October 2, 2024

# Supplemental Subsurface 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

*Prepared for:*
ALBANY STATE STREET LIMITED PARTNERSHIP
8 West 38th Street, Suite 1102/1103
New York, NY 10018

*Certified To:*
The Land Reutilization Corporation of the Capital Region
D/B/A The Capital Region Land Bank

*Prepared by:*

C.T. MALE ASSOCIATES
50 Century Hill Drive
Latham, New York 12110
(518) 786-7400
FAX (518) 786-7299

*C.T. Male Project No: 23.3588*

# SUPPLEMENTAL SUBSURFACE ASSESSMENT REPORT
# SCHENECTADY 40 ANCHOR SITE



## TABLES FOLLOWING TEXT



## APPENDICES

# 1.0 INTRODUCTION

## 1.1 Project Background

This report presents the findings of a supplemental subsurface assessment 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 site is comprised of four (4) adjoining parcels of land identified as 742, 754 & 758 State Street and 749 Albany Street.

Prior assessments of the site include the following (Note: In some cases, parcels not included in the bounds of the current defined site were included in the below assessments; and in some cases, not all of the site parcels were included. These discrepancies are noted for each report):

- 2002 Phase I Environmental Site Assessment (ESA) of the Mohawk Honda Site at 728-756 State Street prepared by Northeastern Environmental Technologies Corp. (NETC) (included a review of off-site properties to the northwest that are not included in the site and did not include the 749 Albany Street parcel or the 758 State Street parcel.)
- 2003 Subsurface Investigation of the Mohawk Honda Site at 728-756 State Street prepared by NETC (included a review of off-site properties to the northwest that are not included in the site and did not include the 749 Albany Street parcel or the 758 State Street parcel.)
- 2003 Remedial Investigation & Tank Closure Program for the Mohawk Honda Site at 728-756 State Street prepared by NETC (included a review of off-site properties to the northwest that are not included in the site and did not include the 749 Albany Street parcel or the 758 State Street parcel.)
- 2023 Phase I ESA for the Mohawk Chevrolet Co Inc, Haraden Motorcar Corp, and Two Guys Realty LLC Property at 742, 754, 756 and 758 State Street prepared by LaBella Associates, D.P.C. (LaBella) (did not include the 749 Albany Street parcel).

- 2023 Phase II ESA for 742, 754, 756 and 758 State Street Site, prepared by LaBella (did not include the 749 Albany Street parcel.)
- 2023 Phase I ESA for the Vacant Lot at 749 Albany Street Site, prepared by C.T. Male (did not include the State Street parcels.)
- 2024 Phase II ESA for the Schenectady 40 Anchor Site, 742, 754 & 758 State Street and 749 Albany Street, prepared by C.T. Male.
- 2024 Phase I ESA for the Former Mohawk Honda Site, 742, 754 & 758 State Street and 749 Albany Street, prepared by C.T. Male.

On the basis of the findings and investigations the following conditions currently exist at the site:

- Two (2) anomalies (based on the findings of a ground penetrating radar (GPR) survey) consistent with underground storage tanks (USTs) are located on the site. The first anomaly was identified on the northeastern portion of the site on the 742 State Street parcel. The second anomaly was identified on the 754 State Street parcel to the north of the southwestern portion of the former 754 State Street building. A third potential UST was identified beneath the slab of the basement of the building formerly located on the 754 State Street parcel.
- The soils within the site and to the depths explored (up to 20 feet bgs) contain urban fill comprised of ash, brick, coal, concrete rubble, glass and slag.
- Impacts to soils have been documented through various investigations at the site including post excavation samples for soil/UST removal activities conducted in 2003; the 2023 Phase II ESA conducted by LaBella, and the 2024 Phase II ESA conducted by C.T. Male. Impacts to soils appear to be related to a petroleum release at the suspect UST to the north of the southwestern portion of the former 754 State Street building as documented by volatile organic compounds (VOCs) above Unrestricted Use/Commissioner's Policy (CP-51) soil cleanup objectives (SCOs)[1], and by the presence of fill materials on scattered portions of the site as documented by semi volatile organic compounds (SVOCs) and metals above Unrestricted Use SCOs. Select SVOCs and one (1) metal (mercury) are documented to exceed Industrial Use SCOs.

