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Phase II Environmental Site Assessment Schenectady 40 Anchor Site 742, 754 & 758 State Street and 749 Albany Street City of Schenectady Schenectady County, New York

NYSDEC Spill No. 2300878 PBS No. 4-054429

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PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
SCHENECTADY 40 ANCHOR SITE

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APPENDICES

1.0 INTRODUCTION

1.1 Project Background

This report presents the findings of a Phase II Environmental Site Assessment (ESA) conducted by C.T. Male Associates Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C. (C.T. Male) at the Schenectady 40 Anchor Site, which is located in the City of Schenectady, Schenectady County, New York (See Figure 1, Appendix A).

The subject property is comprised of four (4) adjoining parcels of land identified as 742, 754 & 758 State Street and 749 Albany Street.

A Phase I ESA was conducted on the three (3) State Street parcels by LaBella Associates, D.P.C. (LaBella). The report, dated January 31, 2023, identified a recognized environmental condition (REC) for the subject property relative to the use of the subject property for automotive related activities and petroleum storage since the 1930s coupled with known impacts to the subject property above New York State Department of Environmental Conservation (NYSDEC) standards. The information on the known impacts was derived from a review of prior reports.

The prior reports included a 2002 Phase I ESA and a 2003 Subsurface Investigation of the Mohawk Honda Site at 728-756 State Street by Northeastern Environmental Technologies Corp. (NETC) which included a review of off-site properties to the northwest that are not subject to this Phase II ESA. The reports did not include the 749 Albany Street parcel or the 758 State Street parcel. On the basis of the findings of the subsurface investigation, a remedial investigation and tank closure activity was performed by NETC in 2003. Remaining impacts to soils as documented in the 2003 Remedial Investigation & Tank Closure Program Report are discussed in Section 5.1.

The 2023 LaBella Phase I ESA report also identified two (2) significant data gaps associated with the subject property including 1) the lack of information relative to heating systems for prior structures and the current building; and 2) the lack of information regarding the condition of the subsurface in relation to known fill material on the property and lack of information regarding the subsurface in relation to nearby and adjoining properties.

The subject property has a petroleum bulk storage (PBS) registration listed under the name Mohawk Honda with an address of 756 State Street. The subject property is

referenced with PBS No. 4-054429. The facility is listed as active with four (4) above ground storage tanks (ASTs) ranging in capacity from 275 gallons to 1,000 gallons listed as in service, three (3) 500-gallon ASTs listed as closed by removal in 2008 and one (1) 2,000-gallon underground storage tank (UST) listed as closed by removal in 1992.

Subsequent to implementing the Phase II ESA activities, a Phase II ESA report dated June 1, 2023, prepared by LaBella was provided. The LaBella Phase II ESA was completed on the three (3) State Street properties and included a ground penetrating radar (GPR) survey, the advancement of five (5) soil borings, the installation of five (5) temporary groundwater sampling points and the collection of soil and groundwater samples for laboratory analysis. Evidence of three (3) anomalies suggestive of USTs was identified according to the LaBella report. A petroleum type odor and stained soils were identified at B-4, which was advanced proximate to one (1) of the suspect USTs which prompted the reporting of a spill to the NYSDEC Spill Hotline. Spill No. 2300878 was assigned to the subject property. Other findings relative to the 2023 LaBella Phase II ESA report are discussed in Section 5.2.

A Phase I ESA was conducted on the 749 Albany Street parcel by C.T. Male. The report, dated December 20, 2023, identified an REC relative to the findings of LaBella Phase II ESA for the remainder of the subject property. Additionally, the report identified the historic use of the subject property for multiple commercial purposes including an awning manufacturing facility circa 1930; and a garage building, which appeared to be associated with commercial use, was located on the northeastern portion of the 749 Albany Street parcel.

On the basis of these findings, this Phase II ESA was conducted to further evaluate the RECs as well as to establish overall conditions to determine if the subject property would be eligible for the NYSDEC Brownfield Cleanup Program (BCP).

1.2 Site Configuration

The subject property is located at 742, 754 & 758 State Street and 749 Albany Street in the City of Schenectady, Schenectady County, New York (see Figure 1 in Appendix A). The subject property is situated northeast of Albany Street and southwest of State Street on the block between Hulett Street and Armory Alley.

The subject property is improved with a two-story commercial building formerly used as an office and automotive repair garage on the 754 Albany Street parcel. The

building is reportedly constructed on a full basement and was constructed between 1914 and 1930.

Electricity and natural gas are supplied to the site by National Grid. Municipal water and sewer service are provided by the City of Schenectady. The site building is reportedly heated by natural gas.

1.3 Project Scope

The Phase II ESA activities included a GPR survey, and a subsurface investigation which included the advancement of six (6) soil borings, four (4) of which were converted to groundwater monitoring wells; the collection of soil samples for field vapor screening and laboratory analysis; and the collection of groundwater samples for laboratory analysis.

This Phase II ESA was conducted by C.T. Male as requested by Mr. Kiel Sadowsky of Albany State Street Limited Partnership.

2.0 METHOD OF PHASE II ESA INVESTIGATION

2.1 GPR Survey

The GPR survey was completed by GPRS of Jamesville, New York, under the observation of C.T. Male on Monday, November 6, 2023. The GPR survey was conducted on exterior portions of the subject property. The GPR survey was limited by dense vegetation and a fence on the 749 Albany Street parcel.

2.2 Test Boring Locations and Drilling Method

Six (6) test boring locations were selected to provide assessment of the site's overall soil and groundwater conditions. The test borings were located as follows:

- GP-1 was advanced to the southeast of the subject property building on the 758 State Street parcel.
- GP-2 was originally planned on the northeastern portion of the subject property proximate to a suspect UST identified during the GPR survey; however, this location was assessed as a function of LaBella's 2023 Phase II ESA (B-2/TGSP-2) where impacts to soil and/or groundwater were not identified. As such, GP-2 was relocated and was advanced within the central portion of the parking area on the western portion of the subject property on the 742 State Street parcel.
- GP-3 was advanced within the approximate footprint of a former auto body repair shop on the central portion of the 742 State Street parcel.
- GP-4 was advanced to the northeast of a suspect UST identified during the GPR survey, to the north of the subject property building on the 754 State Street parcel. Although a boring was also advanced proximate to this suspect UST during the LaBella Phase II ESA (B-4/TGSP-4) impacts to soil and groundwater were identified at this location; however, a monitoring well had not been installed.
- GP-5 was advanced to the north of the northwestern corner of the subject property building in an area where gasoline USTs were depicted on Sanborn Fire Insurance Maps on the 754 State Street parcel.

- GP-6 was advanced on the northern portion of the 749 Albany Street parcel, in between the area of the former awning manufacturing building and former garage building.

The test boring locations are depicted on the Sampling Location Plan which is included as Figure 2 in Appendix A.

The drilling activities were completed on Wednesday, November 29, 2023 by Precision Environmental Services, Inc. of Ballston Spa, New York. For the purpose of this investigation, Geoprobe drilling techniques were utilized.

At each test location a two-inch diameter MacroCore sampler was advanced at continuous four-foot intervals to the termination depths of the borings. The recovered soil samples were visually classified and recorded on individual subsurface exploration logs.

Soil borings GP-1 (MW-1), GP-3 (MW-3), GP-4 (MW-4) and GP-6 (MW-6) were converted into one-inch diameter groundwater monitoring wells.

2.3 Soil Screening

Soil samples were collected from the soil borings for the purpose of field screening with a Photoionization Detector (PID) meter. Following the recovery of the soil samples from the test borings, each sample was placed in a new, clean sealable plastic bag and then screened for the presence of detectable volatile organic compounds (VOCs) with a MiniRAE 3000 PID equipped with a 10.6 eV lamp. The PID meter was calibrated according to manufacturer recommendations prior to use.

2.4 Soil Sampling

Select soil samples were collected from the soil borings for laboratory analysis as follows:

- GP-1 from 13-16.5 feet below grade surface (bgs);
- GP-2 from 7-7.5 feet bgs;
- GP-3 from 4-5 feet bgs;
- GP-4 from 10-11 feet bgs;
- GP-4 from 15-16 feet bgs;

- GP-5 from 1-2 feet bgs; and
- GP-6 from 0-2 feet bgs.

The soil samples from the borings were selected based on the results of the subjective soil screening activities. The soil samples were collected in new laboratory supplied glass jars while wearing new gloves. The samples were placed in a cooler with ice and were forwarded under chain-of-custody to Alpha Analytical, Inc. of Westborough, Massachusetts for laboratory analysis for the Target Compound List (TCL) & the NYSDEC's Commissioner's Policy-51 (CP-51) list of VOCs by EPA Method 8260, the CP-51 list of semi-volatile organic compounds (SVOCs) by EPA Method 8270 and the Target Analyte List (TAL) of metals. The soil sample from GP-1 was also submitted for laboratory analysis for PCBs by EPA Method 8082.

In addition to the soil samples as described above, one (1) soil sample was collected from a boring advanced within the subject property as a function of a Geotechnical assessment being conducted by C.T. Male. The sample was collected from the boring identified as B-102 from a depth of 8 to 10 feet bgs. This sample was submitted for laboratory analysis for CP-51 SVOCs by EPA Method 8270 and for TAL metals. The sample was submitted to Alpha Analytical Inc. for analysis.

2.5 Groundwater Sampling

Groundwater samples were collected on Thursday, November 30, 2023 from MW-1, MW-3, MW-4 and MW-6. Prior to sampling, the water levels were recorded in each well from the top of the PVC casing utilizing a water level meter. The wells were developed by purging a minimum of five (5) well volumes utilizing a peristaltic pump. The wells were allowed to recover to a minimum of 90% of their pre-purging static water levels. The groundwater samples were collected in new laboratory supplied glass jars while wearing new gloves utilizing the peristaltic pump. New sampling tubing was used at each of the well locations.

The groundwater samples were submitted for laboratory analysis for TCL & CP-51 VOCs by EPA Method 8260, CP-51 SVOCs by EPA Method 8270 and TAL metals. The sample collected from MW-1 was also sampled for PCBs by EPA Method 8082. The samples were placed in a cooler with ice and transported to Alpha Analytical, Inc. of Westborough, Massachusetts following proper chain of custody protocols.

2.6 Decontamination

To preclude the potential for cross contamination between the test boring locations, drilling tools and sampling equipment that would contact the site soils and groundwater were decontaminated prior to the start of the drilling activities and between boring locations utilizing a detergent/water wash and tap water rinse. Soil and groundwater samples were handled with a new pair of nitrile gloves to deter cross contamination of the soil and groundwater samples collected for screening and/or laboratory analysis.

3.0 FINDINGS OF THE PHASE II ESA INVESTIGATION

3.1 GPR Survey

Two (2) anomalies consistent with USTs were identified during the GPR survey. The first anomaly was identified on the northeastern portion of the subject property on the 742 State Street parcel. The anomaly measured approximately 13 feet long by approximately 5.5 feet wide, and reportedly appeared to be located approximately two (2) feet bgs. A linear anomaly was identified to the northwest of the first suspect UST, extending from the UST area to the northeast toward State Street. Although not confirmed, the linear anomaly is potentially associated with a supply line to a former pump or pump island.

The second anomaly was identified on the 754 State Street parcel to the north of the southwestern portion of the subject property building. The anomaly measured approximately 30 feet long by approximately 9 feet wide, and reportedly appeared to be located approximately 2.5 feet to 5 feet below grade, with the depths ranging according to the relative location of the suspect UST along a slope in which the suspect UST was located.

It is noted that a third anomaly, identified as a suspect UST in the LaBella 2023 Phase II ESA, was reported by GPRS to resemble a disturbance with varying soil densities potentially resembling a UST grave.

The GPR Survey Report is included in Appendix B.

3.2 Soil Conditions at Boring Locations

At GP-1, beneath the asphalt, an approximate one-foot layer of brown/gray fine to medium sand containing some fine to coarse gravel and trace silt was underlain by an approximate one-foot layer of brown fine to medium sand with little fine to coarse gravel and brick. From approximately 2 to 4.2 feet bgs the soils consisted of fill consisting of brick with little fine to medium sand and fine gravel. The fill was underlain by brown fine sand with occasional brick to approximately 13 feet bgs. From approximately 13 to 16.5 feet bgs the soils consisted of fine to medium sand with some brick, coal and ash. These soils were underlain by brown fine sand to the termination of the boring at 20 feet bgs. The soils became saturated at approximately

16.5 feet bgs. Petrochemical type odors or staining were not noted in the soils recovered from GP-1.

At GP-2, beneath the asphalt, brown fine to coarse sand with some fine to coarse gravel was encountered to approximately 1.5 feet bgs. From approximately 1.5 to 7 feet bgs brown fine to medium sand with little brick and coal and occasional fine to coarse gravel was encountered. An approximate one half-foot layer of fill material consisting of brick, coal, ash and trace fine sand was encountered beneath these soils. The fill layer was underlain by brown fine to medium sand containing traces of brick and coal with occasional occurrences of fine to coarse gravel to approximately 12 feet bgs. From approximately 12 to 16 feet bgs, where the boring was terminated, brown fine sand and silt with trace brick and occasional fine to coarse gravel was encountered. The soils became wet at approximately 12 feet bgs and saturated at approximately 16 feet bgs. Petrochemical type odors or staining were not noted in the soils recovered from GP-2.

At GP-3, beneath the asphalt surface, an approximate one-foot layer of brown/gray fine to medium coarse sand with little fine to coarse gravel was encountered. These soils were underlain by brown fine to medium sand containing some fine to coarse gravel and trace brick to approximately 4 feet bgs. These soils were underlain by an approximate one-foot layer of brown fine to medium sand with some fine to coarse gravel, little brick, coal fragments, slag and ash followed by an approximate one-foot layer of fill consisting of concrete rubble. These soils were underlain by brown fine sand containing trace brick and glass to 12 feet bgs. There was no recovery in the remainder of the boring which was terminated at approximately 20 feet bgs. The soils became wet at approximately 9 feet bgs. Petrochemical type odors and staining were not noted in the soil samples recovered from GP-3 with the exception of an approximate one-foot layer from approximately 4 to 5 feet bgs where a petrochemical odor resembling waste oil was observed along with little black staining.

At GP-4, beneath the asphalt, brown fine to coarse sand with some fine to coarse gravel and trace fill materials (brick, ash and glass) was encountered to approximately 3 feet bgs. These soils were underlain by brown fine to medium sand with little fine to coarse gravel and trace fill materials (brick, ash, glass and concrete rubble) to approximately 10 feet bgs. These soils were underlain by an approximate one-foot layer of fill materials consisting of brick, coal, slag, ash, glass, concrete rubble and little fine to medium sand. From approximately 11 feet bgs to the

termination of the boring at 20 feet bgs the soils consisted of brown fine to medium sand with little fine to coarse gravel with trace brick. The soils became wet at approximately 14 feet bgs. Petrochemical type odors and staining were noted in the soil samples recovered from approximately 15 to 17.5 feet bgs.

The upper one-foot layer at GP-5 consisted of brown fine to medium sand with some fine to coarse gravel beneath the asphalt. These soils were underlain by an approximate one-foot layer of brown fine to medium sand with some fill consisting of brick, ash, tile fragments and coal, and little fine to coarse gravel. These soils were underlain by brown fine to medium sand with little fine to coarse gravel and trace brick and coal fragments to the termination of the boring at 16 feet bgs. Petrochemical type odors and staining were not noted in the soil samples recovered from GP-5. The soils became wet at approximately 10.5 feet bgs and saturated at approximately 12 feet bgs.

Brown/grey fine to coarse sand and gravel with some fill materials (brick and coal) and trace organics were encountered in the upper 2 feet at GP-6. These soils were underlain by brown fine to medium sand and occasional coarse gravel and trace brick to approximately 8 feet bgs. Brown fine sand with trace silt and brick with occasional coarse gravel was encountered from approximately 8 to 12 feet bgs where the boring was terminated. The soils became wet at approximately 4 feet bgs. Petrochemical odors or staining were not encountered in the soils recovered from GP-6.

The subsurface exploration logs are included in Appendix C.

Soil borings GP-1 (MW-1), GP-3 (MW-3), GP-4 (MW-4) and GP-6 (MW-6) were converted to one-inch diameter monitoring wells constructed of PVC well screen and riser pipe. The monitoring wells located in the paved areas (MW-1, MW-3 and MW-4) were finished at grade with flush mounted curb boxes. Monitoring well construction logs are included in Appendix D.

3.3 Soil Screening Results

The PID readings for the soil samples collected from the borings were less than 1 parts per million (ppm) above background with the exception of three (3) sample intervals from GP-4. The table below provides a summary of sample intervals exhibiting elevated PID readings and/or evidence of petroleum related impacts.

TABLE 3.3-1
SUMMARY OF ELEVATED PID READINGS

Exploration No. (feet bgs)	PID Reading*	Background Reading*	Remarks
GP-3 (4-5)	0.5	0.1	Petrochemical-waste oil odor/little black staining (lab)
GP-3 (5-8)	0.2	0.1	Faint petrochemical odor/no staining
GP-4 (15-16)	380.4	0.1	Petrochemical odor/black staining (lab)
GP-4 (16-18)	96.4	0.1	Petrochemical odor/black staining
GP-4 (18-20)	28.8	0.1	Faint petrochemical odor/little grey staining

*Values shown in parts per million
Lab = Sample interval submitted for laboratory analysis

The samples with the highest PID reading were selected for laboratory analysis. Petrochemical type odors or staining were not noted in the soil samples recovered from the remaining borings.

The Organic Vapor Headspace Analysis Log is included in Appendix E.

3.4 Groundwater Conditions

Groundwater conditions were assessed during the collection of groundwater samples from the monitoring wells on Thursday, November 30, 2023. Petrochemical type odors or sheens were not noted in the groundwater samples collected from MW-1, MW-3 or MW-6. A slight petrochemical odor and a slight sheen were observed during sample collection from MW-4.

Groundwater was encountered from approximately 6.34 feet bgs (MW-6) to 13.24 feet bgs (MW-4) during groundwater sampling activities.

The direction of groundwater flow was not determined; however, groundwater flow is inferred to be to the northwest towards the Mohawk River.

4.0 ANALYTICAL RESULTS

4.1 Subsurface Soil

The soil samples collected from the borings were analyzed for TCL & CP-51 VOCs by EPA Method 8260, CP-51 SVOCs by EPA Method 8270 and TAL metals. The sample from GP-1 was also analyzed for PCBs by EPA 8082. The results are summarized below.

VOCs

VOCs were not detected above the laboratory method detection limit in the samples collected from GP-1, GP-2, GP-3, GP-5 or GP-6.

One (1) VOC was detected in the sample from GP-4 (10-11). Naphthalene was detected at an estimated concentration of 0.0012 ppm below the NYSDEC's Unrestricted Use/CP-51 Soil Cleanup Objective (SCO)[1] of 12 ppm.

Fifteen (15) VOCs were detected in the sample from GP-4 (15-16). Of those, two (2) were detected at concentrations exceeding NYSDEC's Unrestricted Use/CP-51 SCOs. The are:

- n-Propylbenzene was detected at a concentration of 7 ppm as compared to the Unrestricted Use/CP-51 SCO of 3.9 ppm; and
- 1,2,4-Trimethylbenzene was detected at a concentration of 9.2 ppm as compared to the Unrestricted Use/CP-51 SCO of 3.6 ppm.

SVOCs

SVOCs were not detected above the laboratory method detection limit in the soil samples collected from GP-2; however, eight or more SVOCs were detected in the remaining soil samples. The concentrations of the SVOCs in the samples collected from GP-1, GP-3, GP-6 and B-102 were below their respective NYSDEC Unrestricted Use/CP-51 SCOs.

Seven (7) SVOCs were detected in the sample collected from GP-4 (10-11) exceeding their respective NYSDEC Unrestricted Use/CP-51 SCO as follows:

[1] Unrestricted Use Soil Cleanup Objectives refer to: 6NYCRR Part 375, December 14, 2006, Table 375-6.8(a), & CP-51 Soil Cleanup Objectives refer to: CP-51/Soil Cleanup Guidance, October 21, 2010, Tables 2 & 3

- Benzo(a)anthracene was detected at a concentration of 21 ppm above the Unrestricted Use/CP-51 SCO of 1 ppm. It is noted that this concentration also exceeds the Industrial Use SCO of 11 ppm.
- Benzo(a)pyrene was detected at a concentration of 21 ppm above the Unrestricted Use/CP-51 SCO of 1 ppm. It is noted that this concentration also exceeds the Industrial Use SCO of 1.1 ppm.
- Benzo(b)fluoranthene was detected at a concentration of 22 ppm above the Unrestricted Use/CP-51 SCO of 1 ppm. It is noted that this concentration also exceeds the Industrial Use SCO of 11 ppm.
- Benzo(k)fluoranthene was detected at a concentration of 6.9 ppm above the Unrestricted Use/CP-51 SCO of 0.8 ppm. This concentration also exceeds the Restricted Residential SCO of 3.9 ppm.
- Chrysene was detected at a concentration of 20 ppm above the Unrestricted Use/CP-51 SCO of 1 ppm. This concentration also exceeds the Restricted Residential SCO of 3.9 ppm.
- Dibenzo(a,h)anthracene was detected at a concentration of 2.8 ppm above the Unrestricted Use/CP-51 SCO of 0.33 ppm. This concentration also exceeds the Industrial Use SCO of 1.1 ppm.
- Indeno(1,2,3-cd)pyrene was detected at a concentration of 10 ppm above the Unrestricted Use/CP-51 SCO of 0.5 ppm. This concentration also exceeds the Commercial Use SCO of 5.6 ppm.

Five (5) SVOCs were detected in the sample collected from GP-4 (15-16) exceeding their respective NYSDEC Unrestricted Use/CP-51 SCO as follows:

- Benzo(a)anthracene was detected at a concentration of 1.5 ppm above the Unrestricted Use/CP-51 SCO of 1 ppm. This concentration also exceeds the Residential and Restricted Residential Use SCOs of 1 ppm.
- Benzo(a)pyrene was detected at a concentration of 1.6 ppm above the Unrestricted Use/CP-51 SCO of 1 ppm. This concentration also exceeds the Industrial Use SCO of 1.1 ppm.
- Benzo(b)fluoranthene was detected at a concentration of 1.6 ppm above the Unrestricted Use/CP-51 SCO of 1 ppm. This concentration also exceeds the Residential and Restricted Residential Use SCOs of 1 ppm.

- Chrysene was detected at a concentration of 1.3 ppm above the Unrestricted Use/CP-51 SCO of 1 ppm. This concentration also exceeds the Residential Use SCO of 1 ppm.
- Indeno(1,2,3-cd)pyrene was detected at a concentration of 1 ppm above the Unrestricted Use/CP-51 SCO of 0.5 ppm. This concentration also exceeds the Residential and Restricted Residential Use SCOs of 0.5 ppm.

Five (5) SVOCs were detected in the sample collected from GP-5 exceeding their respective NYSDEC Unrestricted Use/CP-51 SCO as follows:

- Benzo(a)anthracene was detected at a concentration of 1.8 ppm above the Unrestricted Use/CP-51 SCO of 1 ppm. This concentration also exceeds the Residential and Restricted Residential Use SCOs of 1 ppm.
- Benzo(a)pyrene was detected at a concentration of 1.9 ppm above the Unrestricted Use/CP-51 SCO of 1 ppm. This concentration also exceeds the Industrial Use SCO of 1.1 ppm.
- Benzo(b)fluoranthene was detected at a concentration of 2.2 ppm above the Unrestricted Use/CP-51 SCO of 1 ppm. This concentration also exceeds the Residential and Restricted Residential Use SCOs of 1 ppm.
- Chrysene was detected at a concentration of 1.8 ppm above the Unrestricted Use/CP-51 SCO of 1 ppm. This concentration also exceeds the Residential Use SCO of 1 ppm.
- Indeno(1,2,3-cd)pyrene was detected at a concentration of 1.4 ppm above the Unrestricted Use/CP-51 SCO of 0.5 ppm. This concentration also exceeds the Residential and Restricted Residential Use SCOs of 0.5 ppm.

Metals

Up to 20 metals were detected in the soil samples submitted for laboratory analysis. Of those, copper, lead, mercury and zinc were detected in concentrations that exceeded their respective Unrestricted Use SCOs in two (2) or more samples summarized as follows:

Copper was detected in each of the soil samples collected from the borings ranging in concentrations from 14.3 ppm to 63.9 ppm. The concentrations exceeded the Unrestricted Use SCO of 50 ppm at two (2) locations: GP-1 at a concentration of 63.9 ppm and GP -5 at a concentration of 51.6 ppm.

Lead was detected in each of the soil samples collected from the borings ranging in concentrations of 33.2 ppm to 399 ppm. All but one (1) of the concentrations were above the Unrestricted Use SCO of 63 ppm. The highest concentration was detected in the sample collected from GP-4 (10-11). This concentration was noted to be just below the Residential and Restricted Residential Use SCOs of 400 ppm.

Mercury was detected in each of the soil samples ranging in concentrations of 0.075 ppm (estimated) to 30.9 ppm. The concentrations exceeded the Unrestricted Use SCO of 0.18 ppm at GP-1, GP-3, GP-4 (10-11) and GP-5. The highest concentration of mercury was detected at GP-4 (10-11) at a concentration of 30.9 ppm which also exceeds the Industrial Use SCO of 5.7 ppm.

Zinc was detected in each of the soil samples in concentrations ranging 48.3 ppm to 550 ppm with the samples from GP-4 (10-11), GP-5, GP-6 and B-102 exceeding the Unrestricted Use SCO of 109 ppm.

PCBs

PCBs were detected at an estimated concentration of 0.0103 ppm in the sample from GP-1. This concentration is below the Unrestricted Use of 0.1 ppm.

The results of the soil sampling are summarized in Table 4.1-1.

Full analytical results for the subsurface soil samples are presented in Appendix F.

4.2 Groundwater

The groundwater samples collected from MW-1, MW-3, MW-4 and MW-6 were analyzed for TCL/CP-51 VOCs by EPA Method 8260, CP-51 SVOCs by EPA Method 8270 and TAL metals. The sample from GP-1 was also analyzed for PCBs by EPA Method 8082.

