.002	**Report Date:**	05/08/23

Footnotes

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

Terms

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

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: 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.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	1153 WEST FAYETTE ST PHASE II	**Lab Number:**	L2322073
Project Number:	AB2.001.002	**Report Date:**	05/08/23

Data Qualifiers

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.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	1153 WEST FAYETTE ST PHASE II	**Lab Number:**	L2322073
Project Number:	AB2.001.002	**Report Date:**	05/08/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

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, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; 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, SM9222D.**

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, EPA 537.1.

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 04/25/23

ALPHA Job #: L2322073

Client Information

Client: 499 Col. Eileen Collins Blvd
Address: C3S Engineers
Syracuse, NY 13212
Phone:
Fax:
Email: cdelfatti@cscos.com

Project Information

Project Name: 1153 West Fayette St Phase II ESA
Project Location: Syracuse, NY
Project #: AB2.001.002
(Use Project name as Project #) ☐
Project Manager: Claire Del Fatti
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Part 375 Metals (incl. Hg and Hex Chrom) and TCN)

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCN, NYTCL-8270	Hex Chrom	Total Hg, metals	TS	NYTCL-8260 HLW	NYTCL-8260 HLW			Sample Specific Comments	Total Bottle
22073-01	BH-01 0-5	04/24/23	0900	Soil	CD/NC	X	X	X	X	X	X				7
-02	BH-04 8-10		1030			X	X	X	X	X	X				7
-03	BH-06 11-14		1200			X	X	X	X	X	X				7
-04	BH-07 5-9		1330			X	X	X	X	X	X				7
-05	BH-08 0-5		1345			X	X	X	X	X	X				7
-06	BH-10 5-9		1500			X	X	X	X	X	X				7

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

Container Type	A	A	A	P	V	V			
Preservative	A	A	A	A	F	O			

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
C. Del Fatti (C. Del Fatti)	04/24/23 1820	ALL SS	4/24/23 18:20
ALL Secure Storage	4/24/23 16:50	ALL	4/24/23 18:36
			4/25/23 0110

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

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA127\2023\230503N\
Data File : V27230504N21.D
Acq On : 04 May 2023 09:47 pm
Operator : VOA127:JIC
Sample : L2322073-03,31,3.74,5,,B
Misc : WG1775264,ICAL19866
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 05 09:58:54 2023
Quant Method : I:\VOLATILES\VOA127\2023\230503N\V127_230328A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Mar 29 09:51:44 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox3N\V27230504N02.D•