[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

- Similarly, impacts to groundwater have been documented through the 2023 Phase II ESA and the 2024 Phase II ESA. Petroleum related compounds were identified proximate to the suspect UST to the north of the southwestern portion of the former 754 State Street building. Metals and SVOCs were detected above groundwater standards/guidance values on various portions of the site.
- A spill was reported to the New York State Department of Environmental Conservation (NYSDEC) based on the findings of the 2023 Phase II ESA. The spill remains active.

In addition to the above environmental studies, the site was subject of a geotechnical evaluation in 2024 as documented in the Geotechnical Evaluation Report for the Proposed Anchor Site Development, State and Albany Street, City of Schenectady, prepared by C.T. Male, dated May 13, 2024. The report indicates that fill materials (urban fill) consisting of fine to coarse sand with lesser amounts of silt and varying amounts of fragments of brick, glass, coal, ash and wood were encountered from approximately three (3) feet below grade surface (bgs) to approximately 23.5 feet bgs, at the locations explored.

This Supplemental Subsurface Assessment was conducted to further evaluate the environmental quality of soils and the urban fill in order to be able to provide adequate information to determine if the site would be eligible for the NYSDEC Brownfield Cleanup Program (BCP).

### 1.2 Site Configuration

The site 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 site is situated northeast of Albany Street and southwest of State Street on the block between Hulett Street and Armory Alley.

The site was recently improved with a two-story commercial building (razed late summer/early fall 2024) formerly used as an office and automotive repair garage on the 754 Albany Street parcel. The building was constructed on a full basement and was constructed between 1914 and 1930. The basement area of the building contained various drainage features (trench floor drains and sumps) as well as piping within the concrete slab which resembled fill and vent pipes typically associated with USTs.

Electricity and natural gas are supplied to the site by National Grid. Municipal water and sewer services are provided by the City of Schenectady. The former 754 State Street building was reportedly heated by natural gas.

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

The suspect USTs discussed above do not appear to have been previously registered under the site's PBS registration.

### 1.3 Project Scope

This Supplemental Subsurface Assessment included the advancement of ten (10) soil borings; the excavation of three (3) test pits, the collection of soil samples for field vapor screening; and the collection of soil samples for laboratory analysis.

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

## 2.0 METHOD OF PHASE II ESA INVESTIGATION

### 2.1 Test Boring Locations and Drilling Method

Ten (10) test boring locations were selected in order to collect additional soil samples on the site in areas where soil samples were not previously collected or analyzed. The test borings were located as follows:

- GP-7 and GP-8 were advanced on the northeastern portion of the site near State Street on the 742 State Street parcel.
- GP-9 was advanced on the north-central portion of the site on the 742 State Street parcel between two (2) soil removal areas (Areas 4 and 5) that were excavated in 2003.
- GP-10 was advanced on the central portion of the 742 State Street parcel.
- GP-11 was advanced on the northwestern portion of the site on the northwestern corner of the 742 State Street parcel.
- GP-12 was advanced on west-central portion of the site on the southwestern corner of the 742 State Street parcel.
- GP-13 was advanced on the southeastern portion of the site on the eastern portion of the 758 State Street parcel.
- GP-14 was advanced on the south-central portion of the site on the western portion of the 758 State Street parcel.
- GP-15 was advanced on the southwestern portion of the site on the west-central portion of the 749 Albany Street parcel.
- GP-16 was advanced on the south-central portion of the site on the eastern portion of the 749 Albany Street parcel, to the southwest of the former 754 State Street building.