VOCs

VOCs were not detected above the laboratory method detect limit in the groundwater samples collected from MW-1, MW-3 or MW-6.

Five (5) VOCs were detected in the groundwater samples collected from MW-4 with three (3) of the VOCs exceeding their groundwater standards as follows:

- n-Butylbenzene was detected at a concentration of 5.9 parts per billion (ppb) above the groundwater standard of 5 ppb.

- n-Propylbenzene was detected at a concentration of 12 ppb above the groundwater standard of 5 ppb.
- 1,2,4-Trimethylbenzene was detected at a concentration of 28 ppb above the groundwater standard of 5 ppb.

SVOCs

Four (4) SVOCs were detected in the sample collected from MW-1, with one (1) of the SVOCs detected above the groundwater guidance value as follows:

- Benzo(a)anthracene was detected at an estimated concentration of 0.03 ppb above the guidance value of 0.002 ppb.

Several SVOCs were detected in the samples collected from MW-3 and MW-4, with six (6) SVOCs detected above their respective groundwater standards/guidance values as follows:

- Benzo(a)anthracene was detected at estimated concentrations of 0.03 ppb and 0.05 ppb in the samples from MW-3 and MW-4 respectively, above the groundwater guidance value of 0.002 ppb.
- Benzo(a)pyrene was detected at an estimated concentrations of 0.02 ppb and 0.03 ppb in the samples from MW-3 and MW-4 respectively, above the groundwater standard of non-detect.
- Benzo(b)fluoranthene was detected at an estimated concentration of 0.04 ppb in both samples, above the guidance value of 0.002 ppb.
- Benzo(k)fluoranthene was detected at an estimated concentration of 0.01 ppb in both samples, above the guidance value of 0.002 ppb.
- Chrysene was detected at estimated concentrations of 0.02 ppb and 0.35 ppb in the samples from MW-3 and MW-4 respectively, above the guidance value of 0.002 ppb.
- Indeno(1,2,3-cd)pyrene was detected at an estimated concentration of 0.02 ppb in both samples, above the guidance value of 0.002 ppb.

SVOCs were not detected above the laboratory method detection limit in the sample collected from MW-6.

Metals

Up to 21 metals were detected in the groundwater samples submitted for laboratory analysis. Of those, iron, lead, manganese, selenium and sodium were detected in concentrations that exceeded their respective groundwater standards/guidance values in one (1) or more samples summarized as follows:

- Iron was detected in each of the groundwater samples ranging in concentrations from 586 ppb to 9,530 ppb above the groundwater standard of 300 ppb.
- Lead was detected in each of the groundwater samples exceeding the groundwater standard at one (1) location, MW-3, where it was detected at a concentration of 51.99 ppb above the groundwater standard of 25 ppb.
- Manganese was detected in each of the groundwater samples ranging in concentrations from 96.71 to 1,852 ppb with three (3) locations (MW-1, MW-3 and MW-4) exceeding the groundwater standard of 300 ppb.
- Selenium was detected in two (2) of the four (4) groundwater samples exceeding the groundwater standard in the sample from MW-1 at a concentration of 14 ppb as compared to the groundwater standard of 10 ppb.
- Sodium was detected in each of the groundwater samples ranging in concentrations from 83,400 to 354,000 ppb above the groundwater standard of 20,000 ppb.

PCBs

PCBs were not detected above the laboratory method detection limit in the sample from MW-1.

The results of the groundwater sampling are summarized in Table 4.2-1.

Full analytical results for the water samples are presented in Appendix G.

5.0 DISCUSSION OF EXCEEDANCES FROM PRIOR STUDIES

5.1 Remedial Investigation & Tank Closure Program Report September 2003

The Remedial Investigation & Tank Closure for Mohawk Honda, 728-756 State Street is documented in a report prepared by NETC dated September 22, 2003. The activities documented in the report were completed following a subsurface assessment at the facility in 2003. Of the addresses included in the report, it appears that 742 State Street was the subject of Soil Removal Area 1 (USTs 1 & 2) on the north/central portion of the parcel; Soil Removal Area 4 (UST 4), just west of Soil Removal Area 1; and Soil Removal Area 5 (where no UST was identified) on the northeastern portion of the parcel. Soil Removal Areas 2 and 3 were located on off-site parcels to the northwest of the subject property.

These activities were associated with Spill No. 0301751 which was issued a closed status on October 1, 2003, subsequent to the issuance of the Remedial Investigation & Tank Closure Report. Post excavation soil samples were collected following the removal of the impacted soils. Of the five (5) areas subject to soil removal activities two (2) of the locations reported exceedances of soil standards and were located within the bounds of the subject property as follows:

At Soil Removal Area 4 the following VOCs exceeded Unrestricted Use/CP-51 SCOs:

- Benzene was detected at a concentration of 0.172 ppm as compared to the Unrestricted Use/CP-51 SCO of 0.06 ppm.
- Toluene was detected at a concentration of 1.056 ppm as compared to the Unrestricted Use/CP-51 SCO of 0.7 ppm.
- Total xylenes were detected at a concentration of 1.948 ppm as compared to the Unrestricted Use/CP-51 SCO of 0.26 ppm.

At Soil Removal Area 5 the following SVOCs exceeded SCOs as follows:

- Benzo(a)anthracene was detected at a concentration of 2.975 ppm above the Residential and Restricted Residential Use SCOs of 1 ppm.
- Benzo(a)pyrene was detected at a concentration of 1.921 ppm above the Industrial Use SCO of 1.1 ppm.
- Benzo(b)fluoranthene was detected at a concentration of 3.592 ppm above the Residential and Restricted Residential Use SCOs of 1 ppm.

- Benzo(k)fluoranthene was detected at a concentration of 5.954 ppm above the Restricted Residential SCO of 3.9 ppm.
- Chrysene was detected at a concentration of 1.724 ppm above the Residential Use SCO of 1 ppm.
- Dibenzo(a,h)anthracene was detected at a concentration of 0.576 ppm above the Commercial Use SCOs of 0.56 ppm.

The Remedial Investigation & Tank Closure Report is included as a separate Exhibit to this report (Exhibit 1).

5.2 Phase II Environmental Site Assessment Report June 2023

The 2023 Phase II ESA report prepared by LaBella identified exceedances of standards, criteria and guidance values (SCGs) as summarized below:

Soil

At LaBella's B-1 location, advanced on the northern corner of the subject property proximate to State Street on the 742 State Street parcel, lead was detected at a concentration of 755 ppm exceeding the Residential and Restricted Residential SCOs of 400 ppm.

At LaBella's B-3 location, advanced on the southern portion of the 742 State Street parcel to the north of the subject property building, two (2) metals and six (6) SVOCs were detected at concentrations exceeding SCOs as follows:

- Lead was detected at a concentration of 198 ppm exceeding the Unrestricted Use SCO of 63 ppm.
- Mercury was detected at a concentration of 0.3 ppm exceeding the Unrestricted Use SCO of 0.18 ppm.
- Benzo(a)anthracene was detected at a concentration of 2.3 ppm above the Residential and Restricted Residential Use SCOs of 1 ppm.
- Benzo(a)pyrene was detected at a concentration of 2.5 ppm above the Industrial Use SCO of 1.1 ppm.
- Benzo(b)fluoranthene was detected at a concentration of 2.5 ppm above the Residential and Restricted Residential Use SCOs of 1 ppm.

- Benzo(k)fluoranthene was detected at a concentration of 0.88 ppm above the Unrestricted Use/CP-51 SCO of 0.8 ppm.
- Chrysene was detected at a concentration of 2.1 ppm above the Residential Use SCO of 1 ppm.
- Indeno(1,2,3-cd)pyrene was detected at a concentration of 1.7 ppm above the Residential and Restricted Residential Use SCOs of 0.5 ppm.

Groundwater

At LaBella's B-1 location, advanced on the northern corner of the subject property proximate to State Street on the 742 State Street parcel, lead was detected at a concentration of 1,310 ppb exceeding the groundwater standard of 25 ppb.

At LaBella's B-3 location, advanced on the southern portion of the 742 State Street parcel to the north of the subject property building five (5) metals exceeded their respective groundwater standards as follows:

- Arsenic was detected at a concentration of 34 ppb as compared to the groundwater standard of 25 ppb.
- Cadmium was detected at a concentration of 7 ppb as compared to the groundwater standard of 5 ppb.
- Chromium was detected at a concentration of 82 ppb as compared to the groundwater standard of 50 ppb.
- Lead was detected at a concentration of 1,870 as compared to the groundwater standard of 25 ppb.
- Mercury was detected at a concentration of 1.8 ppb as compared to the groundwater standard of 0.7 ppb.

At Labella's B-4 location, advanced on the 754 State Street parcel proximate to the suspect UST adjacent to the north of the subject property building, one (1) metal and five (5) VOCs were detected above groundwater standards as follows:

- Lead was detected at a concentration of 522 ppb as compared to the groundwater standard of 25 ppb.
- n-Butylbenzene was detected at a concentration of 6.0 parts ppb above the groundwater standard of 5 ppb.

- n-Propylbenzene was detected at a concentration of 47 ppb above the groundwater standard of 5 ppb.
- 1,2,4-Trimethylbenzene was detected at a concentration of 200 ppb above the groundwater standard of 5 ppb.
- Isopropylbenzene was detected at a concentration of 20 ppb above the groundwater standard of 5 ppb.
- sec-Butylbenzene was detected at a concentration of 6.6 ppb above the groundwater standard of 5 ppb.

The 2023 LaBella Phase II ESA report is included as a separate Exhibit to this report (Exhibit 2).

Figure 3 in Appendix A includes a summary of analytes in soils exceeding Unrestricted and Restricted-Residential Use SCOs relative to both the findings of this Phase II ESA and the two (2) prior investigations discussed above.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

A Phase II ESA has been conducted at the Schenectady 40 Anchor Site which included the completion of a GPR survey, and a subsurface investigation which included the advancement of six (6) soil borings of which four (4) were converted to monitoring wells; the collection of soil samples for field vapor screening and laboratory analysis; and the collection of groundwater samples for laboratory analysis.

Two (2) anomalies consistent with USTs were identified during the GPR survey. The first anomaly was identified on the northeastern portion of the subject property on the 742 State Street parcel. The anomaly measured approximately 13 feet long by approximately 5.5 feet wide. A linear anomaly was identified to the northwest of the first suspect UST, extending from the UST area to the northeast toward State Street. Although not confirmed, the linear anomaly is potentially associated with a supply line to a former pump island. The second anomaly was identified on the 754 State Street parcel to the north of the southwestern portion of the subject property building and measured approximately 30 feet long by approximately 9 feet wide. It is noted that a third anomaly, identified as a suspect UST in the LaBella Phase II ESA, was reported by GPRS to resemble a disturbance with varying soil densities potentially resembling a UST grave. Please note that the GPR survey is a field method used to identify anomalies which may or may not represent USTs, utility lines or other buried structures/vessels, and further, if anomalies are not identified such a result is not a guarantee that USTs or other features do not exist beneath the subject property.

The soils within the subject property and to the depths explored (up to 20 feet bgs) generally consisted of fine to coarse sand with silt and urban fill comprised of ash, brick, coal, concrete rubble, glass and slag. The PID readings for the soil samples collected from the borings were less than 1 ppm above background with the exception of three (3) sample intervals from GP-4 with readings up to 380.4 ppm. These samples also exhibited petrochemical type odors and staining. The sample with the highest PID reading from GP-4 (15-16 feet bgs) was submitted for laboratory analysis. GP-4 was advanced adjacent to the anomaly (suspect UST) on the 754 State Street parcel to the north of the southwestern portion of the subject property building. Although elevated PID readings were not recorded, a petrochemical type

odor was noted in the samples recovered from GP-3 from 4-8 feet bgs with the 4-5 foot interval exhibiting little black staining.

Groundwater was encountered from approximately 6.34 feet bgs to 13.24 feet bgs during groundwater sampling activities. Petrochemical type odors or sheens were not noted in the groundwater samples collected from MW-1, MW-3 or MW-6; however, a slight petrochemical odor and a slight sheen were observed during sample collection from MW-4.

Impacts to soils have been documented through various investigations at the subject property including post excavation samples for soil/UST removal activities conducted in 2003; the 2023 Phase II ESA conducted by LaBella, and as a function of this Phase II ESA. Impacts to soils appear to be related to a petroleum release at the suspect UST to the north of the southwestern portion of the subject property building as documented by VOCs above Unrestricted Use/CP-51 SCOs, and by the presence of fill materials on scattered portions of the subject property as documented by SVOCs and metals above Unrestricted Use SCOs. Select SVOCs and one (1) metal (mercury) are noted to exceed Industrial Use SCOs.

Similarly, impacts to groundwater have been documented through the LaBella Phase II ESA and as a function of this Phase II ESA. Petroleum related compounds were identified proximate to the suspect UST to the north of the southwestern portion of the subject property building. Metals and SVOCs were detected above groundwater standards/guidance values on various portions of the subject property.

6.2 Recommendations

As an active spill is listed for the subject property, this report should be submitted to Mr. Joshua Utberg of the NYSDEC (joshua.utberg@dec.ny.gov) for review and comment and to determine if additional investigation or remedial activities are required by NYSDEC.

At a minimum, the following are recommended:

- The presence of the suspect UST on the 754 State Street parcel adjacent to the north side of the southwestern portion of the subject property building should be confirmed, and if present, removed along with the known petroleum impacted soils and groundwater, as required by NYSDEC.

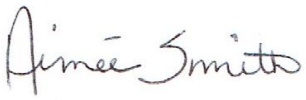
- The presence of the suspect UST on the northeastern portion of the subject property on the 742 State Street parcel should be confirmed, and if present, removed. Although petroleum impacted soil was not identified proximate to this UST during LaBella's Phase II ESA activities, there may be localized impacts which should be addressed during the removal of the UST. Additionally, the adjacent linear anomaly should be assessed, and if associated with a fuel line associated with the UST removed along with impacted soil, if any. If associated with a fuel line for the UST the termination point (i.e. potential former pump island) should also be assessed for evidence of impacts.
- The third anomaly area within the subject property on the north-central portion of the 742 State Street parcel should be assessed to determine if a UST is located within this area of the subject property, and if present, removed. As with the second anomaly area, impacts to soils were not identified during LaBella's Phase II ESA; however, if a UST is present, localized impacts to soil have the potential to be present and should be removed if encountered.
- VOCs above NYSDEC's Unrestricted Use/CP-51 SCOs were allowed to remain in place on the north-central portion of the subject property on the 742 State Street parcel following remedial activities in 2003. The associated NYSDEC spill number was issued a closed status not requiring these soils to be removed; however, if future development activities disturb these soils, they should be addressed at that time.
- Similarly, SVOCs above NYSDEC's Unrestricted Use/CP-51 SCOs were allowed to remain in place on the northeastern portion of the subject property on the 742 State Street parcel following remedial activities in 2003. The presence of similar concentrations of SVOCs were identified on various portions of the subject property as both a function of this Phase II ESA and LaBella's 2023 Phase II ESA and may be as a result of the fill materials which appear to be present throughout the subject property. In addition to SVOCs, select metals were also identified in elevated concentrations in soils. Consideration of the soil/fill will be necessary for future development activities due to the elevated concentrations of metals and SVOCs.
- Additionally, SVOCs and metals have been detected in groundwater above NYSDEC groundwater standard and guidance values, in addition to the VOCs

identified in the area of the suspect UST. Although some of the metals may be naturally occurring (iron, manganese and sodium) other metals present in groundwater may be related to the presence of the fill materials within the subject property. Consideration of the groundwater will be necessary for future development activities due to the elevated concentrations of metals and SVOCs.

It is understood that the subject property is being contemplated for the NYSDEC BCP. Remedial investigations and actions for the subject property will be prescribed through the BCP program.

The findings and conclusions of this Phase II ESA represent the site conditions as disclosed through the investigations performed at the time completed, and may not be representative of the entire site. No other warranties expressed or implied are made. If you have any questions regarding this report, please contact this office at (518) 786-7400.

Respectfully submitted,
C.T. MALE ASSOCIATES



Aimee Smith
Project Manager

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TABLES

TABLE 4.1-1: Summary of Subsurface Soil Sampling Results & Regulatory Values

TABLE 4.2-1: Summary of Groundwater Sampling Results & Regulatory Values

TABLE 4.1-1
SUMMARY OF SOIL SAMPLING RESULTS AND REGULATORY VALUES
PHASE II ENVIRONMENTAL SITE ASSESSMENT
SCHENECTADY 40 ANCHOR SITE

					SAMPLE ID	GP-1 13-16.5			GP-2 7-7.5			GP-3 4-5			GP-4 10-11			GP-4 15-16			GP-5 1-2			GP-6 0-2			B102_8-10		
					LAB ID	L2370406-01			L2370406-02			L2370406-03			L2370406-04			L2370406-05			L2370406-06			L2370406-07			L2373704-01		
					COLLECTION DATE	11/29/2023			11/29/2023			11/29/2023			11/29/2023			11/29/2023			11/29/2023			11/29/2023			12/13/2023		
ANALYTE	**NY-UNRES**	**NY-RESR**	**NY-RESRR**	**NY-RESC**	**NY-RESI**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
VOLATILE ORGANICS BY EPA 5035																													
Toluene	0.7	100	100	500	1000	ND		0.001	ND		0.0013	ND		0.00097	ND		0.0015	0.042	J	0.056	ND		0.00092	ND		0.00094	-	-	-
Ethylbenzene	1	30	41	390	780	ND		0.001	ND		0.0013	ND		0.00097	ND		0.0015	0.029	J	0.056	ND		0.00092	ND		0.00094	-	-	-
p/m-Xylene	NS	NS	NS	NS	NS	ND		0.002	ND		0.0026	ND		0.0019	ND		0.003	0.08	J	0.11	ND		0.0018	ND		0.0019	-	-	-
o-Xylene	NS	NS	NS	NS	NS	ND		0.001	ND		0.0013	ND		0.00097	ND		0.0015	0.027	J	0.056	ND		0.00092	ND		0.00094	-	-	-
n-Butylbenzene	12	100	100	500	1000	ND		0.001	ND		0.0013	ND		0.00097	ND		0.0015	8.9		0.056	ND		0.00092	ND		0.00094	-	-	-
sec-Butylbenzene	11	100	100	500	1000	ND		0.001	ND		0.0013	ND		0.00097	ND		0.0015	3.1		0.056	ND		0.00092	ND		0.00094	-	-	-
tert-Butylbenzene	5.9	100	100	500	1000	ND		0.002	ND		0.0026	ND		0.0019	ND		0.003	0.077	J	0.11	ND		0.0018	ND		0.0019	-	-	-
Isopropylbenzene	NS	NS	NS	NS	NS	ND		0.001	ND		0.0013	ND		0.00097	ND		0.0015	1.4		0.056	ND		0.00092	ND		0.00094	-	-	-
p-Isopropyltoluene	NS	NS	NS	NS	NS	ND		0.001	ND		0.0013	ND		0.00097	ND		0.0015	0.056		0.056	ND		0.00092	ND		0.00094	-	-	-
Naphthalene	12	100	100	500	1000	ND		0.0041	ND		0.0051	ND		0.0039	0.0012	J	0.006	0.68		0.22	ND		0.0037	ND		0.0038	-	-	-
n-Propylbenzene	3.9	100	100	500	1000	ND		0.001	ND		0.0013	ND		0.00097	ND		0.0015	7		0.056	ND		0.00092	ND		0.00094	-	-	-
1,3,5-Trimethylbenzene	8.4	47	52	190	380	ND		0.002	ND		0.0026	ND		0.0019	ND		0.003	0.026	J	0.11	ND		0.0018	ND		0.0019	-	-	-
1,2,4-Trimethylbenzene	3.6	47	52	190	380	ND		0.002	ND		0.0026	ND		0.0019	ND		0.003	9.2		0.11	ND		0.0018	ND		0.0019	-	-	-
Cyclohexane	NS	NS	NS	NS	NS	ND		0.01	ND		0.013	ND		0.0097	ND		0.015	0.12	J	0.56	ND		0.0092	ND		0.0094	-	-	-
Methyl cyclohexane	NS	NS	NS	NS	NS	ND		0.0041	ND		0.0051	ND		0.0039	ND		0.006	0.28		0.22	ND		0.0037	ND		0.0038	-	-	-
SEMIVOLATILE ORGANICS BY GC/MS																													
Acenaphthene	20	100	100	500	1000	ND		0.15	ND		0.17	ND		0.15	2.4		1.7	0.13	J	0.15	0.041	J	0.14	ND		0.16	ND		0.15
Fluoranthene	100	100	100	500	1000	0.18		0.11	ND		0.13	0.26		0.11	46		1.2	3.1		0.11	2.6		0.11	0.079	J	0.12	0.084	J	0.11
Naphthalene	12	100	100	500	1000	ND		0.19	ND		0.22	ND		0.19	1.5	J	2.1	0.75		0.18	0.13	J	0.18	ND		0.2	ND		0.18
Benzo(a)anthracene	1	1	1	5.6	11	0.051	J	0.11	ND		0.13	0.092	J	0.11	21		1.2	1.5		0.11	1.8		0.11	0.041		0.12	0.04	J	0.11
Benzo(a)pyrene	1	1	1	1	1.1	0.061	J	0.15	ND		0.17	0.11	J	0.15	21		1.7	1.6		0.15	1.9		0.14	ND		0.16	ND		0.15
Benzo(b)fluoranthene	1	1	1	5.6	11	0.11		0.11	ND		0.13	0.16		0.11	22		1.2	1.6		0.11	2.2		0.11	0.056	J	0.12	0.054	J	0.11
Benzo(k)fluoranthene	0.8	1	3.9	56	110	0.031	J	0.11	ND		0.13	0.05	J	0.11	6.9		1.2	0.52		0.11	0.6		0.11	ND		0.12	ND		0.11
Chrysene	1	1	3.9	56	110	0.11		0.11	ND		0.13	0.14		0.11	20		1.2	1.3		0.11	1.8		0.11	0.045	J	0.12	0.036		0.011
Acenaphthylene	100	100	100	500	1000	ND		0.15	ND		0.17	ND		0.15	1.6	J	1.7	0.52		0.15	0.49		0.14	ND		0.16	ND		0.15
Anthracene	100	100	100	500	1000	ND		0.11	ND		0.13	ND		0.11	8.3		1.2	0.77		0.11	0.39		0.11	ND		0.12	ND		0.11
Benzo(ghi)perylene	100	100	100	500	1000	0.059	J	0.15	ND		0.17	0.085	J	0.15	12		1.7	0.95		0.15	1.3		0.14	0.047	J	0.16	0.028	J	0.15
Fluorene	30	100	100	500	1000	ND		0.19	ND		0.22	ND		0.19	3		2.1	0.37		0.18	0.064	J	0.18	ND		0.2	ND		0.18
Phenanthrene	100	100	100	500	1000	0.082	J	0.11	ND		0.13	0.093	J	0.11	34		1.2	2.3		0.11	0.79		0.11	0.051	J	0.12	0.026	J	0.11
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.56	1.1	ND		0.11	ND		0.13	ND		0.11	2.8		1.2	0.18		0.11	0.26		0.11	ND		0.12	ND		0.11
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	5.6	11	0.048	J	0.15	ND		0.17	0.076	J	0.15	10		1.7	1		0.15	1.4		0.14	0.038	J	0.16	0.032	J	0.15
Pyrene	100	100	100	500	1000	0.15		0.11	ND		0.13	0.21		0.11	45		1.2	2.9		0.11	3		0.11	0.068	J	0.12	0.075	J	0.11
POLYCHLORINATED BIPHENYLS BY GC																													
Aroclor 1254	0.1	1	1	1	25	0.0103	J	0.0552	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs, Total	0.1	1	1	1	25	0.0103	J	0.0552	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

All values are shown in mg/kg or parts per million.

Shaded values exceed their respective SCOs

Only the compounds that were detected are listed.

ND = Not Detected above the laboratory method detection limit

NS = No Standard

J = Estimated Value

NY-UNRES= New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

NY-RESR = New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

NY-RESRR = New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

NY-RESC = New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

NY-RESI = New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

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						LAB ID	L2370406-01			L2370406-02			L2370406-03			L2370406-04			L2370406-05			L2370406-06			L2370406-07			L2373704-01		
						COLLECTION DATE	11/29/2023			11/29/2023			11/29/2023			11/29/2023			11/29/2023			11/29/2023			11/29/2023			12/13/2023		
ANALYTE	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI		Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
TOTAL METALS																														
Antimony, Total	NS	NS	NS	NS	NS		0.65	J	4.47	1.01	J	5.01	1.16	J	4.39	3.65	J	5.04	0.383	J	4.32	1.37	J	4.14	1.18	J	4.63	ND		4.19
Arsenic, Total	13	16	16	16	16		5.14		0.895	7.82		1	8.4		0.878	12.3		1.01	2.09		0.864	8.12		0.829	8.36		0.927	4.82		0.838
Barium, Total	350	350	400	400	10000		78.1		0.895	61.9		1	56.6		0.878	59.3		1.01	23.5		0.864	96.1		0.829	42.5		0.927	56.4		0.838
Beryllium, Total	7.2	14	72	590	2700		0.453		0.447	0.982		0.501	0.463		0.439	0.457	J	0.504	0.327	J	0.432	0.456		0.414	0.466		0.463	0.261	J	0.419
Cadmium, Total	2.5	2.5	4.3	9.3	60		0.14	J	0.895	0.14	J	1	0.324	J	0.878	1.29		1.01	0.105	J	0.864	0.309	J	0.829	0.367	J	0.927	0.379	J	0.838
Calcium, Total	NS	NS	NS	NS	NS		32600		8.95	4220		10	43400		8.78	5950		10.1	5460		8.64	13000		8.29	104000		9.27	12700		8.38
Chromium, Total	NS	NS	NS	NS	NS		9.01		0.895	10.5		1	12		0.878	8.43		1.01	5.52		0.864	8.11		0.829	16.3		0.927	5.63		0.838
Cobalt, Total	NS	NS	NS	NS	NS		4.26		1.79	8.54		2	6.45		1.76	5.21		2.02	3.1		1.73	4.93		1.66	11.8		1.85	3.38		0.838
Copper, Total	50	270	270	270	10000		63.9		0.895	31.1		1	25.8		0.878	48.1		1.01	9.77		0.864	51.6		0.829	30.6		0.927	14.3		0.838
Iron, Total	NS	NS	NS	NS	NS		10900		4.47	12200		5.01	14500		4.39	19300		5.04	9480		4.32	13300		4.14	26700		46.3	10100		4.19
Lead, Total	63	400	400	1000	3900		90.3		4.47	103		5.01	148		4.39	399		5.04	33.2		4.32	249		4.14	101		4.63	99.6		4.19
Magnesium, Total	NS	NS	NS	NS	NS		4030		8.95	967		10	11800		8.78	1040		10.1	1800		8.64	1840		8.29	12400		9.27	2890		8.38
Manganese, Total	1600	2000	2000	10000	10000		235		0.895	284		1	328		0.878	156		1.01	143		0.864	187		0.829	447		0.927	206		0.838
Mercury, Total	0.18	0.81	0.81	2.8	5.7		0.183		0.077	0.134		0.091	0.288		0.077	30.9		0.903	0.075	J	0.077	0.739		0.072	0.126		0.078	0.167		0.071
Nickel, Total	30	140	310	310	10000		9.31		2.24	17.7		2.5	14.7		2.2	10.7		2.52	6.86		2.16	10.4		2.07	29.4		2.32	7.96		2.1
Potassium, Total	NS	NS	NS	NS	NS		545		224	628		250	544		220	323		252	256		216	441		207	611		232	317		210
Selenium, Total	3.9	36	180	1500	6800		ND		1.79	ND		2	0.863	J	1.76	0.709	J	2.02	0.406	J	1.73	0.356	J	1.66	ND		1.85	0.247	J	1.68
Sodium, Total	NS	NS	NS	NS	NS		420		179	236		200	272		176	134	J	202	55.6	J	173	206		166	69.5	J	185	286		168
Vanadium, Total	NS	NS	NS	NS	NS		17.9		0.895	22.4		1	15.7		0.878	13.9		1.01	11.3		0.864	19.3		0.829	18.1		0.927	10.1		0.838
Zinc, Total	109	2200	10000	10000	10000		64.2		4.47	75.2		5.01	82.2		4.39	550		5.04	48.3		4.32	178		4.14	110		4.63	109		4.19

All values are shown in mg/kg or parts per million.
Shaded values exceed their respective SCOs
Only the compounds that were detected are listed.
ND = Not Detected above the laboratory method detection limit
NS = No Standard
J = Estimated Value
NY-UNRES= New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESR = New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESRR = New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESC = New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESI = New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

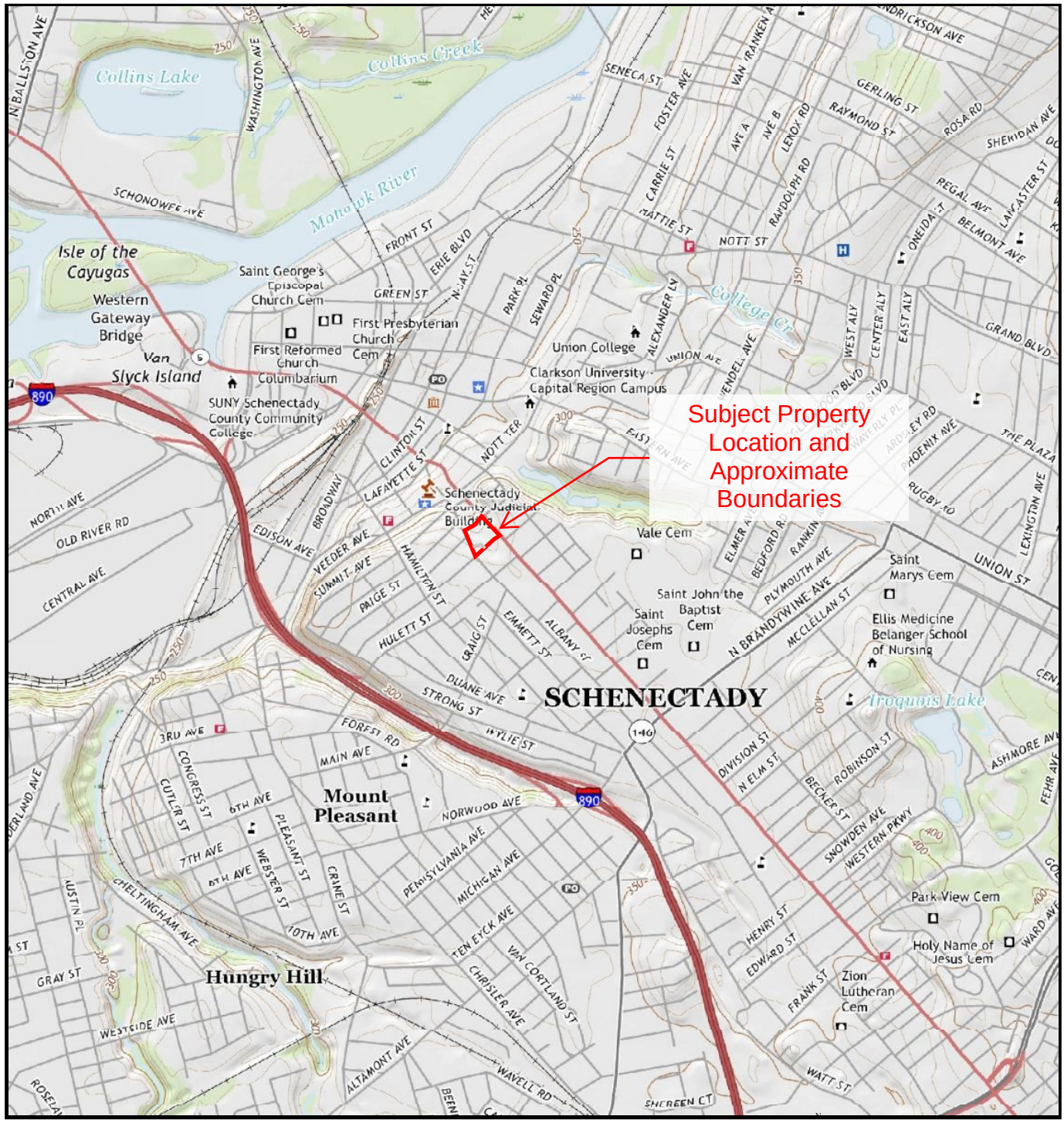
TABLE 4.2-1
SUMMARY OF GROUNDWATER RESULTS AND REGULATORY VALUES
PHASE II ENVIRONMENTAL SITE ASSESSMENT
SCHENECTADY ANCOR 40 SITE

	SAMPLE ID:	TRIP BLANK			MW-1			MW-3			MW-4			MW-6		
	LAB ID:	L2370570-01			L2370570-02			L2370570-03			L2370570-04			L2370570-05		
	COLLECTION DATE:	11/30/2023			11/30/2023			11/30/2023			11/30/2023			11/30/2023		
ANALYTE	**NY-AWQS**	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
VOLATILE ORGANICS BY GC/MS																
n-Butylbenzene	5	ND		2.5	ND		2.5	ND		2.5	5.9		2.5	ND		2.5
sec-Butylbenzene	5	ND		2.5	ND		2.5	ND		2.5	4.8		2.5	ND		2.5
Isopropylbenzene	5	ND		2.5	ND		2.5	ND		2.5	3.8		2.5	ND		2.5
n-Propylbenzene	5	ND		2.5	ND		2.5	ND		2.5	12		2.5	ND		2.5
1,2,4-Trimethylbenzene	5	ND		2.5	ND		2.5	ND		2.5	28		2.5	ND		2.5
SEMIVOLATILE ORGANICS BY GC/MS-SIM																
Acenaphthene	20 (GV)	-		-	0.02	J	0.1	ND		0.1	0.13		0.1	ND		0.1
Fluoranthene	50 (GV)	-		-	ND		0.1	0.06	J	0.1	0.2		0.1	ND		0.1
Naphthalene	10 (GV)	-		-	ND		0.1	ND		0.1	0.15		0.1	ND		0.1
Benzo(a)anthracene	0.002 (GV)	-		-	0.03	J	0.1	0.03	J	0.1	0.05	J	0.1	ND		0.1
Benzo(a)pyrene	0	-		-	ND		0.1	0.02	J	0.1	0.03	J	0.1	ND		0.1
Benzo(b)fluoranthene	0.002 (GV)	-		-	ND		0.1	0.04	J	0.1	0.04	J	0.1	ND		0.1
Benzo(k)fluoranthene	0.002 (GV)	-		-	ND		0.1	0.01	J	0.1	0.01	J	0.1	ND		0.1
Chrysene	0.002 (GV)	-		-	ND		0.1	0.02	J	0.1	0.03	J	0.1	ND		0.1
Acenaphthylene	NS	-		-	0.02	J	0.1	ND		0.1	0.05	J	0.1	ND		0.1
Anthracene	50 (GV)	-		-	ND		0.1	ND		0.1	0.06	J	0.1	ND		0.1
Benzo(ghi)perylene	NS	-		-	ND		0.1	0.02	J	0.1	0.02	J	0.1	ND		0.1
Fluorene	50 (GV)	-		-	0.02	J	0.1	ND		0.1	0.11		0.1	ND		0.1
Phenanthrene	50 (GV)	-		-	ND		0.1	0.04	J	0.1	0.34		0.1	ND		0.1
Indeno(1,2,3-cd)pyrene	0.002 (GV)	-		-	ND		0.1	0.02	J	0.1	0.02	J	0.1	ND		0.1
Pyrene	50 (GV)	-		-	ND		0.1	0.05	J	0.1	0.15		0.1	ND		0.1
POLYCHLORINATED BIPHENYLS BY GC (not detected above the laboratory method detection limit (analyzed for MW-1)																
TOTAL METALS																
Aluminum, Total	NS	-		-	3050		10	3860		10	892		10	192		10
Antimony, Total	3	-		-	ND		4	0.54	J	4	ND		4	ND		4
Arsenic, Total	25	-		-	4.27		0.5	5.26		0.5	5.03		0.5	0.53		0.5
Barium, Total	1000	-		-	116.6		0.5	100.2		0.5	59.76		0.5	31.95		0.5
Beryllium, Total	3 (GV)	-		-	0.36	J	0.5	0.43	J	0.5	ND		0.5	ND		0.5
Cadmium, Total	5	-		-	0.2		0.2	0.15	J	0.2	ND		0.2	ND		0.2
Calcium, Total	NS	-		-	207000		100	153000		100	138000		100	120000		100
Chromium, Total	50	-		-	6.42		1	6.26		1	1.29		1	1.04		1
Cobalt, Total	NS	-		-	5.67		0.5	4.54		0.5	1.71		0.5	0.74		0.5
Copper, Total	200	-		-	15.18		1	20.87		1	3.71		1	1.11		1
Iron, Total	300	-		-	9440		50	9530		50	4710		50	586		50
Lead, Total	25	-		-	18.29		1	51.99		1	20.67		1	0.98	J	1
Magnesium, Total	35000 (GV)	-		-	24300		70	22000		70	11700		70	18300		70
Manganese, Total	300	-		-	599.8		1	529.8		1	1852		1	96.74		1
Mercury, Total	0.7	-		-	ND		0.2	0.22		0.2	ND		0.2	ND		0.2
Nickel, Total	100	-		-	8.2		2	8.6		2	1.93	J	2	1.24	J	2
Potassium, Total	NS	-		-	3750		100	5490		100	5470		100	6340		100
Selenium, Total	10	-		-	14		5	9.53		5	ND		5	ND		5
Sodium, Total	20000	-		-	271000		1000	354000		1000	83400		100	263000		1000
Vanadium, Total	NS	-		-	9.18		5	10.23		5	2.57	J	5	ND		5
Zinc, Total	2000 (GV)	-		-	37.28		10	56.7		10	15.74		10	5.56	J	10

Notes:
Results are shown in ug/l (microgram per liter) or parts per billion.
Shaded values denote exceedance of groundwater standard or guidance value.
Only those compounds detected are shown.
GV = Guidance Value
NS = No Standard or Guidance Value
ND = Not detected above the laboratory method detection limit
J = Estimated value
*TOGS 1.1.1 Ambient Water Quality Standards & Guidance Values & Groundwater Effluent Limitations, NYSDEC, June 1998 & Addendums April 2000 & June 2004

APPENDIX A

Figures/Maps



MAP REFERENCE
United States Geological Survey
7.5 Minute Series Topographic Map
Quadrangle: Schenectady, NY
Date: 2019

N

C.T.MALE ASSOCIATES
ENGINEERING, SURVEYING, ARCHITECTURE
LANDSCAPE ARCHITECTURE & GEOLOGY, D.P.C.

50 CENTURY HILL DRIVE
LATHAM, NY 12110

FIGURE 1 - SUBJECT PROPERTY LOCATION MAP

CITY OF SCHENECTADY	SCHENECTADY COUNTY, NY
SCALE: 1:24,000±	The locations and features depicted on this map are approximate and do not represent an actual survey.
DRAFTER: AS	
PROJECT No.: 23.3588	

Figure 2 - Sample Location Plan

LEGEND:

GP-1/MW-1 — Approximate Location and ID of Geoprobe Soil Boring Location Converted to a Monitoring Well

GP-2 — Approximate Location and ID of Geoprobe Soil Boring

B-102 — Approximate Location and ID of Geotechnical Soil Boring (only the boring sampled for the Phase II ESA Shown)

1:1,317

0 0.01 0.01 0.03 mi

0 0.01 0.03 0.05 km

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No Author

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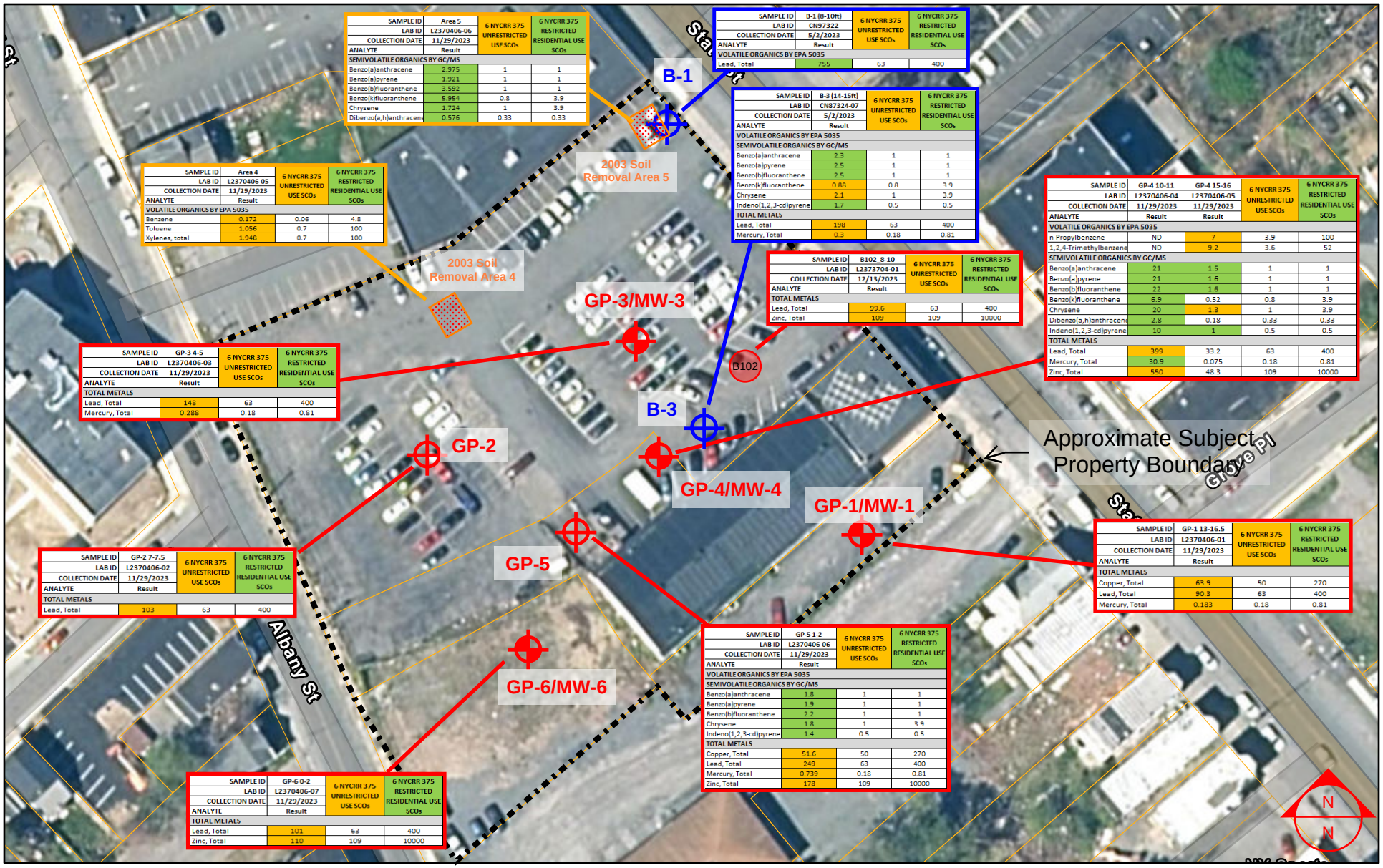
FIGURE 3
ANALYTES IN SOILS
EXCEEDING UNRESTRICTED AND RESTRICTED-RESIDENTIAL USE SOIL CLEANUP OBJECTIVES

ATTACHMENT 14



SAMPLE ID	Area 5	6 NYCRR 375 UNRESTRICTED USE SCOs	6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs
LAB ID	L2370406-06		
COLLECTION DATE	11/29/2023		
ANALYTE	Result		
SEMIVOLATILE ORGANICS BY GC/MS			
Benzo(a)anthracene	2.975	1	1
Benzo(a)pyrene	1.921	1	1
Benzo(b)fluoranthene	3.592	1	1
Benzo(k)fluoranthene	5.954	0.8	3.9
Chrysene	1.724	1	3.9
Dibenzo(a,h)anthracene	0.576	0.33	0.33

SAMPLE ID	B-1 (8-10ft)	6 NYCRR 375 UNRESTRICTED USE SCOs	6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs
LAB ID	CN97322		
COLLECTION DATE	5/2/2023		
ANALYTE	Result		
VOLATILE ORGANICS BY EPA 5035			
Lead, Total	755	63	400

SAMPLE ID	B-3 (14-15ft)	6 NYCRR 375 UNRESTRICTED USE SCOs	6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs
LAB ID	CN87324-07		
COLLECTION DATE	5/2/2023		
ANALYTE	Result		
VOLATILE ORGANICS BY EPA 5035			
SEMIVOLATILE ORGANICS BY GC/MS			
Benzo(a)anthracene	2.3	1	1
Benzo(a)pyrene	2.5	1	1
Benzo(b)fluoranthene	2.5	1	1
Benzo(k)fluoranthene	0.88	0.8	3.9
Chrysene	2.1	1	3.9
Indeno(1,2,3-cd)pyrene	1.7	0.5	0.5
TOTAL METALS			
Lead, Total	198	63	400
Mercury, Total	0.3	0.18	0.81

SAMPLE ID	Area 4	6 NYCRR 375 UNRESTRICTED USE SCOs	6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs
LAB ID	L2370406-05		
COLLECTION DATE	11/29/2023		
ANALYTE	Result		
VOLATILE ORGANICS BY EPA 5035			
Benzene	0.172	0.06	4.8
Toluene	1.056	0.7	100
Xylenes, total	1.948	0.7	100

SAMPLE ID	B102_8-10	6 NYCRR 375 UNRESTRICTED USE SCOs	6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs
LAB ID	L2373704-01		
COLLECTION DATE	12/13/2023		
ANALYTE	Result		
TOTAL METALS			
Lead, Total	99.6	63	400
Zinc, Total	109	109	10000

SAMPLE ID	GP-4 10-11	GP-4 15-16	6 NYCRR 375 UNRESTRICTED USE SCOs	6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs
LAB ID	L2370406-04	L2370406-05		
COLLECTION DATE	11/29/2023	11/29/2023		
ANALYTE	Result	Result		
VOLATILE ORGANICS BY EPA 5035				
n-Propylbenzene	ND	7	3.9	100
1,2,4-Trimethylbenzene	ND	9.2	3.6	52
SEMIVOLATILE ORGANICS BY GC/MS				
Benzo(a)anthracene	21	1.5	1	1
Benzo(a)pyrene	21	1.6	1	1
Benzo(b)fluoranthene	22	1.6	1	1
Benzo(k)fluoranthene	6.9	0.52	0.8	3.9
Chrysene	20	1.3	1	3.9
Dibenzo(a,h)anthracene	2.8	0.18	0.33	0.33
Indeno(1,2,3-cd)pyrene	10	1	0.5	0.5
TOTAL METALS				
Lead, Total	399	33.2	63	400
Mercury, Total	30.9	0.075	0.18	0.81
Zinc, Total	550	48.3	109	10000

SAMPLE ID	GP-3 4-5	6 NYCRR 375 UNRESTRICTED USE SCOs	6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs
LAB ID	L2370406-03		
COLLECTION DATE	11/29/2023		
ANALYTE	Result		
TOTAL METALS			
Lead, Total	148	63	400
Mercury, Total	0.288	0.18	0.81

SAMPLE ID	GP-1 13-16.5	6 NYCRR 375 UNRESTRICTED USE SCOs	6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs
LAB ID	L2370406-01		
COLLECTION DATE	11/29/2023		
ANALYTE	Result		
TOTAL METALS			
Copper, Total	63.9	50	270
Lead, Total	90.3	63	400
Mercury, Total	0.183	0.18	0.81

SAMPLE ID	GP-2 7-7.5	6 NYCRR 375 UNRESTRICTED USE SCOs	6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs
LAB ID	L2370406-02		
COLLECTION DATE	11/29/2023		
ANALYTE	Result		
TOTAL METALS			
Lead, Total	103	63	400

SAMPLE ID	GP-5 1-2	6 NYCRR 375 UNRESTRICTED USE SCOs	6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs
LAB ID	L2370406-06		
COLLECTION DATE	11/29/2023		
ANALYTE	Result		
VOLATILE ORGANICS BY EPA 5035			
SEMIVOLATILE ORGANICS BY GC/MS			
Benzo(a)anthracene	1.8	1	1
Benzo(a)pyrene	1.9	1	1
Benzo(b)fluoranthene	2.2	1	1
Chrysene	1.8	1	3.9
Indeno(1,2,3-cd)pyrene	1.4	0.5	0.5
TOTAL METALS			
Copper, Total	51.6	50	270
Lead, Total	249	63	400
Mercury, Total	0.739	0.18	0.81
Zinc, Total	178	109	10000

SAMPLE ID	GP-6 0-2	6 NYCRR 375 UNRESTRICTED USE SCOs	6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs
LAB ID	L2370406-07		
COLLECTION DATE	11/29/2023		
ANALYTE	Result		
TOTAL METALS			
Lead, Total	101	63	400
Zinc, Total	110	109	10000

LEGEND

- GP-1/MW-1 — Approximate Location and ID of Geoprobe Soil Boring Location Converted to a Monitoring Well
- GP-2 — Approximate Location and ID of Geoprobe Soil Boring
- B102 — Approximate Location and ID of Geotechnical Soil Boring (only the boring sampled for the Phase II ESA Shown)
- B-3 — Approximate Location and ID of Soil Boring Advanced as a function of LaBella's Phase II ESA
- Approximate Location of 2003 Soil Removal Area

1:1,317

0 0.01 0.01 0.03 mi

0 0.01 0.03 0.05 km

APPENDIX B

Ground Penetrating Radar Survey Report

ATTACHMENT 14

Summary of Underground Utility Locating for Soil Borings Summary of Scanning for Underground Storage Tanks (USTs)

Prepared For: CT Male Associates

Prepared By:
Jeffrey Lail
jeffrey.lail@gprsinc.com
Subsurface Consultant -Upstate NY
(845) 475-1107

November 6, 2023

November 6, 2023

CT Male Associates
Attn: Aimee Smith
Site: 756 State St. Schenectady, NY

We appreciate the opportunity to provide this report for our work completed on November 6, 2023.

PURPOSE

The purpose of the project was to search for underground utilities within a radius of approximately 5' around each proposed boring location. The scope of work consisted of 6 locations. The client marked the desired locations prior to our scanning and our markings were then placed onto the surface using spray paint.

The purpose of this project was to search for any suspected underground storage tanks (USTs) or suspected UST-related piping/anomalies remaining on the property. The scope of work consisted of 2 location(s) measuring approximately 5000 ft^2. The interiors of buildings were excluded from the scope of this project. The client marked the desired locations prior to our scanning and our markings were then placed onto the surface using spray paint.

EQUIPMENT

- **Underground Scanning GPR Antenna**. The antenna with frequencies ranging from 250 MHz-450 MHz is mounted in a stroller frame which rolls over the surface. The surface needs to be reasonably smooth and unobstructed in order to obtain readable scans. Obstructions such as curbs, landscaping, and vegetation will limit the feasibility of GPR. The data is displayed on a screen and marked in the field in real time. The total depth achieved can be as much as 8' or more with this antenna but can vary widely depending on the types of materials being scanned through. Some soil types such as clay may limit maximum depths to 3' or less. As depth increases, targets must be larger in order to be detected and non-metallic targets can be especially difficult to locate. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors. For more information, please visit: Link
- **Electromagnetic Pipe Locator**. The EM locator can passively detect the electromagnetic fields from live AC power or from radio signals travelling along some conductive utilities. It can also be used in conjunction with a transmitter to connect directly to accessible, metallic pipes or tracer wires. A current is sent through the pipe or tracer wire at a specific frequency and the resulting EM field can then be detected by the receiver. A utility's ability to be located depends on a variety of factors including access to the utility, conductivity, grounding, interference from other fields, and many others. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors. For more information, please visit: Link
- **GPS**. This handheld GPS unit offers accuracy down to 4 inches; however, the accuracy will depend on the satellite environment and obstructions and should not be considered to be survey-grade. Features can be collected as points, lines, or areas and then exported into Google Earth or overlaid on a CAD drawing. For more information, please visit: Link

PROCESS

The process typically begins with using the EM pipe locator to locate pipes or utilities throughout the scan area. First, the transmitter is used to connect to and trace any visible risers, tracer wires, or accessible, conductive utilities provided that there is an exposed, metallic surface. The areas are then swept with the receiver to detect live power or radio frequency signals. Locations and depths are painted or flagged on the surface. Depths cannot always be provided depending on the location method and can be prone to error.