The approximate 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 Monday, May 20, 2024 by Core Down Drilling LLC of Brewster, 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 five-foot intervals to the termination depths of the borings. The recovered soil samples were visually classified and recorded on individual subsurface exploration logs.

### 2.2 Test Pit Locations and Excavation Method

Three (3) exploratory test pit locations were selected to provide assessment of the soil conditions beneath the slab of the former 754 State Street building. The test pits were located as follows:

- TP-1 was excavated within the northeastern portion of the basement of the recently demolished building.
- TP-2 was excavated within the central portion of the basement, within the northeastern corner of the auto repair portion of the building.
- TP-3 was excavated within the southwestern portion of the basement of the auto repair portion of the building.

The test pit sampling was conducted on September 5, 2024 following the demolition of the building, prior to the basement being completely backfilled. As groundwater was present near the surface of the slab, the soil samples were collected from just below the slab.

The test pits were excavated by the client's demolition contractor, Jackson Demolition Services, Inc. (Jackson). For the purpose of this investigation, a Caterpillar 328D track mounted excavator was utilized.

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

### 2.3 Soil Screening

Soil samples were collected from the soil borings and test pits for the purpose of field screening with a Photoionization Detector (PID) meter. Following the recovery of the soil samples from the test borings and test pits, each sample was placed in a new, clean sealable plastic bag and then screened for the presence of detectable 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 – Test Borings

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

- GP-7 from 5-7.5 feet bgs;
- GP-8 from 5-7.5 feet bgs;
- GP-9 from 5-7.5 feet bgs;
- GP-10 from 2.5-5 feet bgs;
- GP-11 from 2-5.5 feet bgs;
- GP-12 from 5-7.5 feet bgs;
- GP-13 from 5-7.5 feet bgs;
- GP-14 from 5-6 feet bgs;
- GP-15 from 5-7 feet bgs; and
- GP-16 from 2.5-5 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 CP-51 SVOCs by EPA Method 8270 and the Target Analyte List (TAL) of metals.

## 2.5 Soil Sampling – Test Pits

The soil samples from the test pits were collected just below the slab of the foundation of the former 754 State Street building.

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) and CP-51 list of VOCs, CP-51 SVOCs by EPA Method 8270 and TAL metals.

## 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. At each test pit location, the bucket of the excavator was cleaned so that visible soils were not evident on the bucket prior to collection of soil samples intended for laboratory analysis. Soil samples were handled with a new pair of nitrile gloves to deter cross contamination of the soil samples collected for screening and/or laboratory analysis.

## 3.0 FINDINGS OF THE PHASE II ESA INVESTIGATION

### 3.1 Soil Conditions at Test Boring Locations

At GP-7, beneath the asphalt, the soils generally consisted of sand, gravel and cobble. The soils became wet at approximately 10 feet bgs, where the boring was terminated. Petrochemical type odors or staining were not noted in the soils recovered from GP-7.

At GP-8, the soils beneath the asphalt consisted primarily of sand with little gravel present to approximately 6 feet bgs. The boring was terminated at approximately 10 feet bgs. The soils became wet at approximately 7.5 feet bgs. Petrochemical type odors or staining were not noted in the soils recovered from GP-8.

At GP-9, beneath the asphalt surface, urban fill consisting of ash, gravel, concrete and asphalt was encountered to approximately 7.5 feet bgs. The urban fill was underlain by brown fine to medium sand. The boring was terminated at approximately 10 feet bgs. The soils became wet at approximately 7.5 feet bgs. Petrochemical type odors and staining were not noted in the soil samples recovered from GP-9.

At GP-10, beneath the asphalt, brown medium sand was encountered to approximately 1.5 feet bgs. Urban fill was encountered beneath the sand, consisting of concrete and asphalt, to approximately 2.5 feet bgs. Beneath the fill, medium sand was encountered with some of urban fill present to approximately 5.5 feet bgs. Brown-gray medium sand was encountered in the remainder of the boring which was terminated at approximately 10 feet bgs. The soils became wet at approximately 5.5 feet bgs. Petrochemical type odors and staining were not noted in the soil samples recovered from GP-10.