Initial GPR scans were then collected in order to evaluate the data and calibrate the equipment. Based on these findings, a scanning strategy is formed, typically consisting of scanning the entire area in a grid with 5-foot scan spacing in order to locate any potential utilities that were not found with the pipe locator. The GPR data is viewed in real time and anomalies in the data are located and marked on the surface along with their depths using spray paint, pin flags, etc. A higher frequency concrete scanning antenna is typically used for locations that are placed on reinforced concrete.

The EM pipe locator was used to connect to accessible, traceable pipes that may be tank-related such as vent pipes or product lines. A current is induced onto the pipe which creates an electromagnetic field that can be traced using the receiver. We can then attempt to trace these pipes to their origin or end point and paint or flag their locations.

Initial GPR scans were collected in order to evaluate the data and calibrate the equipment. Based on these findings, a scanning strategy is formed, consisting of scanning the entire area in a grid with 5-foot scan spacing in order to locate any potential UST's that may remain at the site. The GPR data is viewed in real time and anomalies in the data were located and marked on the surface along with their depths using spray paint. Relevant scan examples were saved and will be provided in this report.

LIMITATIONS

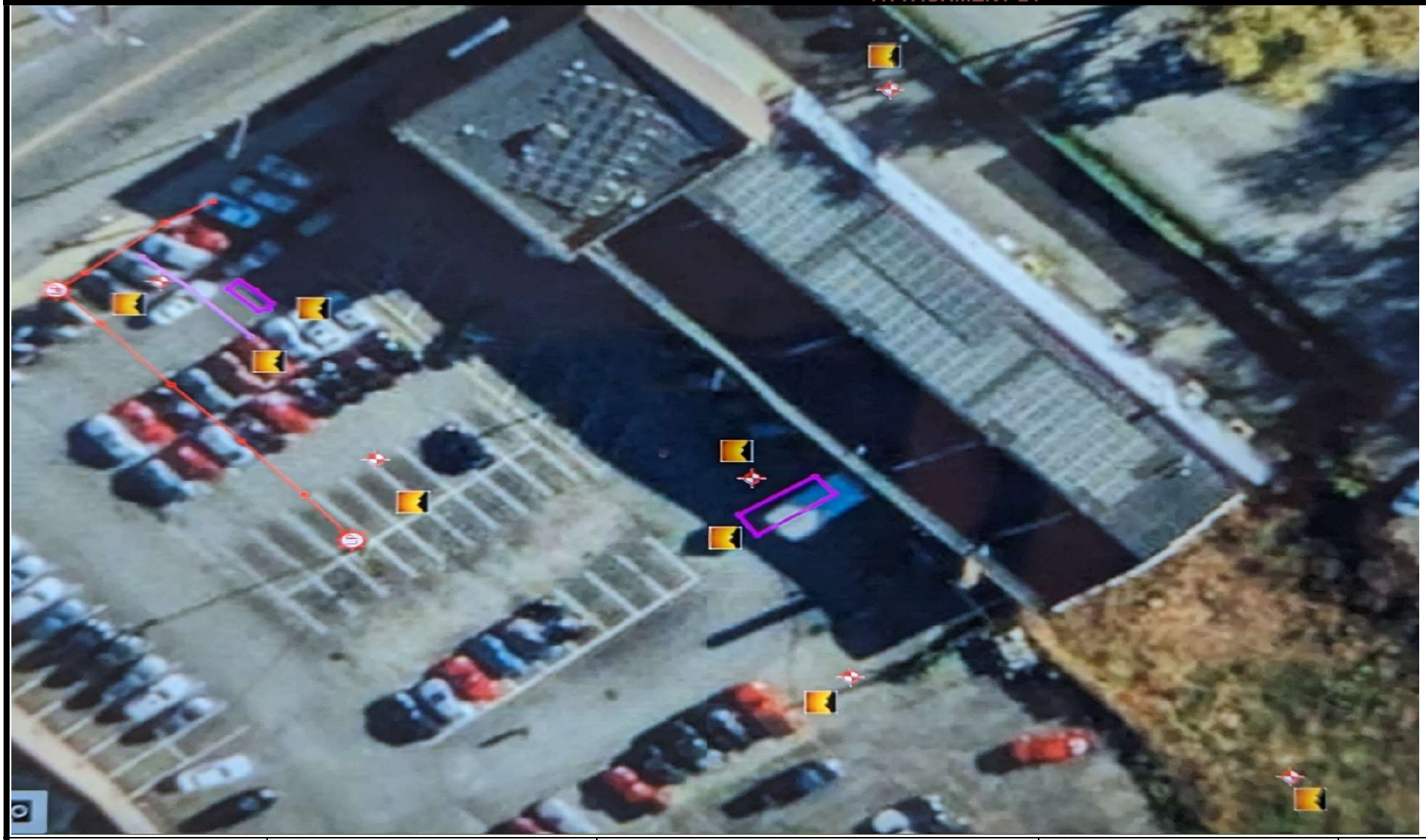
Please keep in mind that there are limitations to any subsurface investigation. The equipment may not achieve maximum effectiveness due to soil conditions, above ground obstructions, reinforced concrete, and a variety of other factors. No subsurface investigation or equipment can provide a complete image of what lies below. Our results should always be used in conjunction with as many methods as possible including consulting existing plans and drawings, exploratory excavation or potholing, visual inspection of above-ground features, and utilization of services such as One Call/811. Depths are dependent on the dielectric of the materials being scanned so depth accuracy can vary throughout a site. Relevant scan examples were saved and will be provided in this report.

Please keep in mind that there are limitations to any subsurface investigation. The equipment may not achieve maximum effectiveness due to soil conditions, above ground obstructions, reinforced concrete, and a variety of other factors. No subsurface investigation or equipment can provide a complete image of what lies below. Our results should always be used in conjunction with as many methods as possible including consulting existing plans and drawings, exploratory excavation or potholing, visual inspection of above-ground features, and utilization of services such as One Call/811. Depths are dependent on many factors so depth accuracy can vary throughout a site and should be treated as estimates only. Relevant scan examples were saved and will be provided in this report.

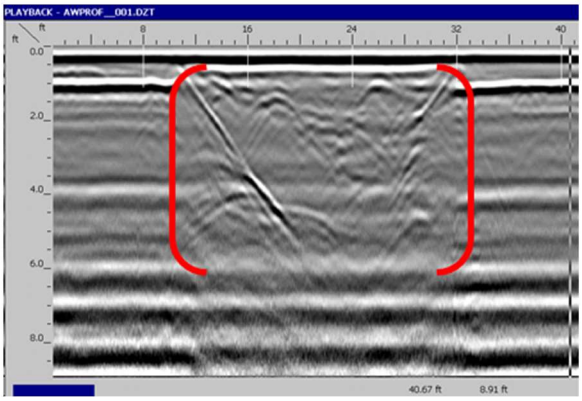
FINDINGS

The subsurface conditions at the time of the scanning allowed for maximum GPR depth penetration of 10 feet in most areas. Multiple utilities were able to be located and were either identified by type or marked as an unknown. Utilities that were able to be identified by type include electric. Unknowns marked within the scope of work may represent utilities, but they could not be traced to a termination point or identifying structure. The following pages will provide further explanation of the findings.

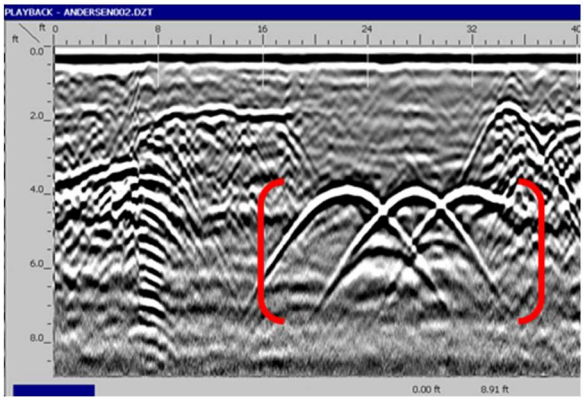
The subsurface conditions at the time of the scanning allowed for maximum GPR depth penetration of 10 feet in most areas. Multiple utilities were observed during the scanning; however, utility locating was not part of the scope of this project. The equipment and methods used did detect reactions from potential UST's. The following pages will provide further explanation of the findings.



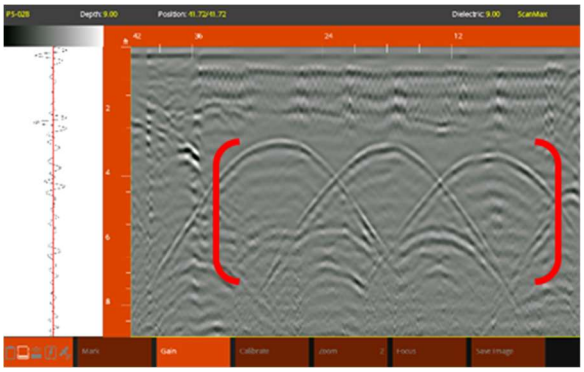
Prepared for: 'CT Male Associates Prepared By: Jeffrey Lail Date of Scanning: 11-6-2023	**Terms and Conditions** GPRS does not provide land survey or civil engineering data collection or documentation. This is provided as a reference map of the field markings and is not survey-grade.	**LEGEND**				756 State St. Schenectady, NY	Prepared by: GPRS
			ELECTRIC		SANITARY		
			WATER		STORM		
			COMM		UNKNOWN		
			GAS				



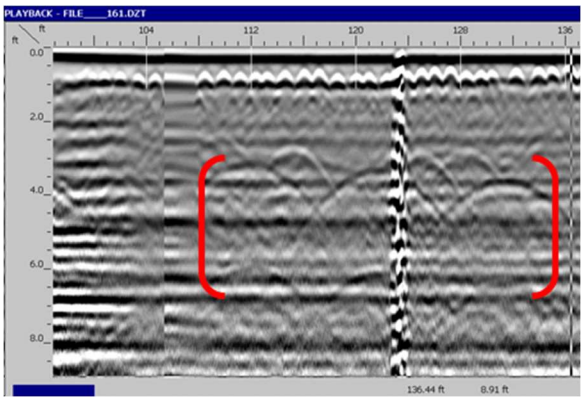
Sample GPR data screenshot showing a possible former tank pit or excavation. The change in the data from the excavation is apparent but GPR cannot determine whether this is due to a tank removal or whether tanks may still exist beyond the maximum depth penetration of the GPR signal.



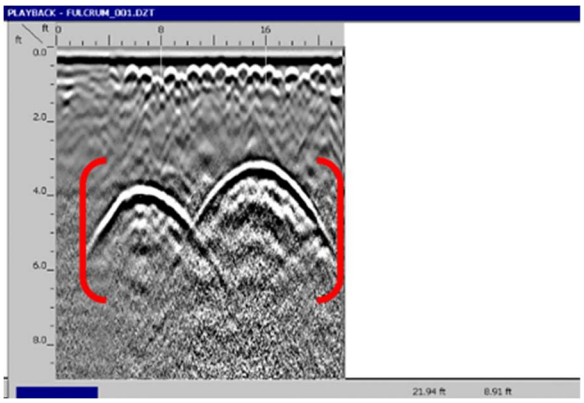
Sample GPR data screenshot showing three reactions from probable USTs. The diameters cannot be determined from these hyperbolas but they can be seen to be larger than a reaction from a typical utility.



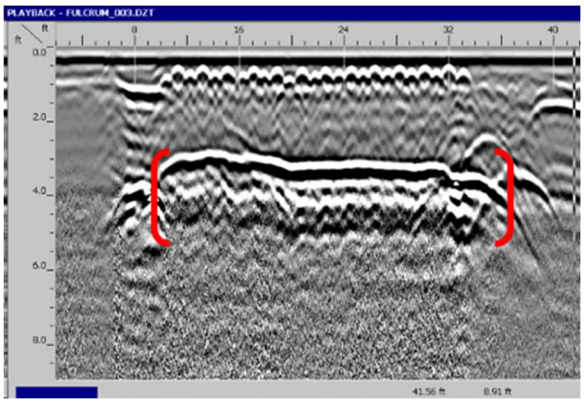
Sample GPR data screenshot showing three reactions from known USTs at an active fueling station. The concrete above the USTs is reinforced with wire mesh.



Sample GPR data screenshot showing three reactions from known USTs at an active fueling station. These USTs are non-metallic and therefore have a weaker reflection that is more difficult and sometimes impossible to identify in the GPR data.



Sample GPR data screenshot showing two potential USTs. These reactions are larger than a typical utility but large utilities can look identical to a UST.

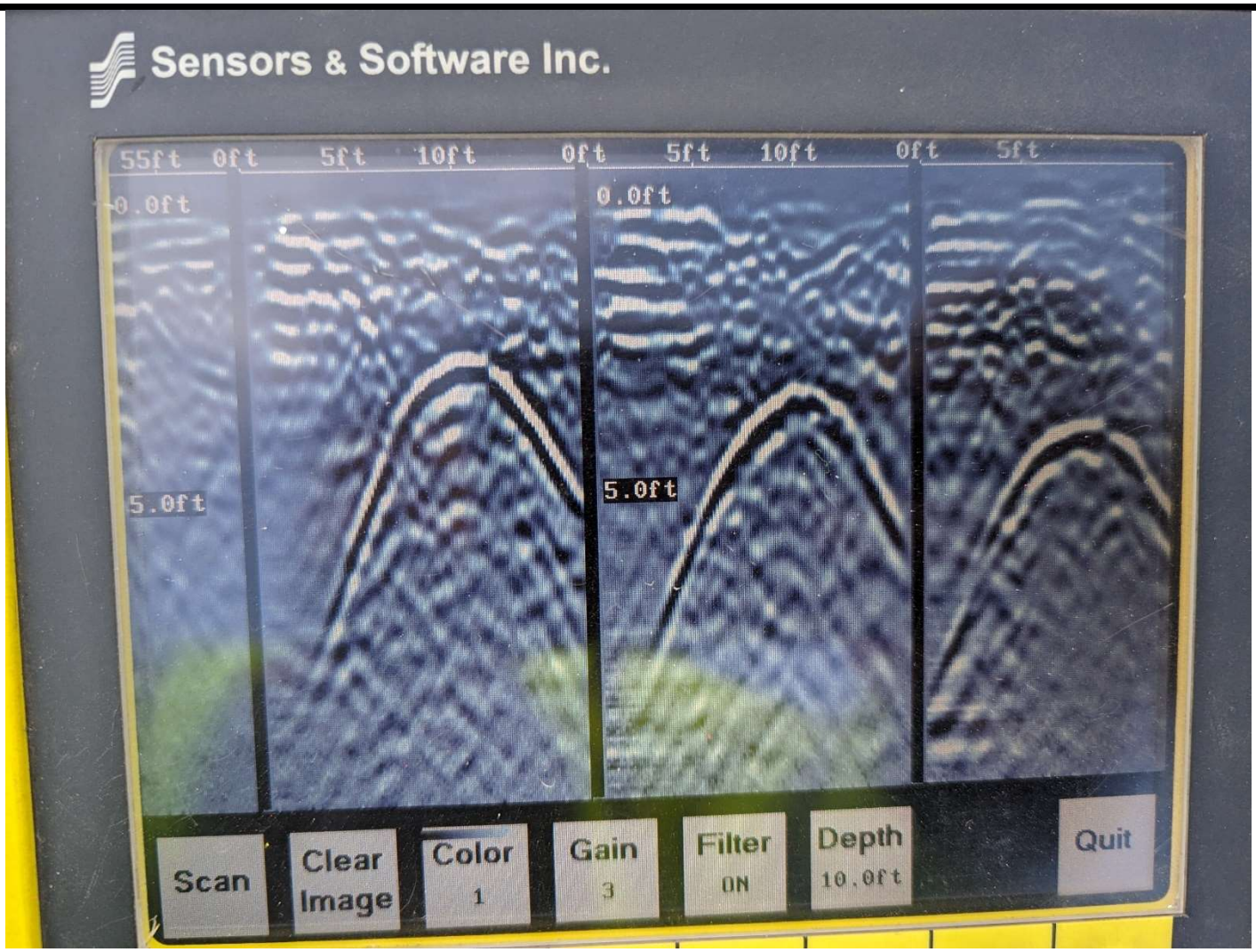


Sample GPR data screenshot showing a scan collected parallel along the top one of the suspected USTs shown in the data to the left. A parallel scan is used to determine a clear beginning and end to the reaction to the reaction which is an indicator of a UST and to determine an approximate length.

Sample Data Screenshots. (Not taken from this project)	Location: previously collected from various sites	GPRS

GPR data indicating the presence of the first suspected UST

Second suspected UST location with an approximate depth of 2.5 – 5 feet. (Sloped ground resulted in the tank being at greater depth at the top of the hill)



GPR data indicating the presence of the second suspected UST (the depth increases as the scanning moved up the hill)

GPR Data Screenshots and Photos	756 State St. Schenectady, NY	GPRS

Soil Boring 1

Soil Boring 2

Soil Boring 3

Soil Boring 4

Soil Boring 5

Soil Boring 6

CLOSING

GPRS, Inc. has been in business since 2001, specializing in underground storage tank location, concrete scanning, utility locating, and shallow void detection for projects throughout the United States. I encourage you to visit our website (www.gprsinc.com) and contact any of the numerous references listed.

GPRS appreciates the opportunity to offer our services, and we look forward to continuing to work with you on future projects. Please feel free to contact us for additional information or with any questions you may have regarding this report.

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Subsurface Consultant —Upstate NY

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APPENDIX C

Subsurface Exploration Logs

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.: GP-1
ELEV.: **DATUM:**
START DATE: 11/29/23 **FINISH DATE:** 11/29/23
SHEET 1 of 1

PROJECT: Schenectady 40 Anchor Site
LOCATION: 742, 754 & 758 State Street and 749 Albany Street
CTM PROJECT NO.: 23.3588
CTM OBSERVER: RH

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
				ASPHALT at Surface (±2 inches)	
2		1	1.8	Brown/grey fine to med SAND, some f to c Gravel, trace silt (damp)	
				Brown fine to med SAND, little fine to coarse gravel and brick (damp)	
4		2		FILL: BRICK, little fine to medium sand and fine gravel (damp)	
6		3	1.2	Brown fine SAND, occasional brick (damp)	
8		4			
10		5	1.3		
12		6			
14		7	1.3		
		8		Brown fine to medium SAND, some Fill (brick, coal, ash) (damp)	
16					
18		9	3.9	Brown fine SAND (saturated)	
		10			
20				Boring Terminated @ 20± feet bgs	MW-1 Installed

DRILLING CONTRACTOR: Precision Environmental Services Inc.
DIRECT-PUSH TYPE: 6620 DT
METHOD OF SAMPLING: 4'x2" Macro Core

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY:
RH

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.: GP-2
ELEV.: **DATUM:**
START DATE: 11/29/23 **FINISH DATE:** 11/29/23
SHEET 1 of 1

PROJECT: Schenectady 40 Anchor Site CTM PROJECT NO.: 23.3588
LOCATION: 742, 754 & 758 State Street and 749 Albany Street CTM OBSERVER: RH

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
				ASPHALT at Surface (±1.5 inches)	
2		1	3.0	Brown fine to coarse SAND, some f to c Gravel, trace silt (damp)	
4		2		Brown fine to medium SAND, little brick and coal, occasional fine to coarse gravel (damp)	
6		3	4.0		
8		4 5		FILL: BRICK, COAL and ASH, trace fine sand (damp)	
10		6	1.0	Brown fine to medium SAND, trace brick and coal, occasional fine to coarse gravel (damp)	
12		7		(wet)	
14		8	2.7	Brown fine SAND and SILT, trace brick, occassional fine to coarse gravel (wet)	
16		9		(saturated)	
18				Boring Terminated @ 16± feet bgs	
20					

DRILLING CONTRACTOR: Precision Environmental Services Inc.
DIRECT-PUSH TYPE: 6620 DT
METHOD OF SAMPLING: 4'x2" Macro Core

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY:
RH

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.: GP-3
ELEV.: **DATUM:**
START DATE: 11/29/23 **FINISH DATE:** 11/29/23
SHEET 1 of 1

PROJECT: Schenectady 40 Anchor Site CTM PROJECT NO.: 23.3588
LOCATION: 742, 754 & 758 State Street and 749 Albany Street CTM OBSERVER: RH

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
				ASPHALT at Surface (±1.5 inches)	
2		1	3.0	Brown/grey fine to medium SAND, little fine to coarse gravel (damp)	
4		2		Brown fine to medium SAND, some fine to coarse gravel, trace brick (damp)	
6		3	2.2	Brown fine to medium SAND, some fine gravel, little brick, coal, slag and ash (damp)	Petrochemical/waste oil type odor/little black staining
8		4		FILL: CONCRETE RUBBLE (damp)	
10		5	1.9	Brown fine SAND, trace brick and glass (damp) (wet)	
12		6			
14		7	0.0		No Recovery12-20' bgs
16		8			MW-3 Installed
18		9	0.0		
20		10		Boring Terminated @ 20± feet bgs	

DRILLING CONTRACTOR: Precision Environmental Services Inc.
DIRECT-PUSH TYPE: 6620 DT
METHOD OF SAMPLING: 4'x2" Macro Core

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: RH

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.: GP-4
ELEV.: **DATUM:**
START DATE: 11/29/23 **FINISH DATE:** 11/29/23
SHEET 1 of 1

PROJECT: Schenectady 40 Anchor Site
LOCATION: 742, 754 & 758 State Street and 749 Albany Street
CTM PROJECT NO.: 23.3588
CTM OBSERVER: RH

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
				ASPHALT at Surface (±1.5 inches)	
2		1	2.8	Brown fine to coarse SAND, some fine to coarse Gravel, trace brick, ash and glass (damp)	
4		2			
6		3	1.8	Brown fine to medium SAND, little fine to coarse gravel, trace brick ash, glass and concrete rubble (damp)	
8		4			
10		5	2.6		
		6		FILL: BRICK, COAL, SLAG, ASH, GLASS & CONCRETE, little fine to medium sand (damp)	
12		7		Brown fine to med SAND, little fine to coarse gravel, trace brick(damp)	
14		8	4.0		
16		9		(wet)	Petrochemical type odor/ black staining 15-17.5± feet bgs
18		10	3.5		
20		11		Boring Terminated @ 20± feet bgs	MW-4 Installed

DRILLING CONTRACTOR: Precision Environmental Services Inc.
DIRECT-PUSH TYPE: 6620 DT
METHOD OF SAMPLING: 4'x2" Macro Core

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: RH

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.: GP-5
ELEV.: **DATUM:**
START DATE: 11/29/23 **FINISH DATE:** 11/29/23
SHEET 1 of 1

PROJECT: Schenectady 40 Anchor Site
LOCATION: 742, 754 & 758 State Street and 749 Albany Street
CTM PROJECT NO.: 23.3588
CTM OBSERVER: RH

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
				ASPHALT at Surface (±1.5 inches)	
2		1	2.7	Brown fine to medium SAND, some fine to coarse Gravel (damp)	
		2		Brown fine to medium SAND, some Fill (brick, ash, tile, coal), little fine to coarse gravel (damp)	
4		3		Brown fine to medium SAND, little fine to coarse gravel, trace brick and coal (damp)	Two-inch seam coarse sand 2± feet bgs
6		4	2.5		
8		5			
10		6	3.0		
12		7		(wet)	Two-inch seam weathered rock 10± feet bgs
14		8	2.4	(saturated)	
16		9			
18				Boring Terminated @ 16± feet bgs	
20					

DRILLING CONTRACTOR: Precision Environmental Services Inc.
DIRECT-PUSH TYPE: 6620 DT
METHOD OF SAMPLING: 4'x2" Macro Core

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: RH

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.: GP-5
ELEV.: **DATUM:**
START DATE: 11/29/23 **FINISH DATE:** 11/29/23
SHEET 1 of 1

PROJECT: Schenectady 40 Anchor Site
LOCATION: 742, 754 & 758 State Street and 749 Albany Street
CTM PROJECT NO.: 23.3588
CTM OBSERVER: RH

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
2		1	3.0	Brown/grey fine to coarse SAND and GRAVEL, little fill (brick and coal), trace organics (damp)	
4		2		Brown fine to medium SAND, occassional coarse gravel, trace brick (damp)	
6		3	2.2	(wet)	
8		4			
10		5	3.0	Brown fine SAND, trace silt and brick, occasional coarse gravel (wet)	
12		6			
14				Boring Terminated @ 12± feet bgs	MW-6 Installed
16					
18					
20					

DRILLING CONTRACTOR: Precision Environmental Services Inc.
DIRECT-PUSH TYPE: 6620 DT
METHOD OF SAMPLING: 4'x2" Macro Core

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: RH

APPENDIX D

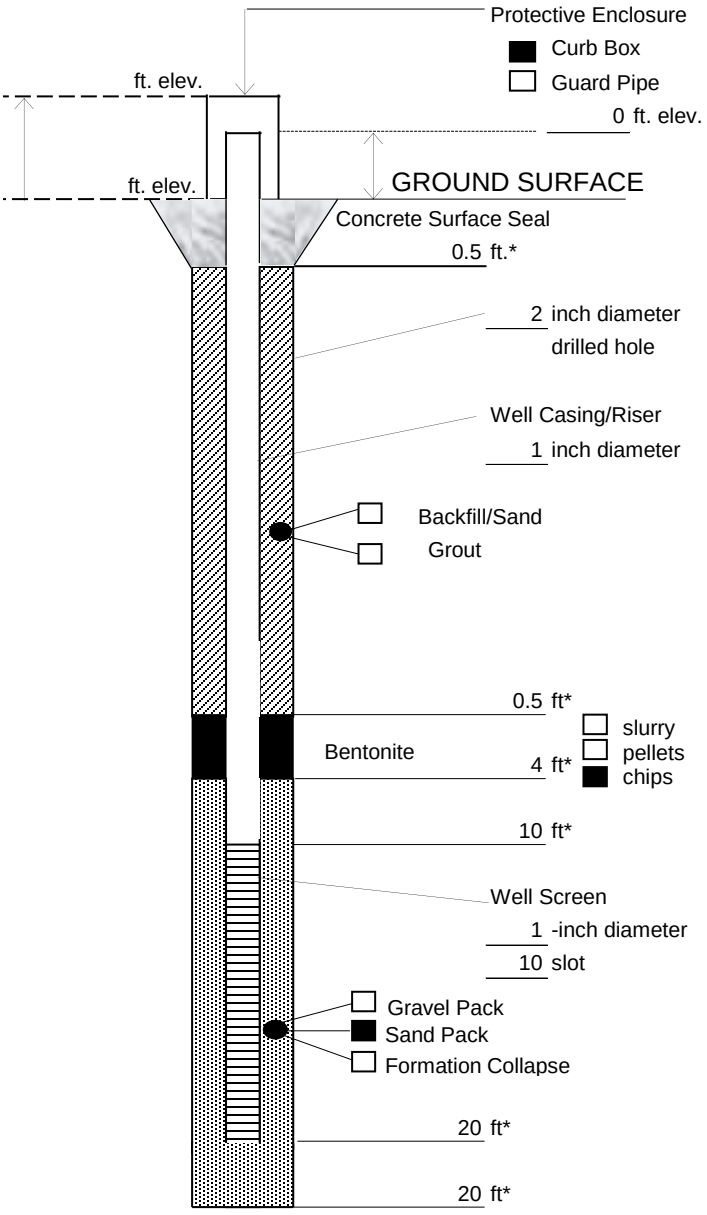
Monitoring Well Construction Logs

ATTACHMENT 14

Well No. MW-1

C.T. MALE ASSOCIATES

MONITORING WELL CONSTRUCTION LOG



* Depth below ground surface.