Urban fill consisting of concrete, ash, asphalt and some brown medium sand was encountered to approximately 7.5 feet bgs at GP-11. Brown medium sand containing urban fill (primarily brick) was encountered in the balance of the boring which was terminated at 10 feet bgs. Petrochemical type odors and staining were not noted in the soil samples recovered from GP-11. The soils became wet at approximately 7.5 feet bgs.

Beneath the asphalt, other than an approximate half-foot layer of grey gravel from 4 to 4.5 feet bgs, the soils at GP-12 consisted of brown/grey and brown medium sand to the termination depth of 10 feet bgs. The soils became wet at approximately 5.5

feet bgs. Petrochemical odors or staining were not encountered in the soils recovered from GP-12.

At GP-13 beneath the asphalt, the soils consisted of brown medium sand and urban fill (brick and ash) to approximately 5.5 feet bgs. Brown fine sand was encountered in the remainder of the boring which was terminated at approximately 10 feet bgs. The soils became wet at approximately 9.5 feet bgs. Petrochemical odors or staining were not encountered in the soils recovered from GP-13.

Urban fill consisting of concrete, brick, ash, wood and brown fine to medium sand was encountered beneath the asphalt at GP-14 to the termination of the boring at approximately 6 feet bgs where refusal was encountered. The soil/fill was damp throughout. Petrochemical odors or staining were not encountered in the soil/fill recovered from GP-14.

Urban fill consisting of concrete, brick, ash, wood and fine to medium sand was encountered beneath the asphalt at GP-15 to the termination of the boring at approximately 9 feet bgs where refusal was encountered. The soil/fill was damp throughout. Petrochemical odors or staining were not encountered in the soil/fill recovered from GP-15.

Brown fine to medium sand was encountered beneath the asphalt at GP-16 to approximately 2.5 feet bgs. A layer of urban fill consisting of ash and asphalt was encountered beneath the sand to approximately 4.5 feet bgs. The fill was underlain by brown fine sand and silt to the termination of the boring at 5 feet bgs. The soils became wet at approximately 1.5 feet bgs. Petrochemical odors or staining were not encountered in the soils recovered from GP-16.

The subsurface exploration logs are included in Appendix B.

### 3.2 Soil Conditions at Test Pit Locations

The test pits excavated in the basement of the former 754 State Street building were advanced just below the concrete floor. Groundwater was noted to be perched above the slab. The soils at TP-1 and TP-2 consisted of fine to medium brown sand with urban fill (glass and general trash). Petrochemical odors or staining were not encountered in the soils recovered from these test pits. The soils at TP-3 consisted of fine to medium dark brown sand. The soils from TP-3 exhibited a petrochemical

type odor and the soils exhibited staining. The soils recovered from the three test pit locations were wet.

The test pit logs are included in Appendix C.

### 3.3 Soil Screening Results

The PID readings for the soil samples collected from the soil borings were generally less than 10 parts per million (ppm) above background. Slightly elevated readings were recorded in two (2) soil samples, GP-13 (7.5-10') and GP- 14 (0-2.5') at 21.4 ppm and 11.7 ppm respectively. The readings recorded appeared to be related to moisture content in the samples as opposed to the presence of VOCs. The soil samples did not exhibit petrochemical type odors, staining or sheens and the increased readings on the PID meter responded slowly, indicative of moisture interference/humidity.

Slightly elevated readings were recorded from the soils from TP-1 and TP-2 at 8.7 ppm and 14.3 ppm above background; however, these samples did not exhibit petrochemical type odors, staining or sheens. The sample collected from TP-3 had an elevated PID reading at 195.5 ppm above background. The sample exhibited a petrochemical type odor and staining.

As an active spill is listed for the site (Spill No. 2300878), the NYSDEC spill engineer was consulted regarding the observation of these results. It was requested by NYSDEC that these findings be handled under the existing spill number for the site.

The Organic Vapor Headspace Analysis Logs are included in Appendix D.

### 3.4 Groundwater Conditions

Groundwater was encountered at varying depths across the site from approximately 1.5- feet bgs to 9.5 feet bgs during the drilling activities. Petrochemical type odors or sheens were not noted in the groundwater present in the recovered soil samples.

At the time of the test pit assessment, groundwater was noted to be perched above the slab of the basement of the former 754 State Street building. Petrochemical type odors or sheens were not noted in the groundwater present above the slab or within the recovered soil samples from the test pits.

The direction of groundwater flow was not determined as a function of this assessment; however, during the Phase II ESA completed in 2003 the direction of groundwater flow was noted to be to the north/northeast.

### 3.5 Other Site Conditions

During demolition activities, Jackson inadvertently uncovered a UST located to the north of the southwestern portion of the former 754 State Street building. The UST was noted to be in the location where an anomaly was identified consistent with a UST during the completion of the 2023 and 2024 Phase II ESAs of the site. The tank was reported to be approximately 30 feet long. A petroleum type liquid (reported as diesel/oil) was noted to be present within the tank (approximately ½ full). The tank was reportedly covered for future removal. The NYSDEC spill engineer was notified of the finding.

## 4.0 ANALYTICAL RESULTS

### 4.1 Subsurface Soil – Soil Borings and Test Pits

The soil samples collected from the soil borings were analyzed for CP-51 SVOCs by EPA Method 8270 and TAL metals. The soil samples collected from the test pits were analyzed for TCL/CP-51 VOCs by EPA Method 8260, CP-51 SVOCs by EPA Method 8270 and TAL metals.

SVOCs

SVOCs were either not detected above the laboratory method detection limit, or were below Unrestricted SCOs in the soil samples collected from GP-7, GP-8, GP-10, GP-11, GP-12, GP-13, GP-15, GP-16, TP-1 and TP-3. The SVOCs detected above their respective Unrestricted Use SCOs in the remaining soil samples are discussed below.

Two (2) SVOCs were detected in the sample collected from GP-9 (5-7.5) as follows:

- Benzo(b)fluoranthene was detected at a concentration of 1.1 ppm, above the Restricted Residential Use SCO of 1 ppm.
- Indeno(1,2,3-cd)pyrene was detected at a concentration of 0.57 ppm, above the Restricted Residential Use SCO of 0.5 ppm.

Nine (9) SVOCs were detected in the sample collected from GP-14 (5-6) exceeding their respective NYSDEC Unrestricted Use/CP-51 SCOs as follows:

- Benzo(a)anthracene was detected at a concentration of 47 ppm, above the Industrial Use SCO of 11 ppm.
- Benzo(a)pyrene was detected at a concentration of 44 ppm, above the Industrial Use SCO of 1.1 ppm.
- Benzo(b)fluoranthene was detected at a concentration of 54 ppm, above the Industrial Use SCO of 11 ppm.
- Benzo(k)fluoranthene was detected at a concentration of 18 ppm, above the Restricted Residential Use SCO of 3.9 ppm.
- Chrysene was detected at a concentration of 39 ppm, above the Restricted Residential Use SCO of 3.9 ppm.
- Dibenzo(a,h)anthracene was detected at a concentration of 6.6 ppm, above the Industrial Use SCO of 1.1 ppm.

- Fluoranthene was detected at a concentration of 170 ppm, above the Restricted Residential Use SCO of 100 ppm.
- Indeno(1,2,3-cd)pyrene was detected at a concentration of 27 ppm, above the Industrial Use SCO of 11 ppm.
- Phenanthrene was detected at a concentration of 140 ppm, above the Restricted Residential Use SCO of 100 ppm.