Project Name: Schenectady 40 Anchor Site

Project Number: 23.3588

Well No.: MW-1 Boring No.: GP-1

Town/City: City of Schenectady

County: Schenectady State: NY

Installation Date(s): 11/29/2023

Drilling Contractor: Precision Environmental Services, Inc.

Drilling Method: Geoprobe direct push

Water Depth From Top of Riser: ____ ft ____ Date

C.T. Male Observer: R. Hubbard

Materials Used:

- 3/4 Bags of Sand (50 lb. bags)
  Sand Size: 1 Brand: FilPro
- 1/3 Bags of Bentonite (50 lb. bags)
  Brand: Haliburton
- 10 ft. of 1-inch well screen
- 10 ft. of 1-inch well riser
- 2/3 Bags of Cement/Concrete (80 lb. bags)
  Brand: Sakrete

Grout Mixture:

- ____ Bags of Cement (____ lb. bags)
- ____ Lbs. of Bentonite
- ____ Gallons of Water
- ____ Grout Batches

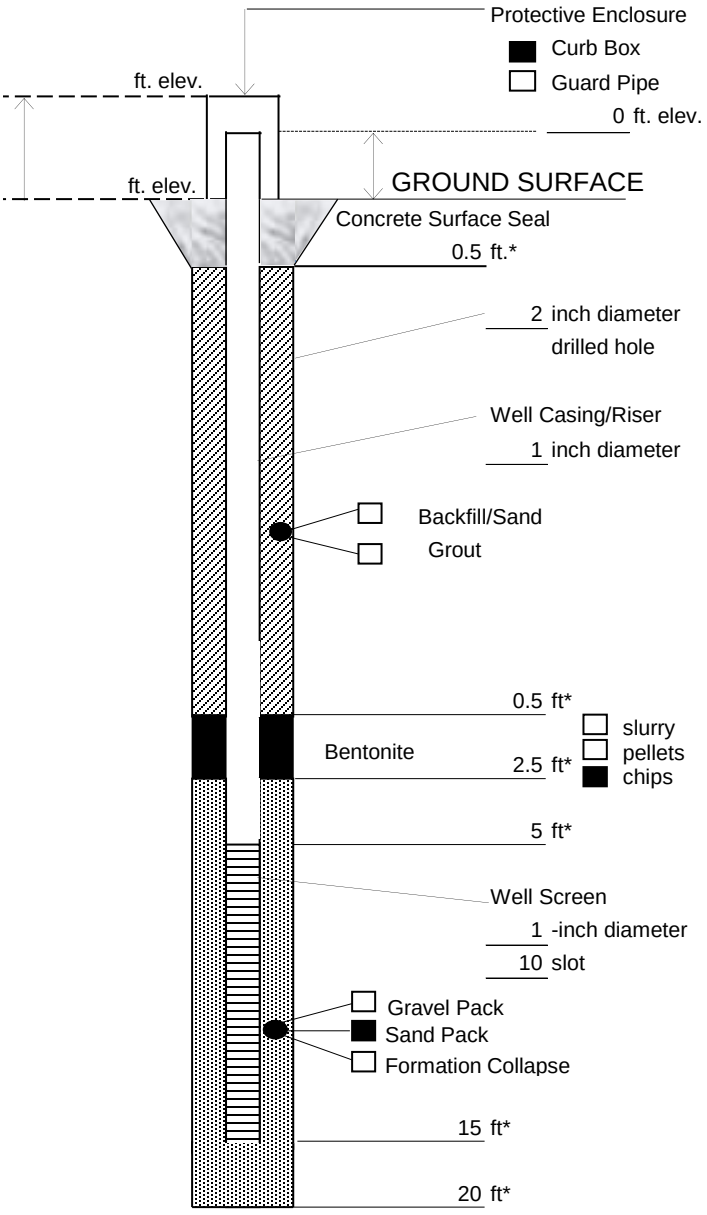
Notes:

ATTACHMENT 14

Well No. MW-3

C.T. MALE ASSOCIATES

MONITORING WELL CONSTRUCTION LOG



* Depth below ground surface.

Project Name: Schenectady 40 Anchor Site

Project Number: 23.3588

Well No.: MW-3 Boring No.: GP-3

Town/City: City of Schenectady

County: Schenectady State: NY

Installation Date(s): 11/29/2023

Drilling Contractor: Precision Environmental Services, Inc.

Drilling Method: Geoprobe direct push

Water Depth From Top of Riser: ____ ft ____ Date

C.T. Male Observer: R. Hubbard

Materials Used:

- 3/4 Bags of Sand (50 lb. bags)
  Sand Size: 1 Brand: FilPro
- 1/4 Bags of Bentonite (50 lb. bags)
  Brand: Haliburton
- 10 ft. of 1-inch well screen
- 5 ft. of 1-inch well riser
- 2/3 Bags of Cement/Concrete (80 lb. bags)
  Brand: Sakrete

Grout Mixture:

- ____ Bags of Cement (____ lb. bags)
- ____ Lbs. of Bentonite
- ____ Gallons of Water
- ____ Grout Batches

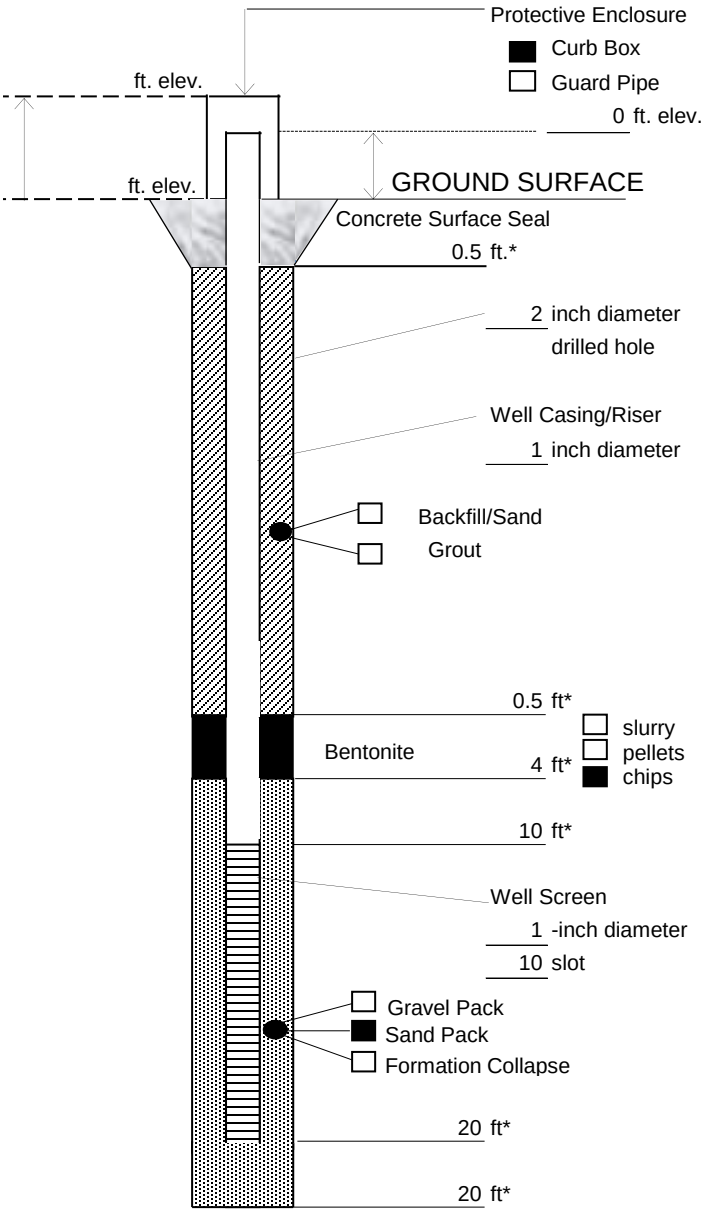
Notes:

ATTACHMENT 14

Well No. MW-4

C.T. MALE ASSOCIATES

MONITORING WELL CONSTRUCTION LOG



* Depth below ground surface.

Project Name: Schenectady 40 Anchor Site

Project Number: 23.3588

Well No.: MW-4 Boring No.: GP-4

Town/City: City of Schenectady

County: Schenectady State: NY

Installation Date(s): 11/29/2023

Drilling Contractor: Precision Environmental Services, Inc.

Drilling Method: Geoprobe direct push

Water Depth From Top of Riser: ____ ft ____ Date

C.T. Male Observer: R. Hubbard

Materials Used:

- 3/4 Bags of Sand (50 lb. bags)
  Sand Size: 1 Brand: FilPro
- 1/3 Bags of Bentonite (50 lb. bags)
  Brand: Haliburton
- 10 ft. of 1-inch well screen
- 10 ft. of 1-inch well riser
- 2/3 Bags of Cement/Concrete (80 lb. bags)
  Brand: Sakrete

Grout Mixture:

- ____ Bags of Cement (____ lb. bags)
- ____ Lbs. of Bentonite
- ____ Gallons of Water
- ____ Grout Batches

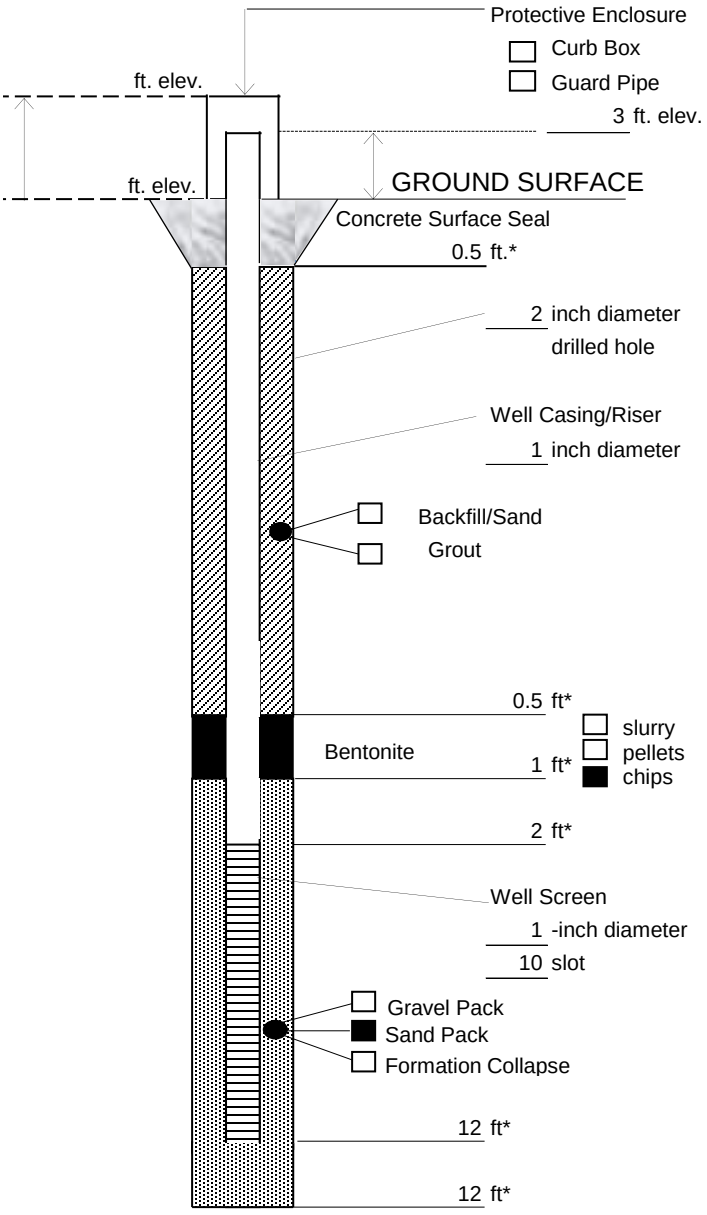
Notes:

ATTACHMENT 14

Well No. MW-6

C.T. MALE ASSOCIATES

MONITORING WELL CONSTRUCTION LOG



* Depth below ground surface.

Project Name: Schenectady 40 Anchor Site

Project Number: 23.3588

Well No.: MW-6 Boring No.: GP-6

Town/City: City of Schenectady

County: Schenectady State: NY

Installation Date(s): 11/29/2023

Drilling Contractor: Precision Environmental Services, Inc.

Drilling Method: Geoprobe direct push

Water Depth From Top of Riser: ____ ft ____ Date

C.T. Male Observer: R. Hubbard

Materials Used:

- 1/2 Bags of Sand (50 lb. bags)
  Sand Size: 1 Brand: FilPro
- 1/8 Bags of Bentonite (50 lb. bags)
  Brand: Haliburton
- 10 ft. of 1-inch well screen
- 5 ft. of 1-inch well riser
- ____ Bags of Cement/Concrete (80 lb. bags)
  Brand: Sakrete

Grout Mixture:

- ____ Bags of Cement (____ lb. bags)
- ____ Lbs. of Bentonite
- ____ Gallons of Water
- ____ Grout Batches

Notes:

APPENDIX E

Organic Vapor Headspace Analysis Log

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT:	Schenectady 40 Anchor Site	**PROJECT #** 23.3588	PAGE 1 OF 3
LOCATION:	742, 754 & 758 State Street Schenectady		**DATE COLLECTED:** 11/29/2023
COUNTY, STATE:	Schenectady County, NY		
INSTRUMENT USED:	MiniRae 3000 **LAMP** 10.6 **eV**		**DATE ANALYZED:** 11/29/2023
DATE INSTRUMENT CALIBRATED:	11/29/2023 **BY:** RH		
TEMPERATURE OF SOIL:	ambient		**ANALYST:** RH

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
GP-1	1	0-2	Soil - Headspace	0.1	0.0	NONS
GP-1	2	2-4	Soil - Headspace	0.1	0.0	NONS
GP-1	3	4-4.5	Soil - Headspace	0.1	0.0	NONS
GP-1	4	4.5-8	Soil - Headspace	0.1	0.1	NONS
GP-1	5	8-10	Soil - Headspace	0.1	0.1	NONS
GP-1	6	10-12	Soil - Headspace	0.1	0.1	NONS
GP-1	7	12-13	Soil - Headspace	0.1	0.1	NONS
GP-1	8	13-16.5	Soil - Headspace	0.3	0.1	NONS
GP-1	9	16.5-18	Soil - Headspace	0.2	0.1	NONS
GP-1	10	18-20	Soil - Headspace	0.0	0.0	NONS
GP-3	1	0-2	Soil - Headspace	0.3	0.1	NONS
GP-3	2	2-4	Soil - Headspace	0.3	0.1	NONS
GP-3	3	4-5	Soil - Headspace	0.5	0.1	Petrochemical odor/little black staining
GP-3	4	5-8	Soil - Headspace	0.2	0.1	Faint petrochemical odor/NS
GP-3	5	8-10	Soil - Headspace	0.1	0.1	NONS
GP-3	6	10-12	Soil - Headspace	0.4	0.1	NONS
GP-4	1	0-2	Soil - Headspace	0.4	0.1	NONS
GP-4	2	2-4	Soil - Headspace	0.4	0.1	NONS
GP-4	3	4-6	Soil - Headspace	0.3	0.1	NONS
GP-4	4	6-8	Soil - Headspace	0.6	0.1	NONS
GP-4	5	8-10	Soil - Headspace	0.2	0.1	NONS

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
*** represents feet below the ground surface
NONS = No Odors/No Staining

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT:	Schenectady 40 Anchor Site	**PROJECT #** 23.3588	PAGE 2 OF 3
LOCATION:	742, 754 & 758 State Street Schenectady		**DATE COLLECTED:** 11/29/2023
COUNTY, STATE:	Schenectady County, NY		
INSTRUMENT USED:	MiniRae 3000 **LAMP** 10.6 **eV**		**DATE ANALYZED:** 11/29/2023
DATE INSTRUMENT CALIBRATED:	11/29/2023 **BY:** RH		
TEMPERATURE OF SOIL:	ambient		**ANALYST:** RH

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
GP-4	6	10-11	Soil - Headspace	0.3	0.1	NONS
GP-4	7	11-12	Soil - Headspace	0.3	0.1	NONS
GP-4	8	12-15	Soil - Headspace	0.9	0.1	NONS
GP-4	9	15-16	Soil - Headspace	380.4	0.1	Petrochemical odor/black staining
GP-4	10	16-18	Soil - Headspace	96.4	0.1	Petrochemical odor/black staining
GP-4	11	18-20	Soil - Headspace	28.8	0.1	Faint petrochemical odor/little grey staining
GP-5	1	0-1	Soil - Headspace	0.5	0.1	NONS
GP-5	2	1-2	Soil - Headspace	0.6	0.2	NONS
GP-5	3	2-4	Soil - Headspace	0.5	0.2	NONS
GP-5	4	4-6	Soil - Headspace	0.4	0.2	NONS
GP-5	5	6-8	Soil - Headspace	0.6	0.2	NONS
GP-5	6	8-10	Soil - Headspace	0.5	0.1	NONS
GP-5	7	10-12	Soil - Headspace	0.6	0.2	NONS
GP-5	8	12-14	Soil - Headspace	0.6	0.2	NONS
GP-5	9	14-16	Soil - Headspace	0.7	0.2	NONS
GP-6	1	0-2	Soil - Headspace	0.5	0.1	NONS
GP-6	2	2-4	Soil - Headspace	0.2	0.1	NONS
GP-6	3	4-6	Soil - Headspace	0.2	0.1	NONS
GP-6	4	6-8	Soil - Headspace	0.1	0.1	NONS
GP-6	5	8-10	Soil - Headspace	0.2	0.1	NONS
GP-6	6	10-12	Soil - Headspace	0.2	0.1	NONS

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
*** represents feet below the ground surface
NONS = No Odors/No Staining

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT:	Schenectady 40 Anchor Site	**PROJECT #** 23.3588	PAGE 3 OF 3
LOCATION:	742, 754 & 758 State Street Schenectady		**DATE COLLECTED:** 11/29/2023
COUNTY, STATE:	Schenectady County, NY		
INSTRUMENT USED:	MiniRae 3000 **LAMP** 10.6 **eV**		**DATE ANALYZED:** 11/29/2023
DATE INSTRUMENT CALIBRATED:	11/29/2023 **BY:** RH		
TEMPERATURE OF SOIL:	ambient		**ANALYST:** RH

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
GP-4	1	0-2	Soil - Headspace	0.5	0.1	NONS
GP-4	2	2-4	Soil - Headspace	0.3	0.1	NONS
GP-4	3	4-6	Soil - Headspace	0.3	0.1	NONS
GP-4	4	6-8	Soil - Headspace	0.2	0.2	NONS
GP-4	5	7-7.5	Soil - Headspace	0.5	0.2	NONS
GP-4	6	8-10	Soil - Headspace	0.6	0.2	NONS
GP-5	7	10-12	Soil - Headspace	0.8	0.2	NONS
GP-5	8	12-14	Soil - Headspace	0.6	0.2	NONS
GP-5	9	14-16	Soil - Headspace	0.6	0.2	NONS

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
*** represents feet below the ground surface
NONS = No Odors/No Staining

APPENDIX F

Laboratory Analysis Report for Soil

ATTACHMENT 14

ANALYTICAL REPORT

Lab Number:	L2370406
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12110
ATTN:	Aimee Smith
Phone:	(518) 786-7400
Project Name:	SCHENECTADY 40 ANCHOR SITE
Project Number:	23.3588
Report Date:	12/06/23

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

ATTACHMENT 14

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588

Lab Number: L2370406
Report Date: 12/06/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2370406-01	GP-1 13-16.5	SOIL	SCHENECTADY,NY	11/29/23 09:30	11/29/23
L2370406-02	GP-2 7-7.5	SOIL	SCHENECTADY,NY	11/29/23 15:30	11/29/23
L2370406-03	GP-3 4-5	SOIL	SCHENECTADY,NY	11/29/23 10:30	11/29/23
L2370406-04	GP-4 10-11	SOIL	SCHENECTADY,NY	11/29/23 11:30	11/29/23
L2370406-05	GP-4 15-16	SOIL	SCHENECTADY,NY	11/29/23 11:45	11/29/23
L2370406-06	GP-5 1-2	SOIL	SCHENECTADY,NY	11/29/23 13:30	11/29/23
L2370406-07	GP-6 0-2	SOIL	SCHENECTADY,NY	11/29/23 14:30	11/29/23

Project Name:	SCHENECTADY 40 ANCHOR SITE	**Lab Number:**	L2370406
Project Number:	23.3588	**Report Date:**	12/06/23

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: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406
Project Number: 23.3588 **Report Date:** 12/06/23

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.

Total Metals

L2370406-01 through -07: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG1858154-1 Method Blank, associated with L2370406-01 through -07, has a concentration above the reporting limit for iron. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 12/06/23

ATTACHMENT 14

ORGANICS

ATTACHMENT 14

VOLATILES

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-01
Client ID: GP-1 13-16.5
Sample Location: SCHENECTADY,NY

Date Collected: 11/29/23 09:30
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 12/03/23 20:02
Analyst: AJK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-01 Date Collected: 11/29/23 09:30

Client ID: GP-1 13-16.5 Date Received: 11/29/23

Sample Location: SCHENECTADY,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-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.66	1
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
Methyl Acetate	ND		ug/kg	4.1	0.97	1
Cyclohexane	ND		ug/kg	10	0.55	1
Freon-113	ND		ug/kg	4.1	0.71	1
Methyl cyclohexane	ND		ug/kg	4.1	0.61	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	107		70-130

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-02
Client ID: GP-2 7-7.5
Sample Location: SCHENECTADY,NY

Date Collected: 11/29/23 15:30
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 12/03/23 20:28
Analyst: AJK
Percent Solids: 75%

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	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.89	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	0.21	1
Bromodichloromethane	ND		ug/kg	0.64	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.1	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	0.21	1
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	ND		ug/kg	1.3	0.69	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.6	0.74	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	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

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-02 Date Collected: 11/29/23 15:30

Client ID: GP-2 7-7.5 Date Received: 11/29/23

Sample Location: SCHENECTADY,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-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	ND		ug/kg	2.6	0.72	1
o-Xylene	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.2	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
2-Hexanone	ND		ug/kg	13	1.5	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.1	0.83	1
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
Methyl Acetate	ND		ug/kg	5.1	1.2	1
Cyclohexane	ND		ug/kg	13	0.70	1
Freon-113	ND		ug/kg	5.1	0.89	1
Methyl cyclohexane	ND		ug/kg	5.1	0.77	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	109		70-130

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-03
Client ID: GP-3 4-5
Sample Location: SCHENECTADY,NY

Date Collected: 11/29/23 10:30
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 12/03/23 20:53
Analyst: AJK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.97	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.97	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.97	0.12	1
Dibromochloromethane	ND		ug/kg	0.97	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.97	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.97	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.97	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.15	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.97	0.53	1
Ethylbenzene	ND		ug/kg	0.97	0.14	1
Chloromethane	ND		ug/kg	3.9	0.91	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.97	0.33	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.97	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.13	1
Trichloroethene	ND		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-03 Date Collected: 11/29/23 10:30

Client ID: GP-3 4-5 Date Received: 11/29/23

Sample Location: SCHENECTADY,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-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.20	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.97	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.97	0.17	1
Styrene	ND		ug/kg	0.97	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.7	0.89	1
Acetone	ND		ug/kg	9.7	4.7	1
Carbon disulfide	ND		ug/kg	9.7	4.4	1
2-Butanone	ND		ug/kg	9.7	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	9.7	1.2	1
2-Hexanone	ND		ug/kg	9.7	1.1	1
1,2-Dibromoethane	ND		ug/kg	0.97	0.27	1
n-Butylbenzene	ND		ug/kg	0.97	0.16	1
sec-Butylbenzene	ND		ug/kg	0.97	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.97	1
Isopropylbenzene	ND		ug/kg	0.97	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.97	0.11	1
Naphthalene	ND		ug/kg	3.9	0.63	1
n-Propylbenzene	ND		ug/kg	0.97	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
Methyl Acetate	ND		ug/kg	3.9	0.92	1
Cyclohexane	ND		ug/kg	9.7	0.53	1
Freon-113	ND		ug/kg	3.9	0.67	1
Methyl cyclohexane	ND		ug/kg	3.9	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	108		70-130

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-04
Client ID: GP-4 10-11
Sample Location: SCHENECTADY,NY

Date Collected: 11/29/23 11:30
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 12/03/23 21:19
Analyst: AJK
Percent Solids: 78%