Seven (7) SVOCs were detected in the sample collected from TP-3 exceeding their respective NYSDEC Unrestricted Use/CP-51 SCOs as follows:

- Benzo(a)anthracene was detected at a concentration of 10 ppm, above the Commercial Use SCO of 5.6 ppm.
- Benzo(a)pyrene was detected at a concentration of 9.4 ppm, above the Industrial Use SCO of 1.1 ppm.
- Benzo(b)fluoranthene was detected at a concentration of 16 ppm, above the Industrial Use SCO of 11 ppm.
- Benzo(k)fluoranthene was detected at a concentration of 3.2 ppm, above the Residential Use SCO of 1 ppm.
- Chrysene was detected at a concentration of 10 ppm, above the Restricted Residential Use SCO of 3.9 ppm.
- Indeno(1,2,3-cd)pyrene was detected at a concentration of 5.7 ppm, above the Commercial Use SCO of 5.6 ppm.

Metals

Up to 21 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 SCOs in one (1) or more samples summarized as follows:

Copper was detected in each of the soil samples collected from the borings ranging in concentrations from 8.26 ppm to 54.4 ppm. The concentration exceeded the Unrestricted Use SCO of 50 ppm at GP-16 (2.5-5) at a concentration of 54.4 ppm.

Lead was detected in each of the soil samples ranging in concentrations of 8.71 ppm to 1,130 ppm. Lead exceeded the Commercial Use SCO of 1,000 ppm at GP-9 (5-7.5) at a concentration of 1,130 ppm. Lead exceeded the Restricted Residential Use SCO of 400 ppm at GP-16 (2.5-5) with a concentration of 689 ppm. Lead exceeded the

Unrestricted Use SCO of 63 ppm at GP-8 (5-7.5) at a concentration of 104 ppm; GP-10 (2.5-5) at a concentration of 242 ppm; GP-11 (2.5-5) at a concentration of 215 ppm; GP-13 (5-7.5) at a concentration of 334 ppm and TP-2 at a concentration of 71.9 ppm.

Mercury was detected in each of the soil samples ranging in concentrations of 0.06 ppm (estimated) to 30.5 ppm. Mercury exceeded the Industrial Use SCO of 5.7 ppm at GP-9 (5-7.5) at a concentration of 30.5 ppm. Mercury exceeded the Unrestricted Use SCO of 0.18 ppm at GP-10 (2.5-5) at a concentration of 0.23 ppm; GP-11 (2.5-5) at a concentration of 0.423 ppm; GP-13 (5-7.5) at a concentration of 0.265 ppm, GP-16 (2.5-5) at a concentration of 0.53 ppm and TP-2 at a concentration of 0.358 ppm.

Zinc was detected in each of the soil samples in concentrations ranging 41.4 ppm to 726 ppm. Zinc exceeded the Unrestricted Use SCO of 109 ppm at GP-13 (5-7.5) at a concentration of 726 ppm; GP-14 (5-6) at a concentration of 204 ppm, GP-16 (2.5-5) at a concentration of 603 ppm and TP-2 at a concentration of 115 ppm.

Concentrations exceeding Restricted Residential, Commercial and Industrial Use SCOs are depicted on Figure 3 with concentrations summarized in tables. The results of the soil sampling for SVOCs and metals are also summarized in Table 4.1-1.

VOCs

The samples from the soil borings were not submitted for laboratory analysis for VOCs.

At least one (1) VOC was detected above the laboratory's method detection limit in the soils collected from the three (3) test pits. Acetone was detected at a concentration of 0.085 ppm in the sample collected from TP-3, above the Unrestricted Use SCO of 0.05 ppm. The remaining VOC detections were below Unrestricted Use SCOs.

The results of the soil sampling for VOCs are summarized in Table 4.1-2.