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
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.40	1
Tetrachloroethene	ND		ug/kg	0.76	0.30	1
Chlorobenzene	ND		ug/kg	0.76	0.19	1
Trichlorofluoromethane	ND		ug/kg	6.0	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.39	1
1,1,1-Trichloroethane	ND		ug/kg	0.76	0.25	1
Bromodichloromethane	ND		ug/kg	0.76	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.41	1
cis-1,3-Dichloropropene	ND		ug/kg	0.76	0.24	1
Bromoform	ND		ug/kg	6.0	0.37	1
1,1,2,2-Tetrachloroethane	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
Chloromethane	ND		ug/kg	6.0	1.4	1
Bromomethane	ND		ug/kg	3.0	0.88	1
Vinyl chloride	ND		ug/kg	1.5	0.51	1
Chloroethane	ND		ug/kg	3.0	0.68	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

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-04 Date Collected: 11/29/23 11:30

Client ID: GP-4 10-11 Date Received: 11/29/23

Sample Location: SCHENECTADY,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-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	0.26	1
Styrene	ND		ug/kg	1.5	0.30	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	ND		ug/kg	15	7.3	1
Carbon disulfide	ND		ug/kg	15	6.9	1
2-Butanone	ND		ug/kg	15	3.4	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
2-Hexanone	ND		ug/kg	15	1.8	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.42	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
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.5	1.5	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.16	1
Naphthalene	1.2	J	ug/kg	6.0	0.98	1
n-Propylbenzene	ND		ug/kg	1.5	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	0.41	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	0.29	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	0.50	1
Methyl Acetate	ND		ug/kg	6.0	1.4	1
Cyclohexane	ND		ug/kg	15	0.82	1
Freon-113	ND		ug/kg	6.0	1.0	1
Methyl cyclohexane	ND		ug/kg	6.0	0.91	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	108		70-130

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-05
Client ID: GP-4 15-16
Sample Location: SCHENECTADY,NY

Date Collected: 11/29/23 11:45
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 12/03/23 23:01
Analyst: AJK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	280	130	1
1,1-Dichloroethane	ND		ug/kg	56	8.2	1
Chloroform	ND		ug/kg	84	7.9	1
Carbon tetrachloride	ND		ug/kg	56	13.	1
1,2-Dichloropropane	ND		ug/kg	56	7.0	1
Dibromochloromethane	ND		ug/kg	56	7.9	1
1,1,2-Trichloroethane	ND		ug/kg	56	15.	1
Tetrachloroethene	ND		ug/kg	28	11.	1
Chlorobenzene	ND		ug/kg	28	7.1	1
Trichlorofluoromethane	ND		ug/kg	220	39.	1
1,2-Dichloroethane	ND		ug/kg	56	14.	1
1,1,1-Trichloroethane	ND		ug/kg	28	9.4	1
Bromodichloromethane	ND		ug/kg	28	6.1	1
trans-1,3-Dichloropropene	ND		ug/kg	56	15.	1
cis-1,3-Dichloropropene	ND		ug/kg	28	8.9	1
Bromoform	ND		ug/kg	220	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	28	9.3	1
Benzene	ND		ug/kg	28	9.3	1
Toluene	42	J	ug/kg	56	30.	1
Ethylbenzene	29	J	ug/kg	56	7.9	1
Chloromethane	ND		ug/kg	220	52.	1
Bromomethane	ND		ug/kg	110	33.	1
Vinyl chloride	ND		ug/kg	56	19.	1
Chloroethane	ND		ug/kg	110	25.	1
1,1-Dichloroethene	ND		ug/kg	56	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	84	7.7	1
Trichloroethene	ND		ug/kg	28	7.7	1
1,2-Dichlorobenzene	ND		ug/kg	110	8.1	1

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-05 Date Collected: 11/29/23 11:45

Client ID: GP-4 15-16 Date Received: 11/29/23

Sample Location: SCHENECTADY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	110	8.3	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.6	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	80	J	ug/kg	110	32.	1
o-Xylene	27	J	ug/kg	56	16.	1
cis-1,2-Dichloroethene	ND		ug/kg	56	9.8	1
Styrene	ND		ug/kg	56	11.	1
Dichlorodifluoromethane	ND		ug/kg	560	52.	1
Acetone	ND		ug/kg	560	270	1
Carbon disulfide	ND		ug/kg	560	260	1
2-Butanone	ND		ug/kg	560	120	1
4-Methyl-2-pentanone	ND		ug/kg	560	72.	1
2-Hexanone	ND		ug/kg	560	66.	1
1,2-Dibromoethane	ND		ug/kg	56	16.	1
n-Butylbenzene	8900		ug/kg	56	9.4	1
sec-Butylbenzene	3100		ug/kg	56	8.2	1
tert-Butylbenzene	77	J	ug/kg	110	6.6	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	170	56.	1
Isopropylbenzene	1400		ug/kg	56	6.1	1
p-Isopropyltoluene	56		ug/kg	56	6.1	1
Naphthalene	680		ug/kg	220	36.	1
n-Propylbenzene	7000		ug/kg	56	9.6	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
1,3,5-Trimethylbenzene	26	J	ug/kg	110	11.	1
1,2,4-Trimethylbenzene	9200		ug/kg	110	19.	1
Methyl Acetate	ND		ug/kg	220	53.	1
Cyclohexane	120	J	ug/kg	560	31.	1
Freon-113	ND		ug/kg	220	39.	1
Methyl cyclohexane	280		ug/kg	220	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	130		70-130
Dibromofluoromethane	100		70-130

Project Name: SCHENECTADY 40 ANCHOR SITE
Lab Number: L2370406
Project Number: 23.3588
Report Date: 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-06
Client ID: GP-5 1-2
Sample Location: SCHENECTADY,NY
Date Collected: 11/29/23 13:30
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 12/03/23 21:44
Analyst: AJK
Percent Solids: 91%

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

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-06 Date Collected: 11/29/23 13:30

Client ID: GP-5 1-2 Date Received: 11/29/23

Sample Location: SCHENECTADY,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-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	ND		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
n-Butylbenzene	ND		ug/kg	0.92	0.15	1
sec-Butylbenzene	ND		ug/kg	0.92	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Isopropylbenzene	ND		ug/kg	0.92	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
n-Propylbenzene	ND		ug/kg	0.92	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
Methyl Acetate	ND		ug/kg	3.7	0.88	1
Cyclohexane	ND		ug/kg	9.2	0.50	1
Freon-113	ND		ug/kg	3.7	0.64	1
Methyl cyclohexane	ND		ug/kg	3.7	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	111		70-130

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-07
Client ID: GP-6 0-2
Sample Location: SCHENECTADY,NY

Date Collected: 11/29/23 14:30
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 12/03/23 22:10
Analyst: AJK
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.94	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-07 Date Collected: 11/29/23 14:30

Client ID: GP-6 0-2 Date Received: 11/29/23

Sample Location: SCHENECTADY,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-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	ND		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	ND		ug/kg	9.4	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.8	0.61	1
n-Propylbenzene	ND		ug/kg	0.94	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
Methyl Acetate	ND		ug/kg	3.8	0.90	1
Cyclohexane	ND		ug/kg	9.4	0.51	1
Freon-113	ND		ug/kg	3.8	0.65	1
Methyl cyclohexane	ND		ug/kg	3.8	0.57	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	109		70-130

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/03/23 15:48
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1859492-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.88	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/03/23 15:48
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1859492-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

ATTACHMENT 14

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/03/23 15:48
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1859492-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/03/23 15:48
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1859493-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	44	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/03/23 15:48
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1859493-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
1,2-Dibromoethane	ND		ug/kg	50	14.
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

ATTACHMENT 14

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/03/23 15:48
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1859493-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

ATTACHMENT 14

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370406

Report Date: 12/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1859492-3 WG1859492-4								
Methylene chloride	100		101		70-130	1		30
1,1-Dichloroethane	116		116		70-130	0		30
Chloroform	113		112		70-130	1		30
Carbon tetrachloride	120		120		70-130	0		30
1,2-Dichloropropane	114		113		70-130	1		30
Dibromochloromethane	100		100		70-130	0		30
1,1,2-Trichloroethane	106		105		70-130	1		30
Tetrachloroethene	115		116		70-130	1		30
Chlorobenzene	103		104		70-130	1		30
Trichlorofluoromethane	123		123		70-139	0		30
1,2-Dichloroethane	108		109		70-130	1		30
1,1,1-Trichloroethane	119		119		70-130	0		30
Bromodichloromethane	113		112		70-130	1		30
trans-1,3-Dichloropropene	110		111		70-130	1		30
cis-1,3-Dichloropropene	116		118		70-130	2		30
Bromoform	84		86		70-130	2		30
1,1,2,2-Tetrachloroethane	104		102		70-130	2		30
Benzene	114		114		70-130	0		30
Toluene	107		107		70-130	0		30
Ethylbenzene	110		110		70-130	0		30
Chloromethane	125		122		52-130	2		30
Bromomethane	101		100		57-147	1		30
Vinyl chloride	127		124		67-130	2		30

ATTACHMENT 14

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370406

Report Date: 12/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1859492-3 WG1859492-4								
Chloroethane	120		120		50-151	0		30
1,1-Dichloroethene	121		122		65-135	1		30
trans-1,2-Dichloroethene	115		116		70-130	1		30
Trichloroethene	117		120		70-130	3		30
1,2-Dichlorobenzene	98		98		70-130	0		30
1,3-Dichlorobenzene	102		103		70-130	1		30
1,4-Dichlorobenzene	100		101		70-130	1		30
Methyl tert butyl ether	112		113		66-130	1		30
p/m-Xylene	112		112		70-130	0		30
o-Xylene	107		107		70-130	0		30
cis-1,2-Dichloroethene	110		112		70-130	2		30
Styrene	101		100		70-130	1		30
Dichlorodifluoromethane	119		118		30-146	1		30
Acetone	117		115		54-140	2		30
Carbon disulfide	119		117		59-130	2		30
2-Butanone	123		120		70-130	2		30
4-Methyl-2-pentanone	92		91		70-130	1		30
2-Hexanone	95		93		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
n-Butylbenzene	104		103		70-130	1		30
sec-Butylbenzene	102		101		70-130	1		30
tert-Butylbenzene	110		110		70-130	0		30
1,2-Dibromo-3-chloropropane	89		90		68-130	1		30

ATTACHMENT 14

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370406

Report Date: 12/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1859492-3 WG1859492-4								
Isopropylbenzene	110		110		70-130	0		30
p-Isopropyltoluene	99		99		70-130	0		30
Naphthalene	97		99		70-130	2		30
n-Propylbenzene	113		112		70-130	1		30
1,2,4-Trichlorobenzene	102		105		70-130	3		30
1,3,5-Trimethylbenzene	108		109		70-130	1		30
1,2,4-Trimethylbenzene	107		107		70-130	0		30
Methyl Acetate	110		112		51-146	2		30
Cyclohexane	120		120		59-142	0		30
Freon-113	121		122		50-139	1		30
Methyl cyclohexane	113		112		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		101		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	100		103		70-130

ATTACHMENT 14

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370406

Report Date: 12/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1859493-3 WG1859493-4								
Methylene chloride	100		101		70-130	1		30
1,1-Dichloroethane	116		116		70-130	0		30
Chloroform	113		112		70-130	1		30
Carbon tetrachloride	120		120		70-130	0		30
1,2-Dichloropropane	114		113		70-130	1		30
Dibromochloromethane	100		100		70-130	0		30
1,1,2-Trichloroethane	106		105		70-130	1		30
Tetrachloroethene	115		116		70-130	1		30
Chlorobenzene	103		104		70-130	1		30
Trichlorofluoromethane	123		123		70-139	0		30
1,2-Dichloroethane	108		109		70-130	1		30
1,1,1-Trichloroethane	119		119		70-130	0		30
Bromodichloromethane	113		112		70-130	1		30
trans-1,3-Dichloropropene	110		111		70-130	1		30
cis-1,3-Dichloropropene	116		118		70-130	2		30
Bromoform	84		86		70-130	2		30
1,1,2,2-Tetrachloroethane	104		102		70-130	2		30
Benzene	114		114		70-130	0		30
Toluene	107		107		70-130	0		30
Ethylbenzene	110		110		70-130	0		30
Chloromethane	125		122		52-130	2		30
Bromomethane	101		100		57-147	1		30
Vinyl chloride	127		124		67-130	2		30

ATTACHMENT 14

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370406

Report Date: 12/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1859493-3 WG1859493-4								
Chloroethane	120		120		50-151	0		30
1,1-Dichloroethene	121		122		65-135	1		30
trans-1,2-Dichloroethene	115		116		70-130	1		30
Trichloroethene	117		120		70-130	3		30
1,2-Dichlorobenzene	98		98		70-130	0		30
1,3-Dichlorobenzene	102		103		70-130	1		30
1,4-Dichlorobenzene	100		101		70-130	1		30
Methyl tert butyl ether	112		113		66-130	1		30
p/m-Xylene	112		112		70-130	0		30
o-Xylene	107		107		70-130	0		30
cis-1,2-Dichloroethene	110		112		70-130	2		30
Styrene	101		100		70-130	1		30
Dichlorodifluoromethane	119		118		30-146	1		30
Acetone	117		115		54-140	2		30
Carbon disulfide	119		117		59-130	2		30
2-Butanone	123		120		70-130	2		30
4-Methyl-2-pentanone	92		91		70-130	1		30
2-Hexanone	95		93		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
n-Butylbenzene	104		103		70-130	1		30
sec-Butylbenzene	102		101		70-130	1		30
tert-Butylbenzene	110		110		70-130	0		30
1,2-Dibromo-3-chloropropane	89		90		68-130	1		30

ATTACHMENT 14

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370406

Report Date: 12/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1859493-3 WG1859493-4								
Isopropylbenzene	110		110		70-130	0		30
p-Isopropyltoluene	99		99		70-130	0		30
Naphthalene	97		99		70-130	2		30
n-Propylbenzene	113		112		70-130	1		30
1,2,4-Trichlorobenzene	102		105		70-130	3		30
1,3,5-Trimethylbenzene	108		109		70-130	1		30
1,2,4-Trimethylbenzene	107		107		70-130	0		30
Methyl Acetate	110		112		51-146	2		30
Cyclohexane	120		120		59-142	0		30
Freon-113	121		122		50-139	1		30
Methyl cyclohexane	113		112		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		101		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	100		102		70-130

SEMIVOLATILES

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588
Lab Number: L2370406
Report Date: 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-01
Client ID: GP-1 13-16.5
Sample Location: SCHENECTADY,NY

Date Collected: 11/29/23 09:30
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 12/02/23 07:52
Analyst: EK
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/01/23 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Fluoranthene	180		ug/kg	110	22.	1
Naphthalene	ND		ug/kg	190	23.	1
Benzo(a)anthracene	51	J	ug/kg	110	21.	1
Benzo(a)pyrene	61	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	110		ug/kg	110	32.	1
Benzo(k)fluoranthene	31	J	ug/kg	110	30.	1
Chrysene	110		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	59	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	82	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	48	J	ug/kg	150	26.	1
Pyrene	150		ug/kg	110	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	84		30-120
4-Terphenyl-d14	95		18-120

Project Name: SCHENECTADY 40 ANCHOR SITE
Lab Number: L2370406
Project Number: 23.3588
Report Date: 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-02
Client ID: GP-2 7-7.5
Sample Location: SCHENECTADY,NY

Date Collected: 11/29/23 15:30
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 12/02/23 02:14
Analyst: EK
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 12/01/23 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	23.	1
Fluoranthene	ND		ug/kg	130	25.	1
Naphthalene	ND		ug/kg	220	27.	1
Benzo(a)anthracene	ND		ug/kg	130	25.	1
Benzo(a)pyrene	ND		ug/kg	170	53.	1
Benzo(b)fluoranthene	ND		ug/kg	130	37.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	ND		ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	170	34.	1
Anthracene	ND		ug/kg	130	43.	1
Benzo(ghi)perylene	ND		ug/kg	170	26.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	ND		ug/kg	130	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	71		30-120
4-Terphenyl-d14	87		18-120

Project Name: SCHENECTADY 40 ANCHOR SITE
Lab Number: L2370406
Project Number: 23.3588
Report Date: 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-03
Client ID: GP-3 4-5
Sample Location: SCHENECTADY,NY
Date Collected: 11/29/23 10:30
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 12/02/23 08:41
Analyst: EK
Percent Solids: 88%
Extraction Method: EPA 3546
Extraction Date: 12/01/23 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Fluoranthene	260		ug/kg	110	22.	1
Naphthalene	ND		ug/kg	190	23.	1
Benzo(a)anthracene	92	J	ug/kg	110	21.	1
Benzo(a)pyrene	110	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	160		ug/kg	110	32.	1
Benzo(k)fluoranthene	50	J	ug/kg	110	30.	1
Chrysene	140		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	85	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	93	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	76	J	ug/kg	150	26.	1
Pyrene	210		ug/kg	110	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	93		30-120
4-Terphenyl-d14	107		18-120

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588
Lab Number: L2370406
Report Date: 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-04 D
Client ID: GP-4 10-11
Sample Location: SCHENECTADY,NY

Date Collected: 11/29/23 11:30
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 12/06/23 10:27
Analyst: JG
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 12/01/23 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2400		ug/kg	1700	220	10
Fluoranthene	46000		ug/kg	1200	240	10
Naphthalene	1500	J	ug/kg	2100	250	10
Benzo(a)anthracene	21000		ug/kg	1200	230	10
Benzo(a)pyrene	21000		ug/kg	1700	510	10
Benzo(b)fluoranthene	22000		ug/kg	1200	350	10
Benzo(k)fluoranthene	6900		ug/kg	1200	330	10
Chrysene	20000		ug/kg	1200	220	10
Acenaphthylene	1600	J	ug/kg	1700	320	10
Anthracene	8300		ug/kg	1200	400	10
Benzo(ghi)perylene	12000		ug/kg	1700	240	10
Fluorene	3000		ug/kg	2100	200	10
Phenanthrene	34000		ug/kg	1200	250	10
Dibenzo(a,h)anthracene	2800		ug/kg	1200	240	10
Indeno(1,2,3-cd)pyrene	10000		ug/kg	1700	290	10
Pyrene	45000		ug/kg	1200	210	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	99		30-120
4-Terphenyl-d14	95		18-120

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-05
Client ID: GP-4 15-16
Sample Location: SCHENECTADY,NY

Date Collected: 11/29/23 11:45
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 12/02/23 06:04
Analyst: IM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 12/01/23 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	130	J	ug/kg	150	19.	1
Fluoranthene	3100		ug/kg	110	21.	1
Naphthalene	750		ug/kg	180	23.	1
Benzo(a)anthracene	1500		ug/kg	110	21.	1
Benzo(a)pyrene	1600		ug/kg	150	45.	1
Benzo(b)fluoranthene	1600		ug/kg	110	31.	1
Benzo(k)fluoranthene	520		ug/kg	110	30.	1
Chrysene	1300		ug/kg	110	19.	1
Acenaphthylene	520		ug/kg	150	29.	1
Anthracene	770		ug/kg	110	36.	1
Benzo(ghi)perylene	950		ug/kg	150	22.	1
Fluorene	370		ug/kg	180	18.	1
Phenanthrene	2300		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	180		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	150	26.	1
Pyrene	2900		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	67		30-120
4-Terphenyl-d14	65		18-120

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588
Lab Number: L2370406
Report Date: 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-06
Client ID: GP-5 1-2
Sample Location: SCHENECTADY,NY
Date Collected: 11/29/23 13:30
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 12/02/23 06:52
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 12/01/23 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	41	J	ug/kg	140	19.	1
Fluoranthene	2600		ug/kg	110	21.	1
Naphthalene	130	J	ug/kg	180	22.	1
Benzo(a)anthracene	1800		ug/kg	110	20.	1
Benzo(a)pyrene	1900		ug/kg	140	44.	1
Benzo(b)fluoranthene	2200		ug/kg	110	31.	1
Benzo(k)fluoranthene	600		ug/kg	110	29.	1
Chrysene	1800		ug/kg	110	19.	1
Acenaphthylene	490		ug/kg	140	28.	1
Anthracene	390		ug/kg	110	36.	1
Benzo(ghi)perylene	1300		ug/kg	140	21.	1
Fluorene	64	J	ug/kg	180	18.	1
Phenanthrene	790		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	260		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1400		ug/kg	140	25.	1
Pyrene	3000		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	69		30-120
4-Terphenyl-d14	62		18-120

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-07
Client ID: GP-6 0-2
Sample Location: SCHENECTADY,NY

Date Collected: 11/29/23 14:30
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 12/02/23 03:42
Analyst: IM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 12/01/23 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Fluoranthene	79	J	ug/kg	120	23.	1
Naphthalene	ND		ug/kg	200	24.	1
Benzo(a)anthracene	41	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	56	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	45	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	47	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	51	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	38	J	ug/kg	160	27.	1
Pyrene	68	J	ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	78		30-120
4-Terphenyl-d14	74		18-120

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 12/01/23 22:39
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 12/01/23 02:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1858428-1					
Acenaphthene	ND		ug/kg	130	17.
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.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	93		18-120

ATTACHMENT 14

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370406

Report Date: 12/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1858428-2 WG1858428-3								
Acenaphthene	86		81		31-137	6		50
Fluoranthene	97		92		40-140	5		50
Naphthalene	95		86		40-140	10		50
Benzo(a)anthracene	100		93		40-140	7		50
Benzo(a)pyrene	108		98		40-140	10		50
Benzo(b)fluoranthene	102		88		40-140	15		50
Benzo(k)fluoranthene	95		92		40-140	3		50
Chrysene	103		94		40-140	9		50
Acenaphthylene	98		92		40-140	6		50
Anthracene	98		90		40-140	9		50
Benzo(ghi)perylene	101		90		40-140	12		50
Fluorene	92		86		40-140	7		50
Phenanthrene	94		88		40-140	7		50
Dibenzo(a,h)anthracene	100		91		40-140	9		50
Indeno(1,2,3-cd)pyrene	101		90		40-140	12		50
Pyrene	96		92		35-142	4		50

ATTACHMENT 14

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370406

Report Date: 12/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1858428-2 WG1858428-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	89		87		25-120
Phenol-d6	96		96		10-120
Nitrobenzene-d5	95		97		23-120
2-Fluorobiphenyl	91		88		30-120
2,4,6-Tribromophenol	105		105		10-136
4-Terphenyl-d14	88		87		18-120

ATTACHMENT 14

PCBS

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-01
Client ID: GP-1 13-16.5
Sample Location: SCHENECTADY,NY

Date Collected: 11/29/23 09:30
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/03/23 10:47
Analyst: ER
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/02/23 15:29
Cleanup Method: EPA 3665A
Cleanup Date: 12/03/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.2	4.90	1	A
Aroclor 1221	ND		ug/kg	55.2	5.53	1	A
Aroclor 1232	ND		ug/kg	55.2	11.7	1	A
Aroclor 1242	ND		ug/kg	55.2	7.44	1	A
Aroclor 1248	ND		ug/kg	55.2	8.28	1	A
Aroclor 1254	10.3	J	ug/kg	55.2	6.04	1	B
Aroclor 1260	ND		ug/kg	55.2	10.2	1	A
Aroclor 1262	ND		ug/kg	55.2	7.01	1	A
Aroclor 1268	ND		ug/kg	55.2	5.72	1	A
PCBs, Total	10.3	J	ug/kg	55.2	4.90	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/03/23 10:15
Analyst: ER

Extraction Method: EPA 3546
Extraction Date: 12/02/23 15:29
Cleanup Method: EPA 3665A
Cleanup Date: 12/03/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1859015-1						
Aroclor 1016	ND		ug/kg	49.6	4.41	A
Aroclor 1221	ND		ug/kg	49.6	4.98	A
Aroclor 1232	ND		ug/kg	49.6	10.5	A
Aroclor 1242	ND		ug/kg	49.6	6.69	A
Aroclor 1248	ND		ug/kg	49.6	7.45	A
Aroclor 1254	ND		ug/kg	49.6	5.43	A
Aroclor 1260	ND		ug/kg	49.6	9.18	A
Aroclor 1262	ND		ug/kg	49.6	6.30	A
Aroclor 1268	ND		ug/kg	49.6	5.14	A
PCBs, Total	ND		ug/kg	49.6	4.41	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	61		30-150	B

ATTACHMENT 14

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370406

Report Date: 12/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1859015-2 WG1859015-3									
Aroclor 1016	68		67		40-140	1		50	A
Aroclor 1260	70		69		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		65		30-150	A
Decachlorobiphenyl	72		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		64		30-150	B
Decachlorobiphenyl	64		65		30-150	B

ATTACHMENT 14

METALS

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-01 Date Collected: 11/29/23 09:30

Client ID: GP-1 13-16.5 Date Received: 11/29/23

Sample Location: SCHENECTADY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6300		mg/kg	8.95	2.42	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Antimony, Total	0.650	J	mg/kg	4.47	0.340	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Arsenic, Total	5.14		mg/kg	0.895	0.186	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Barium, Total	78.1		mg/kg	0.895	0.156	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Beryllium, Total	0.453		mg/kg	0.447	0.030	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Cadmium, Total	0.140	J	mg/kg	0.895	0.088	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Calcium, Total	32600		mg/kg	8.95	3.13	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Chromium, Total	9.01		mg/kg	0.895	0.086	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Cobalt, Total	4.26		mg/kg	1.79	0.148	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Copper, Total	63.9		mg/kg	0.895	0.231	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Iron, Total	10900		mg/kg	4.47	0.808	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Lead, Total	90.3		mg/kg	4.47	0.240	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Magnesium, Total	4030		mg/kg	8.95	1.38	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Manganese, Total	235		mg/kg	0.895	0.142	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Mercury, Total	0.183		mg/kg	0.077	0.050	1	12/01/23 00:30	12/01/23 18:03	EPA 7471B	1,7471B	GMG
Nickel, Total	9.31		mg/kg	2.24	0.216	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Potassium, Total	545		mg/kg	224	12.9	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Selenium, Total	ND		mg/kg	1.79	0.231	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Silver, Total	ND		mg/kg	0.447	0.253	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Sodium, Total	420		mg/kg	179	2.82	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Thallium, Total	ND		mg/kg	1.79	0.282	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Vanadium, Total	17.9		mg/kg	0.895	0.182	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY
Zinc, Total	64.2		mg/kg	4.47	0.262	2	11/30/23 23:15	12/01/23 21:48	EPA 3050B	1,6010D	CEY

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-02 Date Collected: 11/29/23 15:30

Client ID: GP-2 7-7.5 Date Received: 11/29/23

Sample Location: SCHENECTADY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9690		mg/kg	10.0	2.70	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Antimony, Total	1.01	J	mg/kg	5.01	0.381	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Arsenic, Total	7.82		mg/kg	1.00	0.208	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Barium, Total	61.9		mg/kg	1.00	0.174	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Beryllium, Total	0.982		mg/kg	0.501	0.033	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Cadmium, Total	0.140	J	mg/kg	1.00	0.098	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Calcium, Total	4220		mg/kg	10.0	3.51	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Chromium, Total	10.5		mg/kg	1.00	0.096	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Cobalt, Total	8.54		mg/kg	2.00	0.166	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Copper, Total	31.1		mg/kg	1.00	0.258	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Iron, Total	12200		mg/kg	5.01	0.904	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Lead, Total	103		mg/kg	5.01	0.268	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Magnesium, Total	967		mg/kg	10.0	1.54	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Manganese, Total	284		mg/kg	1.00	0.159	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Mercury, Total	0.134		mg/kg	0.091	0.059	1	12/01/23 00:30	12/01/23 18:07	EPA 7471B	1,7471B	GMG
Nickel, Total	17.7		mg/kg	2.50	0.242	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Potassium, Total	628		mg/kg	250	14.4	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Selenium, Total	ND		mg/kg	2.00	0.258	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Silver, Total	ND		mg/kg	0.501	0.283	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Sodium, Total	236		mg/kg	200	3.16	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Thallium, Total	ND		mg/kg	2.00	0.316	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Vanadium, Total	22.4		mg/kg	1.00	0.203	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY
Zinc, Total	75.2		mg/kg	5.01	0.294	2	11/30/23 23:15	12/01/23 22:35	EPA 3050B	1,6010D	CEY

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-03 Date Collected: 11/29/23 10:30

Client ID: GP-3 4-5 Date Received: 11/29/23

Sample Location: SCHENECTADY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6390		mg/kg	8.78	2.37	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Antimony, Total	1.16	J	mg/kg	4.39	0.334	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Arsenic, Total	8.40		mg/kg	0.878	0.183	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Barium, Total	56.6		mg/kg	0.878	0.153	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Beryllium, Total	0.463		mg/kg	0.439	0.029	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Cadmium, Total	0.324	J	mg/kg	0.878	0.086	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Calcium, Total	43400		mg/kg	8.78	3.07	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Chromium, Total	12.0		mg/kg	0.878	0.084	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Cobalt, Total	6.45		mg/kg	1.76	0.146	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Copper, Total	25.8		mg/kg	0.878	0.226	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Iron, Total	14500		mg/kg	4.39	0.793	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Lead, Total	148		mg/kg	4.39	0.235	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Magnesium, Total	11800		mg/kg	8.78	1.35	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Manganese, Total	328		mg/kg	0.878	0.140	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Mercury, Total	0.288		mg/kg	0.077	0.050	1	12/01/23 00:30	12/01/23 18:10	EPA 7471B	1,7471B	GMG
Nickel, Total	14.7		mg/kg	2.20	0.212	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Potassium, Total	544		mg/kg	220	12.6	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Selenium, Total	0.863	J	mg/kg	1.76	0.226	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Silver, Total	ND		mg/kg	0.439	0.248	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Sodium, Total	272		mg/kg	176	2.77	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Thallium, Total	ND		mg/kg	1.76	0.277	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Vanadium, Total	15.7		mg/kg	0.878	0.178	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY
Zinc, Total	82.2		mg/kg	4.39	0.257	2	11/30/23 23:15	12/01/23 22:39	EPA 3050B	1,6010D	CEY

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-04 Date Collected: 11/29/23 11:30

Client ID: GP-4 10-11 Date Received: 11/29/23

Sample Location: SCHENECTADY,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											
Aluminum, Total	3420		mg/kg	10.1	2.72	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Antimony, Total	3.65	J	mg/kg	5.04	0.383	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Arsenic, Total	12.3		mg/kg	1.01	0.210	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Barium, Total	59.3		mg/kg	1.01	0.175	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Beryllium, Total	0.457	J	mg/kg	0.504	0.033	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Cadmium, Total	1.29		mg/kg	1.01	0.099	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Calcium, Total	5950		mg/kg	10.1	3.53	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Chromium, Total	8.43		mg/kg	1.01	0.097	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Cobalt, Total	5.21		mg/kg	2.02	0.167	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Copper, Total	48.1		mg/kg	1.01	0.260	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Iron, Total	19300		mg/kg	5.04	0.911	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Lead, Total	399		mg/kg	5.04	0.270	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Magnesium, Total	1040		mg/kg	10.1	1.55	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Manganese, Total	156		mg/kg	1.01	0.160	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Mercury, Total	30.9		mg/kg	0.903	0.589	10	12/01/23 00:30	12/01/23 19:03	EPA 7471B	1,7471B	GMG
Nickel, Total	10.7		mg/kg	2.52	0.244	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Potassium, Total	323		mg/kg	252	14.5	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Selenium, Total	0.709	J	mg/kg	2.02	0.260	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Silver, Total	ND		mg/kg	0.504	0.285	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Sodium, Total	134	J	mg/kg	202	3.18	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Thallium, Total	ND		mg/kg	2.02	0.318	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Vanadium, Total	13.9		mg/kg	1.01	0.205	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY
Zinc, Total	550		mg/kg	5.04	0.295	2	11/30/23 23:15	12/01/23 22:44	EPA 3050B	1,6010D	CEY

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-05 Date Collected: 11/29/23 11:45

Client ID: GP-4 15-16 Date Received: 11/29/23

Sample Location: SCHENECTADY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5530		mg/kg	8.64	2.33	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Antimony, Total	0.383	J	mg/kg	4.32	0.328	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Arsenic, Total	2.09		mg/kg	0.864	0.180	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Barium, Total	23.5		mg/kg	0.864	0.150	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Beryllium, Total	0.327	J	mg/kg	0.432	0.029	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Cadmium, Total	0.105	J	mg/kg	0.864	0.085	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Calcium, Total	5460		mg/kg	8.64	3.02	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Chromium, Total	5.52		mg/kg	0.864	0.083	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Cobalt, Total	3.10		mg/kg	1.73	0.143	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Copper, Total	9.77		mg/kg	0.864	0.223	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Iron, Total	9480		mg/kg	4.32	0.780	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Lead, Total	33.2		mg/kg	4.32	0.232	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Magnesium, Total	1800		mg/kg	8.64	1.33	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Manganese, Total	143		mg/kg	0.864	0.137	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Mercury, Total	0.075	J	mg/kg	0.077	0.050	1	12/01/23 00:30	12/01/23 18:19	EPA 7471B	1,7471B	GMG
Nickel, Total	6.86		mg/kg	2.16	0.209	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Potassium, Total	256		mg/kg	216	12.4	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Selenium, Total	0.406	J	mg/kg	1.73	0.223	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Silver, Total	ND		mg/kg	0.432	0.244	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Sodium, Total	55.6	J	mg/kg	173	2.72	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Thallium, Total	ND		mg/kg	1.73	0.272	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Vanadium, Total	11.3		mg/kg	0.864	0.175	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY
Zinc, Total	48.3		mg/kg	4.32	0.253	2	11/30/23 23:15	12/01/23 22:48	EPA 3050B	1,6010D	CEY

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-06 Date Collected: 11/29/23 13:30

Client ID: GP-5 1-2 Date Received: 11/29/23

Sample Location: SCHENECTADY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4630		mg/kg	8.29	2.24	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Antimony, Total	1.37	J	mg/kg	4.14	0.315	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Arsenic, Total	8.12		mg/kg	0.829	0.172	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Barium, Total	96.1		mg/kg	0.829	0.144	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Beryllium, Total	0.456		mg/kg	0.414	0.027	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Cadmium, Total	0.309	J	mg/kg	0.829	0.081	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Calcium, Total	13000		mg/kg	8.29	2.90	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Chromium, Total	8.11		mg/kg	0.829	0.080	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Cobalt, Total	4.93		mg/kg	1.66	0.138	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Copper, Total	51.6		mg/kg	0.829	0.214	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Iron, Total	13300		mg/kg	4.14	0.749	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Lead, Total	249		mg/kg	4.14	0.222	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Magnesium, Total	1840		mg/kg	8.29	1.28	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Manganese, Total	187		mg/kg	0.829	0.132	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Mercury, Total	0.739		mg/kg	0.072	0.047	1	12/01/23 00:30	12/01/23 18:23	EPA 7471B	1,7471B	GMG
Nickel, Total	10.4		mg/kg	2.07	0.201	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Potassium, Total	441		mg/kg	207	11.9	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Selenium, Total	0.356	J	mg/kg	1.66	0.214	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Silver, Total	ND		mg/kg	0.414	0.235	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Sodium, Total	206		mg/kg	166	2.61	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Thallium, Total	ND		mg/kg	1.66	0.261	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Vanadium, Total	19.3		mg/kg	0.829	0.168	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY
Zinc, Total	178		mg/kg	4.14	0.243	2	11/30/23 23:15	12/01/23 22:52	EPA 3050B	1,6010D	CEY

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-07 Date Collected: 11/29/23 14:30

Client ID: GP-6 0-2 Date Received: 11/29/23

Sample Location: SCHENECTADY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9160		mg/kg	9.27	2.50	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Antimony, Total	1.18	J	mg/kg	4.63	0.352	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Arsenic, Total	8.36		mg/kg	0.927	0.193	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Barium, Total	42.5		mg/kg	0.927	0.161	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Beryllium, Total	0.466		mg/kg	0.463	0.031	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Cadmium, Total	0.367	J	mg/kg	0.927	0.091	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Calcium, Total	104000		mg/kg	9.27	3.24	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Chromium, Total	16.3		mg/kg	0.927	0.089	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Cobalt, Total	11.8		mg/kg	1.85	0.154	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Copper, Total	30.6		mg/kg	0.927	0.239	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Iron, Total	26700		mg/kg	46.3	8.37	20	11/30/23 23:15	12/02/23 13:03	EPA 3050B	1,6010D	JMF
Lead, Total	101		mg/kg	4.63	0.248	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Magnesium, Total	12400		mg/kg	9.27	1.43	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Manganese, Total	447		mg/kg	0.927	0.147	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Mercury, Total	0.126		mg/kg	0.078	0.051	1	12/01/23 00:30	12/01/23 18:26	EPA 7471B	1,7471B	GMG
Nickel, Total	29.4		mg/kg	2.32	0.224	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Potassium, Total	611		mg/kg	232	13.3	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Selenium, Total	ND		mg/kg	1.85	0.239	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Silver, Total	ND		mg/kg	0.463	0.262	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Sodium, Total	69.5	J	mg/kg	185	2.92	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Thallium, Total	ND		mg/kg	1.85	0.292	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Vanadium, Total	18.1		mg/kg	0.927	0.188	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY
Zinc, Total	110		mg/kg	4.63	0.272	2	11/30/23 23:15	12/01/23 22:57	EPA 3050B	1,6010D	CEY

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

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): 01-07 Batch: WG1858154-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Barium, Total	ND		mg/kg	0.400	0.070	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Calcium, Total	ND		mg/kg	4.00	1.40	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Copper, Total	ND		mg/kg	0.400	0.103	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Iron, Total	2.65		mg/kg	2.00	0.361	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Lead, Total	ND		mg/kg	2.00	0.107	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Potassium, Total	ND		mg/kg	100	5.76	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Silver, Total	ND		mg/kg	0.200	0.113	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Sodium, Total	7.76	J	mg/kg	80.0	1.26	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/30/23 23:15	12/01/23 19:40	1,6010D	CEY

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1858155-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	12/01/23 00:30	12/01/23 17:17	1,7471B	GMG

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

ATTACHMENT 14

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370406

Report Date: 12/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1858154-2 SRM Lot Number: D122-540								
Aluminum, Total	77		-		52-148	-		
Antimony, Total	139		-		6-194	-		
Arsenic, Total	98		-		81-119	-		
Barium, Total	102		-		83-117	-		
Beryllium, Total	107		-		83-117	-		
Cadmium, Total	97		-		83-117	-		
Calcium, Total	95		-		83-117	-		
Chromium, Total	103		-		82-118	-		
Cobalt, Total	97		-		84-117	-		
Copper, Total	92		-		84-116	-		
Iron, Total	96		-		65-135	-		
Lead, Total	97		-		83-117	-		
Magnesium, Total	86		-		80-120	-		
Manganese, Total	100		-		82-118	-		
Nickel, Total	100		-		83-117	-		
Potassium, Total	84		-		76-123	-		
Selenium, Total	102		-		81-119	-		
Silver, Total	100		-		80-120	-		
Sodium, Total	105		-		75-125	-		
Thallium, Total	99		-		81-119	-		
Vanadium, Total	94		-		80-120	-		

ATTACHMENT 14

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370406

Report Date: 12/06/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1858154-2 SRM Lot Number: D122-540					
Zinc, Total	96	-	82-119	-	
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1858155-2 SRM Lot Number: D122-540					
Mercury, Total	117	-	73-127	-	

ATTACHMENT 14

Matrix Spike Analysis
Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588

Lab Number: L2370406
Report Date: 12/06/23

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): 01-07 QC Batch ID: WG1858154-3 QC Sample: L2370366-01 Client ID: MS Sample												
Aluminum, Total	10900	167	12500	**958**	Q	-	-		75-125	-		20
Antimony, Total	0.917J	41.8	42.5	102		-	-		75-125	-		20
Arsenic, Total	6.16	10	16.5	103		-	-		75-125	-		20
Barium, Total	28.7	167	201	103		-	-		75-125	-		20
Beryllium, Total	0.472	4.18	4.92	106		-	-		75-125	-		20
Cadmium, Total	0.165J	4.43	4.46	101		-	-		75-125	-		20
Calcium, Total	3760	835	4260	**60**	Q	-	-		75-125	-		20
Chromium, Total	15.2	16.7	33.8	111		-	-		75-125	-		20
Cobalt, Total	10.2	41.8	52.5	101		-	-		75-125	-		20
Copper, Total	23.4	20.9	45.4	105		-	-		75-125	-		20
Iron, Total	24100	83.5	26400	**2750**	Q	-	-		75-125	-		20
Lead, Total	13.0	44.3	56.4	98		-	-		75-125	-		20
Magnesium, Total	6100	835	6610	**61**	Q	-	-		75-125	-		20
Manganese, Total	666	41.8	689	**55**	Q	-	-		75-125	-		20
Nickel, Total	22.6	41.8	64.7	101		-	-		75-125	-		20
Potassium, Total	360	835	1240	105		-	-		75-125	-		20
Selenium, Total	ND	10	10.0	100		-	-		75-125	-		20
Silver, Total	ND	4.18	4.40	105		-	-		75-125	-		20
Sodium, Total	31.8J	835	911	109		-	-		75-125	-		20
Thallium, Total	ND	10	10.0	100		-	-		75-125	-		20
Vanadium, Total	14.6	41.8	55.1	97		-	-		75-125	-		20

ATTACHMENT 14

Matrix Spike Analysis
Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588
Lab Number: L2370406
Report Date: 12/06/23

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): 01-07 QC Batch ID: WG1858154-3 QC Sample: L2370366-01 Client ID: MS Sample									
Zinc, Total	75.6	41.8	121	109	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1858155-3 QC Sample: L2370366-01 Client ID: MS Sample									
Mercury, Total	0.237	1.39	1.44	86	-	-	80-120	-	20

ATTACHMENT 14

Lab Duplicate Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370406

Report Date: 12/06/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1858154-4 QC Sample: L2370366-01 Client ID: DUP Sample						
Aluminum, Total	10900	12400	mg/kg	13		20
Antimony, Total	0.917J	1.23J	mg/kg	NC		20
Arsenic, Total	6.16	6.93	mg/kg	12		20
Barium, Total	28.7	33.4	mg/kg	15		20
Beryllium, Total	0.472	0.522	mg/kg	10		20
Cadmium, Total	0.165J	0.183J	mg/kg	NC		20
Calcium, Total	3760	3910	mg/kg	4		20
Chromium, Total	15.2	17.7	mg/kg	15		20
Cobalt, Total	10.2	12.3	mg/kg	19		20
Copper, Total	23.4	27.2	mg/kg	15		20
Iron, Total	24100	26400	mg/kg	9		20
Lead, Total	13.0	14.9	mg/kg	14		20
Magnesium, Total	6100	6270	mg/kg	3		20
Manganese, Total	666	734	mg/kg	10		20
Nickel, Total	22.6	26.1	mg/kg	14		20
Potassium, Total	360	397	mg/kg	10		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	31.8J	32.9J	mg/kg	NC		20

ATTACHMENT 14

Lab Duplicate Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370406

Report Date: 12/06/23

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1858154-4 QC Sample: L2370366-01 Client ID: DUP Sample						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	14.6	15.8	mg/kg	8		20
Zinc, Total	75.6	82.2	mg/kg	8		20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1858155-4 QC Sample: L2370366-01 Client ID: DUP Sample						
Mercury, Total	0.237	0.074	mg/kg	**105**	Q	20

ATTACHMENT 14

INORGANICS
&
MISCELLANEOUS

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588

Lab Number: L2370406
Report Date: 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-01
Client ID: GP-1 13-16.5
Sample Location: SCHENECTADY,NY

Date Collected: 11/29/23 09:30
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.1		%	0.100	NA	1	-	11/30/23 10:51	121,2540G	GAG

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588

Lab Number: L2370406
Report Date: 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-02
Client ID: GP-2 7-7.5
Sample Location: SCHENECTADY,NY

Date Collected: 11/29/23 15:30
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.0		%	0.100	NA	1	-	11/30/23 10:51	121,2540G	GAG

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588
Lab Number: L2370406
Report Date: 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-03
Client ID: GP-3 4-5
Sample Location: SCHENECTADY,NY
Sample Depth:
Matrix: Soil

Date Collected: 11/29/23 10:30
Date Received: 11/29/23
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	87.8		%	0.100	NA	1	-	11/30/23 15:19	121,2540G	SJB

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588

Lab Number: L2370406
Report Date: 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-04
Client ID: GP-4 10-11
Sample Location: SCHENECTADY,NY

Date Collected: 11/29/23 11:30
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	11/30/23 15:19	121,2540G	SJB

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588

Lab Number: L2370406
Report Date: 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-05
Client ID: GP-4 15-16
Sample Location: SCHENECTADY,NY

Date Collected: 11/29/23 11:45
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	11/30/23 15:19	121,2540G	SJB

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588

Lab Number: L2370406
Report Date: 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-06
Client ID: GP-5 1-2
Sample Location: SCHENECTADY,NY

Date Collected: 11/29/23 13:30
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	11/30/23 15:19	121,2540G	SJB

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588

Lab Number: L2370406
Report Date: 12/06/23

SAMPLE RESULTS

Lab ID: L2370406-07
Client ID: GP-6 0-2
Sample Location: SCHENECTADY,NY

Date Collected: 11/29/23 14:30
Date Received: 11/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	11/30/23 15:19	121,2540G	SJB

ATTACHMENT 14

Lab Duplicate Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370406

Report Date: 12/06/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1858097-1 QC Sample: L2370378-01 Client ID: DUP Sample						
Solids, Total	94.8	94.8	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 03-07 QC Batch ID: WG1858242-1 QC Sample: L2370240-01 Client ID: DUP Sample						
Solids, Total	78.4	77.6	%	1		20

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588

ATTACHMENT 14

Lab Number: L2370406
Report Date: 12/06/23

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(*)
L2370406-01A	Vial MeOH preserved	A	NA		4.8	Y	Absent		NYTCL-8260HLW-R2(14)
L2370406-01B	Vial water preserved	A	NA		4.8	Y	Absent	30-NOV-23 04:44	NYTCL-8260HLW-R2(14)
L2370406-01C	Vial water preserved	A	NA		4.8	Y	Absent	30-NOV-23 04:44	NYTCL-8260HLW-R2(14)
L2370406-01D	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		TS(7)
L2370406-01E	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		TS(7)
L2370406-01F	Plastic 120ml unpreserved	A	NA		4.8	Y	Absent		TS(7)
L2370406-01G	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2370406-01H	Glass 60mL/2oz unpreserved	B	NA		4.8	Y	Absent		NYCP51-PAH(14),NYTCL-8082(365)
L2370406-01I	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		NYCP51-PAH(14),NYTCL-8082(365)
L2370406-02A	Vial MeOH preserved	A	NA		4.8	Y	Absent		NYTCL-8260HLW-R2(14)
L2370406-02B	Vial water preserved	A	NA		4.8	Y	Absent	30-NOV-23 04:44	NYTCL-8260HLW-R2(14)
L2370406-02C	Vial water preserved	A	NA		4.8	Y	Absent	30-NOV-23 04:44	NYTCL-8260HLW-R2(14)
L2370406-02D	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		TS(7)
L2370406-02E	Plastic 120ml unpreserved	A	NA		4.8	Y	Absent		TS(7)
L2370406-02F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2370406-02G	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		NYCP51-PAH(14)
L2370406-03A	Vial MeOH preserved	A	NA		4.8	Y	Absent		NYTCL-8260HLW-R2(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2370406-03B	Vial water preserved	A	NA		4.8	Y	Absent	30-NOV-23 04:44	NYTCL-8260HLW-R2(14)
L2370406-03C	Vial water preserved	A	NA		4.8	Y	Absent	30-NOV-23 04:44	NYTCL-8260HLW-R2(14)
L2370406-03D	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		TS(7)
L2370406-03E	Plastic 120ml unpreserved	A	NA		4.8	Y	Absent		TS(7)
L2370406-03F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2370406-03G	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		NYCP51-PAH(14)
L2370406-04A	Vial MeOH preserved	A	NA		4.8	Y	Absent		NYTCL-8260HLW-R2(14)
L2370406-04B	Vial water preserved	A	NA		4.8	Y	Absent	30-NOV-23 04:44	NYTCL-8260HLW-R2(14)
L2370406-04C	Vial water preserved	A	NA		4.8	Y	Absent	30-NOV-23 04:44	NYTCL-8260HLW-R2(14)
L2370406-04D	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		TS(7)
L2370406-04E	Plastic 120ml unpreserved	A	NA		4.8	Y	Absent		TS(7)
L2370406-04F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2370406-04G	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		NYCP51-PAH(14)
L2370406-05A	Vial MeOH preserved	A	NA		4.8	Y	Absent		NYTCL-8260HLW-R2(14)
L2370406-05B	Vial water preserved	A	NA		4.8	Y	Absent	30-NOV-23 04:44	NYTCL-8260HLW-R2(14)
L2370406-05C	Vial water preserved	A	NA		4.8	Y	Absent	30-NOV-23 04:44	NYTCL-8260HLW-R2(14)
L2370406-05D	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		TS(7)
L2370406-05E	Plastic 120ml unpreserved	A	NA		4.8	Y	Absent		TS(7)
L2370406-05F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2370406-05G	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		NYCP51-PAH(14)
L2370406-06A	Vial MeOH preserved	A	NA		4.8	Y	Absent		NYTCL-8260HLW-R2(14)

*Values in parentheses indicate holding time in days

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588

ATTACHMENT 14

Lab Number: L2370406
Report Date: 12/06/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2370406-06B	Vial water preserved	A	NA		4.8	Y	Absent	30-NOV-23 04:44	NYTCL-8260HLW-R2(14)
L2370406-06C	Vial water preserved	A	NA		4.8	Y	Absent	30-NOV-23 04:44	NYTCL-8260HLW-R2(14)
L2370406-06D	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		TS(7)
L2370406-06E	Plastic 120ml unpreserved	A	NA		4.8	Y	Absent		TS(7)
L2370406-06F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2370406-06G	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		NYCP51-PAH(14)
L2370406-07A	Vial MeOH preserved	A	NA		4.8	Y	Absent		NYTCL-8260HLW-R2(14)
L2370406-07B	Vial water preserved	A	NA		4.8	Y	Absent	30-NOV-23 04:44	NYTCL-8260HLW-R2(14)
L2370406-07C	Vial water preserved	A	NA		4.8	Y	Absent	30-NOV-23 04:44	NYTCL-8260HLW-R2(14)
L2370406-07D	Plastic 2oz unpreserved for TS	B	NA		4.8	Y	Absent		TS(7)
L2370406-07E	Plastic 120ml unpreserved	A	NA		4.8	Y	Absent		TS(7)
L2370406-07F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2370406-07G	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		NYCP51-PAH(14)

*Values in parentheses indicate holding time in days

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

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:	SCHENECTADY 40 ANCHOR SITE	**Lab Number:**	L2370406
Project Number:	23.3588	**Report Date:**	12/06/23

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:	SCHENECTADY 40 ANCHOR SITE	**Lab Number:**	L2370406
Project Number:	23.3588	**Report Date:**	12/06/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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.)

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370406

Project Number: 23.3588 **Report Date:** 12/06/23

REFERENCES

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

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 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 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 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).
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.

ATTACHMENT 14

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: 11/30/23

ALPHA Job #: L2370406

Client Information

Client: C.T. Male Associates
Address: 50 Century Hill Drive, Latham, NY 12110
Phone: (518) 786-7400
Fax:
Email: A.Smith@ctmale.com

Project Information

Project Name: Schenectady 40 Anchor Site
Project Location: Schenectady, NY
Project # 23.3588
(Use Project name as Project #) ☐
Project Manager: Aimee Smith
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL/CP-51 VOCs by 8260	CP-51 SVOCs by 8270	TAL Metals	PCBs by 8082	Sample Specific Comments	Total Bottle
70406-01	GP-1 13-16.5	11/29/23	0930	S	RH	X	X	X	X		9
02	GP-2 7-7.5		1530		RH	X	X	X			7
03	GP-3 4-5		1030		RH	X	X	X			7
04	GP-4 10-11		1130		RH	X	X	X			7
05	GP-4 15-16		1145		RH	X	X	X			7
06	GP-5 1-2		1330		RH	X	X	X			7
07	GP-6 0-2		1430		RH	X	X	X			7

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	PV	A	A	A			
Preservative	AFO	A	A	A			

Relinquished By:	Date/Time	Received By:	Date/Time
	11/29/23 1745	Secure Storage ALB	11/29/23 1745
Secure Storage ALB	11/29/23 2114		11/29/23 2114
	11/29/23 2114		11/30/23 00:30

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)

APPENDIX G

Laboratory Analysis Report for Groundwater

ATTACHMENT 14

ANALYTICAL REPORT

Lab Number:	L2370570
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12110
ATTN:	Aimee Smith
Phone:	(518) 786-7400
Project Name:	SCHENECTADY 40 ANCHOR SITE
Project Number:	23.3588
Report Date:	12/07/23

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

ATTACHMENT 14

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588

Lab Number: L2370570
Report Date: 12/07/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2370570-01	TRIP BLANK	WATER	SCHENECTADY, NY	11/30/23 00:00	11/30/23
L2370570-02	MW-1	WATER	SCHENECTADY, NY	11/30/23 10:10	11/30/23
L2370570-03	MW-3	WATER	SCHENECTADY, NY	11/30/23 10:55	11/30/23
L2370570-04	MW-4	WATER	SCHENECTADY, NY	11/30/23 11:45	11/30/23
L2370570-05	MW-6	WATER	SCHENECTADY, NY	11/30/23 12:30	11/30/23

ATTACHMENT 14

Project Name:	SCHENECTADY 40 ANCHOR SITE	**Lab Number:**	L2370570
Project Number:	23.3588	**Report Date:**	12/07/23

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: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570
Project Number: 23.3588 **Report Date:** 12/07/23

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

L2370570-04: The collection date and time on the chain of custody was 30-NOV-23 11:45; however, the collection date/time on the container label was 30-NOV-23 12:30. At the client's request, the collection date/time is reported as 30-NOV-23 11:45.

L2370570-05: The collection date and time on the chain of custody was 30-NOV-23 12:30; however, the collection date/time on the container label was 30-NOV-23 11:45. At the client's request, the collection date/time is reported as 30-NOV-23 12:30.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 12/07/23

ORGANICS

ATTACHMENT 14

VOLATILES

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

ATTACHMENT 14

SAMPLE RESULTS

Lab ID: L2370570-01
Client ID: TRIP BLANK
Sample Location: SCHENECTADY, NY

Date Collected: 11/30/23 00:00
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/02/23 11:03
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: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

ATTACHMENT 14

SAMPLE RESULTS

Lab ID: L2370570-01 Date Collected: 11/30/23 00:00

Client ID: TRIP BLANK Date Received: 11/30/23

Sample Location: SCHENECTADY, 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	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	112		70-130

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

ATTACHMENT 14

SAMPLE RESULTS

Lab ID: L2370570-02
Client ID: MW-1
Sample Location: SCHENECTADY, NY

Date Collected: 11/30/23 10:10
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/02/23 10:41
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: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

ATTACHMENT 14

SAMPLE RESULTS

Lab ID: L2370570-02 Date Collected: 11/30/23 10:10

Client ID: MW-1 Date Received: 11/30/23

Sample Location: SCHENECTADY, 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	113		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	109		70-130

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

ATTACHMENT 14

SAMPLE RESULTS

Lab ID: L2370570-03
Client ID: MW-3
Sample Location: SCHENECTADY, NY

Date Collected: 11/30/23 10:55
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/02/23 10:19
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: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

ATTACHMENT 14

SAMPLE RESULTS

Lab ID: L2370570-03 Date Collected: 11/30/23 10:55

Client ID: MW-3 Date Received: 11/30/23

Sample Location: SCHENECTADY, 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	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	108		70-130

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

ATTACHMENT 14

SAMPLE RESULTS

Lab ID: L2370570-04
Client ID: MW-4
Sample Location: SCHENECTADY, NY

Date Collected: 11/30/23 11:45
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/02/23 09:57
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: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

ATTACHMENT 14

SAMPLE RESULTS

Lab ID: L2370570-04 Date Collected: 11/30/23 11:45

Client ID: MW-4 Date Received: 11/30/23

Sample Location: SCHENECTADY, 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	5.9		ug/l	2.5	0.70	1
sec-Butylbenzene	4.8		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	3.8		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	12		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	28		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	112		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	109		70-130

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

ATTACHMENT 14

SAMPLE RESULTS

Lab ID: L2370570-05
Client ID: MW-6
Sample Location: SCHENECTADY, NY

Date Collected: 11/30/23 12:30
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/02/23 09:34
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: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

ATTACHMENT 14

SAMPLE RESULTS

Lab ID: L2370570-05 Date Collected: 11/30/23 12:30

Client ID: MW-6 Date Received: 11/30/23

Sample Location: SCHENECTADY, 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	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	111		70-130

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/02/23 07:34
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1860001-5					
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

ATTACHMENT 14

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/02/23 07:34
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1860001-5					
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

ATTACHMENT 14

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/02/23 07:34
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1860001-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	109		70-130

ATTACHMENT 14

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370570

Report Date: 12/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1860001-3 WG1860001-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	120		120		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	100		110		63-130	10		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		110		67-130	10		20
trans-1,3-Dichloropropene	100		110		70-130	10		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	110		110		54-136	0		20
1,1,2,2-Tetrachloroethane	100		99		67-130	1		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	94		97		64-130	3		20
Bromomethane	96		99		39-139	3		20
Vinyl chloride	88		92		55-140	4		20

ATTACHMENT 14

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370570

Report Date: 12/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1860001-3 WG1860001-4								
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	110		110		70-130	0		20
1,2-Dichlorobenzene	110		110		70-130	0		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	83		86		36-147	4		20
Acetone	120		120		58-148	0		20
Carbon disulfide	97		100		51-130	3		20
2-Butanone	100		110		63-138	10		20
4-Methyl-2-pentanone	93		94		59-130	1		20
2-Hexanone	96		99		57-130	3		20
1,2-Dibromoethane	110		100		70-130	10		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	100		100		41-144	0		20

ATTACHMENT 14

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370570

Report Date: 12/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1860001-3 WG1860001-4								
Isopropylbenzene	110		100		70-130	10		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	99		98		70-130	1		20
n-Propylbenzene	110		100		69-130	10		20
1,2,4-Trichlorobenzene	110		110		70-130	0		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
Methyl Acetate	100		110		70-130	10		20
Cyclohexane	100		110		70-130	10		20
Freon-113	100		110		70-130	10		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		112		70-130
Toluene-d8	102		100		70-130
4-Bromofluorobenzene	101		98		70-130
Dibromofluoromethane	107		107		70-130

SEMIVOLATILES

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588

Lab Number: L2370570
Report Date: 12/07/23

ATTACHMENT 14

SAMPLE RESULTS

Lab ID: L2370570-02
Client ID: MW-1
Sample Location: SCHENECTADY, NY

Date Collected: 11/30/23 10:10
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 12/05/23 15:03
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/04/23 05:51

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
Fluoranthene	ND		ug/l	0.10	0.02	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	87		15-120
4-Terphenyl-d14	96		41-149

Project Name: SCHENECTADY 40 ANCHOR SITE
Lab Number: L2370570
Project Number: 23.3588
Report Date: 12/07/23

ATTACHMENT 14

SAMPLE RESULTS

Lab ID: L2370570-03
Client ID: MW-3
Sample Location: SCHENECTADY, NY

Date Collected: 11/30/23 10:55
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 12/05/23 15:36
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/04/23 05:51

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	62		15-120
4-Terphenyl-d14	82		41-149

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588
Lab Number: L2370570
Report Date: 12/07/23

ATTACHMENT 14

SAMPLE RESULTS

Lab ID: L2370570-04
Client ID: MW-4
Sample Location: SCHENECTADY, NY

Date Collected: 11/30/23 11:45
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 12/05/23 15:52
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/04/23 05:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.13		ug/l	0.10	0.01	1
Fluoranthene	0.20		ug/l	0.10	0.02	1
Naphthalene	0.15		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.05	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.03	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Chrysene	0.03	J	ug/l	0.10	0.01	1
Acenaphthylene	0.05	J	ug/l	0.10	0.01	1
Anthracene	0.06	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01	1
Fluorene	0.11		ug/l	0.10	0.01	1
Phenanthrene	0.34		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01	1
Pyrene	0.15		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	67		15-120
4-Terphenyl-d14	89		41-149

Project Name: SCHENECTADY 40 ANCHOR SITE
Lab Number: L2370570
Project Number: 23.3588
Report Date: 12/07/23

ATTACHMENT 14

SAMPLE RESULTS

Lab ID: L2370570-05
Client ID: MW-6
Sample Location: SCHENECTADY, NY

Date Collected: 11/30/23 12:30
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 12/05/23 16:08
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/04/23 05:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	58		15-120
4-Terphenyl-d14	58		41-149

ATTACHMENT 14

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 12/05/23 14:47
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 12/04/23 05:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02-05 Batch: WG1859310-1					
Acenaphthene	ND		ug/l	0.10	0.01
Fluoranthene	ND		ug/l	0.10	0.02
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	78		15-120
4-Terphenyl-d14	103		41-149

ATTACHMENT 14

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370570

Report Date: 12/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02-05 Batch: WG1859310-2 WG1859310-3								
Acenaphthene	63		65		40-140	3		40
Fluoranthene	70		71		40-140	1		40
Naphthalene	62		63		40-140	2		40
Benzo(a)anthracene	71		74		40-140	4		40
Benzo(a)pyrene	74		76		40-140	3		40
Benzo(b)fluoranthene	77		84		40-140	9		40
Benzo(k)fluoranthene	76		74		40-140	3		40
Chrysene	66		68		40-140	3		40
Acenaphthylene	64		66		40-140	3		40
Anthracene	71		73		40-140	3		40
Benzo(ghi)perylene	74		77		40-140	4		40
Fluorene	64		66		40-140	3		40
Phenanthrene	67		69		40-140	3		40
Dibenzo(a,h)anthracene	81		84		40-140	4		40
Indeno(1,2,3-cd)pyrene	83		88		40-140	6		40
Pyrene	70		70		40-140	0		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	80		80		23-120
2-Fluorobiphenyl	65		64		15-120
4-Terphenyl-d14	70		68		41-149

PCBS

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

ATTACHMENT 14

SAMPLE RESULTS

Lab ID: L2370570-02
Client ID: MW-1
Sample Location: SCHENECTADY, NY

Date Collected: 11/30/23 10:10
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/05/23 12:38
Analyst: ER

Extraction Method: EPA 3510C
Extraction Date: 12/04/23 09:33
Cleanup Method: EPA 3665A
Cleanup Date: 12/04/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	43		30-150	B

ATTACHMENT 14

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/04/23 12:31
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 12/03/23 12:29
Cleanup Method: EPA 3665A
Cleanup Date: 12/04/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02 Batch: WG1859174-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	63		30-150	B

ATTACHMENT 14

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370570

Report Date: 12/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02 Batch: WG1859174-2 WG1859174-3									
Aroclor 1016	65		62		40-140	4		50	A
Aroclor 1260	58		59		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		68		30-150	A
Decachlorobiphenyl	56		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		72		30-150	B
Decachlorobiphenyl	64		67		30-150	B

ATTACHMENT 14

METALS

ATTACHMENT 14

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

SAMPLE RESULTS

Lab ID: L2370570-02 Date Collected: 11/30/23 10:10

Client ID: MW-1 Date Received: 11/30/23

Sample Location: SCHENECTADY, 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	3.05		mg/l	0.0100	0.00327	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00427		mg/l	0.00050	0.00016	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Barium, Total	0.1166		mg/l	0.00050	0.00017	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Beryllium, Total	0.00036	J	mg/l	0.00050	0.00010	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Cadmium, Total	0.00020		mg/l	0.00020	0.00005	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Calcium, Total	207.		mg/l	0.100	0.0394	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00642		mg/l	0.00100	0.00017	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Cobalt, Total	0.00567		mg/l	0.00050	0.00016	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Copper, Total	0.01518		mg/l	0.00100	0.00038	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Iron, Total	9.44		mg/l	0.0500	0.0191	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Lead, Total	0.01829		mg/l	0.00100	0.00034	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Magnesium, Total	24.3		mg/l	0.0700	0.0242	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Manganese, Total	0.5998		mg/l	0.00100	0.00044	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/01/23 22:25	12/05/23 15:19	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00820		mg/l	0.00200	0.00055	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Potassium, Total	3.75		mg/l	0.100	0.0309	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Selenium, Total	0.0140		mg/l	0.00500	0.00173	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Sodium, Total	271.		mg/l	1.00	0.293	10	12/01/23 18:11	12/04/23 07:48	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Vanadium, Total	0.00918		mg/l	0.00500	0.00157	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP
Zinc, Total	0.03728		mg/l	0.01000	0.00341	1	12/01/23 18:11	12/04/23 00:03	EPA 3005A	1,6020B	WKP

ATTACHMENT 14

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

SAMPLE RESULTS

Lab ID: L2370570-03 Date Collected: 11/30/23 10:55

Client ID: MW-3 Date Received: 11/30/23

Sample Location: SCHENECTADY, 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	3.86		mg/l	0.0100	0.00327	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Antimony, Total	0.00054	J	mg/l	0.00400	0.00042	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00526		mg/l	0.00050	0.00016	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Barium, Total	0.1002		mg/l	0.00050	0.00017	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Beryllium, Total	0.00043	J	mg/l	0.00050	0.00010	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Cadmium, Total	0.00015	J	mg/l	0.00020	0.00005	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Calcium, Total	153.		mg/l	0.100	0.0394	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00626		mg/l	0.00100	0.00017	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Cobalt, Total	0.00454		mg/l	0.00050	0.00016	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Copper, Total	0.02087		mg/l	0.00100	0.00038	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Iron, Total	9.53		mg/l	0.0500	0.0191	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Lead, Total	0.05199		mg/l	0.00100	0.00034	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Magnesium, Total	22.0		mg/l	0.0700	0.0242	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Manganese, Total	0.5298		mg/l	0.00100	0.00044	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Mercury, Total	0.00022		mg/l	0.00020	0.00009	1	12/01/23 22:25	12/05/23 15:22	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00860		mg/l	0.00200	0.00055	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Potassium, Total	5.49		mg/l	0.100	0.0309	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Selenium, Total	0.00953		mg/l	0.00500	0.00173	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Sodium, Total	354.		mg/l	1.00	0.293	10	12/01/23 18:11	12/04/23 07:53	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Vanadium, Total	0.01023		mg/l	0.00500	0.00157	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP
Zinc, Total	0.05670		mg/l	0.01000	0.00341	1	12/01/23 18:11	12/04/23 00:08	EPA 3005A	1,6020B	WKP

ATTACHMENT 14

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

SAMPLE RESULTS

Lab ID: L2370570-04 Date Collected: 11/30/23 11:45

Client ID: MW-4 Date Received: 11/30/23

Sample Location: SCHENECTADY, 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	0.892		mg/l	0.0100	0.00327	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00503		mg/l	0.00050	0.00016	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Barium, Total	0.05976		mg/l	0.00050	0.00017	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Calcium, Total	138.		mg/l	0.100	0.0394	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00129		mg/l	0.00100	0.00017	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Cobalt, Total	0.00171		mg/l	0.00050	0.00016	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Copper, Total	0.00371		mg/l	0.00100	0.00038	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Iron, Total	4.71		mg/l	0.0500	0.0191	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Lead, Total	0.02067		mg/l	0.00100	0.00034	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Magnesium, Total	11.7		mg/l	0.0700	0.0242	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Manganese, Total	1.852		mg/l	0.00100	0.00044	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/01/23 22:25	12/05/23 15:26	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00193	J	mg/l	0.00200	0.00055	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Potassium, Total	5.47		mg/l	0.100	0.0309	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Sodium, Total	83.4		mg/l	0.100	0.0293	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Vanadium, Total	0.00257	J	mg/l	0.00500	0.00157	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP
Zinc, Total	0.01574		mg/l	0.01000	0.00341	1	12/01/23 18:11	12/04/23 00:12	EPA 3005A	1,6020B	WKP

ATTACHMENT 14

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

SAMPLE RESULTS

Lab ID: L2370570-05 Date Collected: 11/30/23 12:30

Client ID: MW-6 Date Received: 11/30/23

Sample Location: SCHENECTADY, 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	0.192		mg/l	0.0100	0.00327	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00053		mg/l	0.00050	0.00016	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Barium, Total	0.03195		mg/l	0.00050	0.00017	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Calcium, Total	120.		mg/l	0.100	0.0394	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00104		mg/l	0.00100	0.00017	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Cobalt, Total	0.00074		mg/l	0.00050	0.00016	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Copper, Total	0.00111		mg/l	0.00100	0.00038	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Iron, Total	0.586		mg/l	0.0500	0.0191	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Lead, Total	0.00098	J	mg/l	0.00100	0.00034	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Magnesium, Total	18.3		mg/l	0.0700	0.0242	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Manganese, Total	0.09674		mg/l	0.00100	0.00044	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/01/23 22:25	12/05/23 15:29	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00124	J	mg/l	0.00200	0.00055	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Potassium, Total	6.34		mg/l	0.100	0.0309	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Sodium, Total	263.		mg/l	1.00	0.293	10	12/01/23 18:11	12/04/23 08:41	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP
Zinc, Total	0.00556	J	mg/l	0.01000	0.00341	1	12/01/23 18:11	12/04/23 00:27	EPA 3005A	1,6020B	WKP

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

ATTACHMENT 14

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): 02-05 Batch: WG1858585-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Barium, Total	ND		mg/l	0.00050	0.00017	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Calcium, Total	ND		mg/l	0.100	0.0394	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Chromium, Total	ND		mg/l	0.00100	0.00017	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Copper, Total	ND		mg/l	0.00100	0.00038	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Iron, Total	ND		mg/l	0.0500	0.0191	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Nickel, Total	ND		mg/l	0.00200	0.00055	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Potassium, Total	ND		mg/l	0.100	0.0309	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Sodium, Total	ND		mg/l	0.100	0.0293	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	12/01/23 18:11	12/03/23 21:37	1,6020B	WKP

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): 02-05 Batch: WG1858586-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/01/23 22:25	12/05/23 13:40	1,7470A	GMG

ATTACHMENT 14

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

ATTACHMENT 14

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370570

Report Date: 12/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-05 Batch: WG1858585-2								
Aluminum, Total	89		-		80-120	-		
Antimony, Total	103		-		80-120	-		
Arsenic, Total	102		-		80-120	-		
Barium, Total	106		-		80-120	-		
Beryllium, Total	97		-		80-120	-		
Cadmium, Total	104		-		80-120	-		
Calcium, Total	98		-		80-120	-		
Chromium, Total	109		-		80-120	-		
Cobalt, Total	105		-		80-120	-		
Copper, Total	109		-		80-120	-		
Iron, Total	110		-		80-120	-		
Lead, Total	107		-		80-120	-		
Magnesium, Total	104		-		80-120	-		
Manganese, Total	111		-		80-120	-		
Nickel, Total	103		-		80-120	-		
Potassium, Total	109		-		80-120	-		
Selenium, Total	89		-		80-120	-		
Silver, Total	104		-		80-120	-		
Sodium, Total	97		-		80-120	-		
Thallium, Total	102		-		80-120	-		
Vanadium, Total	107		-		80-120	-		

ATTACHMENT 14

Lab Control Sample Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370570

Report Date: 12/07/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-05 Batch: WG1858585-2					
Zinc, Total	113	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 02-05 Batch: WG1858586-2					
Mercury, Total	94	-	80-120	-	

ATTACHMENT 14

Matrix Spike Analysis
Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588
Lab Number: L2370570
Report Date: 12/07/23

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): 02-05 QC Batch ID: WG1858585-3 QC Sample: L2370188-01 Client ID: MS Sample												
Aluminum, Total	5.62	2	9.26	**182**	Q	-	-		75-125	-		20
Antimony, Total	0.0025J	0.5	0.3726	**74**	Q	-	-		75-125	-		20
Arsenic, Total	0.00379	0.12	0.09504	76		-	-		75-125	-		20
Barium, Total	0.04767	2	2.098	102		-	-		75-125	-		20
Beryllium, Total	0.0006	0.05	0.05196	103		-	-		75-125	-		20
Cadmium, Total	0.00013J	0.053	0.05397	102		-	-		75-125	-		20
Calcium, Total	102	10	139	**370**	Q	-	-		75-125	-		20
Chromium, Total	0.01122	0.2	0.2896	**139**	Q	-	-		75-125	-		20
Cobalt, Total	0.0135	0.5	0.5240	102		-	-		75-125	-		20
Copper, Total	0.0291	0.25	0.2789	100		-	-		75-125	-		20
Iron, Total	21.5	1	22.1	**60**	Q	-	-		75-125	-		20
Lead, Total	0.01872	0.53	0.5510	100		-	-		75-125	-		20
Magnesium, Total	53.5	10	71.6	**181**	Q	-	-		75-125	-		20
Manganese, Total	0.9024	0.5	1.606	**141**	Q	-	-		75-125	-		20
Nickel, Total	0.0211	0.5	0.7888	**154**	Q	-	-		75-125	-		20
Potassium, Total	4.27	10	16.1	118		-	-		75-125	-		20
Selenium, Total	0.00920	0.12	0.0822	**61**	Q	-	-		75-125	-		20
Silver, Total	0.00024J	0.05	0.05008	100		-	-		75-125	-		20
Sodium, Total	5.00	10	15.5	105		-	-		75-125	-		20
Thallium, Total	0.0002J	0.12	0.1157	96		-	-		75-125	-		20
Vanadium, Total	0.0128	0.5	0.5418	106		-	-		75-125	-		20

ATTACHMENT 14

Matrix Spike Analysis
Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588

Lab Number: L2370570
Report Date: 12/07/23

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): 02-05 QC Batch ID: WG1858585-3 QC Sample: L2370188-01 Client ID: MS Sample									
Zinc, Total	0.0578	0.5	0.5390	96	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1858586-3 QC Sample: L2370197-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00448	90	-	-	75-125	-	20

ATTACHMENT 14

Lab Duplicate Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE

Project Number: 23.3588

Lab Number: L2370570

Report Date: 12/07/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1858585-4 QC Sample: L2370188-01 Client ID: DUP Sample						
Arsenic, Total	0.00379	0.00425	mg/l	11		20
Barium, Total	0.04767	0.04768	mg/l	0		20
Cadmium, Total	0.00013J	0.00014J	mg/l	NC		20
Chromium, Total	0.01122	0.01160	mg/l	3		20
Lead, Total	0.01872	0.01866	mg/l	0		20
Selenium, Total	0.00920	0.00932	mg/l	1		20
Silver, Total	0.00024J	0.00023J	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1858586-4 QC Sample: L2370197-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

ATTACHMENT 14

Lab Serial Dilution Analysis

Batch Quality Control

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588

Lab Number: L2370570
Report Date: 12/07/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1858585-6 QC Sample: L2370188-01 Client ID: DUP Sample						
Barium, Total	0.04767	0.04644	mg/l	3		20

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588

ATTACHMENT 14

Lab Number: L2370570
Report Date: 12/07/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2370570-01A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2370570-01B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2370570-02A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2370570-02B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2370570-02C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2370570-02D	Plastic 500ml HNO3 preserved	A	<2	<2	2.8	Y	Absent		TL-6020T(180),FE-6020T(180),SE-6020T(180),BA-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),HG-T(28),MG-6020T(180),AG-6020T(180),CD-6020T(180),AL-6020T(180),CO-6020T(180)
L2370570-02E	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8082-LVI(365)
L2370570-02F	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8082-LVI(365)
L2370570-02G	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2370570-02H	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2370570-03A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2370570-03B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2370570-03C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2370570-03D	Plastic 500ml HNO3 preserved	A	<2	<2	2.8	Y	Absent		FE-6020T(180),TL-6020T(180),BA-6020T(180),SE-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AL-6020T(180),CD-6020T(180),MG-6020T(180),AG-6020T(180),HG-T(28),CO-6020T(180)
L2370570-03E	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		NYCP51-PAHSIM-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: SCHENECTADY 40 ANCHOR SITE
Project Number: 23.3588

ATTACHMENT 14

Lab Number: L2370570
Report Date: 12/07/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2370570-03F	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2370570-04A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2370570-04B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2370570-04C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2370570-04D	Plastic 500ml HNO3 preserved	A	<2	<2	2.8	Y	Absent		FE-6020T(180),TL-6020T(180),BA-6020T(180),SE-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),K-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),MG-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CD-6020T(180),CO-6020T(180)
L2370570-04E	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2370570-04F	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2370570-05A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2370570-05B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2370570-05C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2370570-05D	Plastic 500ml HNO3 preserved	A	<2	<2	2.8	Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),CR-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CO-6020T(180)
L2370570-05E	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		NYCP51-PAHSIM-LVI(7)
L2370570-05F	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		NYCP51-PAHSIM-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

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

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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:	SCHENECTADY 40 ANCHOR SITE	**Lab Number:**	L2370570
Project Number:	23.3588	**Report Date:**	12/07/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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.)

Project Name: SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2370570

Project Number: 23.3588 **Report Date:** 12/07/23

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 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 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 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).
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.

ATTACHMENT 14

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: 12/1/23

ALPHA Job #: L2370570

Client Information
Client: C.T. Male Associates
Address: 50 Century Hill Drive, Latham, NY 12110
Phone: (518) 786-7400
Fax:
Email: A.Smith@ctmale.com

Project Information
Project Name: Schenectady 40 Anchor Site
Project Location: Schenectady, NY
Project #: 23.3588
(Use Project name as Project #)
Project Manager: Aimee Smith
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.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL/CP-51 VOCs by 8260	CP-51 SVOCs by 8270	TAL Metals	PCBs by 8082	Sample Specific Comments	Total Bottle
70570-01	Trip Blank	11/30/23	—	W	—	x					2
-02	MW-1		1010	GW	RH	x	x	x	x		8
-03	MW-3		1055		RH	x	x	x			6
-04	MW-4		1145		RH	x	x	x			6
-05	MW-6		1230		RH	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	V	A	P	A
Preservative	B	A	C	A

Relinquished By:	Date/Time	Received By:	Date/Time
	11/30/23 1355	FAPC	11/30/23 1355
FAPC	11/30/23 1400		12/1/23 0202

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)