Full analytical results for the subsurface soil samples from the soil borings are presented in Appendix E and the analytical results for the subsurface soil samples from the test pits are presented in Appendix F.

### 4.2 Subsurface Soil – Previous Assessments

Figure 3 in Appendix A depicts locations from this assessment and prior assessments that had one (1) or more analyte or compound which exceed its Unrestricted Use

SCO (green shaded locations). Analytes in soils exceeding Restricted-Residential Use, Commercial Use and Industrial Use SCOs relative to both the findings of this assessment and the three (3) prior investigations are in tables within the figure for each sampling location.

### 4.3 Summary of Soil Sampling Results – Current and Former Sampling Events

Each of the site parcels is noted to have at least one (1) exceedance above Restricted Residential Use SCOs (the intended use of the site) summarized as follows:

742 State Street

Area 5 (6.5′) (July 2003 sampling event) with five (5) SVOCs above their corresponding Restricted Residential SCOs.

B-1 (8-10′) (May 2023 sampling event) with one (1) metal above its corresponding Restricted Residential SCO.

B-3 (14-15′) (May 2023 sampling event) with four (4) SVOCs above their corresponding Restricted Residential SCOs.

GP-9 (5-7.5′) (May 2024 sampling event) with two (2) SVOCs and two (2) metals above their respective Restricted Residential SCOs.

754 State Street

GP-4 (10-11′) (November 2023 sampling event) with seven (7) SVOCs and one (1) metal above their respective Restricted Residential SCOs.

GP-4 (15-16′) (November 2023 sampling event) with four (4) SVOCs above their respective Restricted Residential SCOs.

GP-5 (1-2′) (November 2023 sampling event) with four (4) SVOCs above their respective Restricted Residential SCOs.

TP-3 (September 2024 sampling event) with six (6) SVOCs above their respective Restricted Residential SCOs.

758 State Street

GP-14 (5-6′) (May 2024 sampling event) with nine (9) SVOCs above their respective Restricted Residential SCOs.

749 Albany Street

GP-16 (2.5-5') (May 2024 sampling event) with one (1) metal above its respective Restricted Residential SCO.

## 5.0 CONCLUSIONS

### 5.1 Conclusions

This Supplemental Subsurface Assessment of the Schenectady 40 Anchor Site included the advancement of ten (10) soil borings, the excavation of three (3) test pits and the collection of soil samples for field vapor screening and laboratory analysis.

The soils within the site and to the depths explored during this assessment (up to 10 feet bgs) generally consisted of fine to coarse sand with silt and urban fill comprised of ash, brick, coal, concrete rubble and glass. The PID readings for the soil samples collected from the soil borings were generally less than 10 ppm above background. Slightly elevated readings were recorded in two (2) soil samples from the soil borings; however, the readings recorded appeared to be related to moisture content. The soil samples did not exhibit petrochemical type odors, staining or sheens. Slightly elevated readings were recorded from the soils collected from TP-1 and TP-2; however, these samples did not exhibit petrochemical type odors, staining or sheens. The sample collected from TP-3 had an elevated PID reading of 195.5 ppm and exhibited a petrochemical type odor and staining.

Groundwater was encountered from approximately 5.5 feet bgs to 10 feet bgs during the advancement of the soil borings but was not encountered at either GP-15 or GP-16. At the time of the excavation of the test pits, groundwater had infiltrated the basement remains of the former 754 State Street building.

Impacts to soils have been documented through various investigations at the site including post excavation samples for soil/UST removal activities conducted in 2003; the 2023 Phase II ESA conducted by LaBella, and the 2024 Phase II ESA completed by C.T. Male as well as during this supplemental assessment. Impacts to soils appear to be related to a petroleum release at the suspect UST to the north of the southwestern portion of the former 754 State Street building as documented by VOCs above Unrestricted Use/CP-51 SCOs, and by the presence of fill materials throughout the site as documented by SVOCs and metals above Restricted Residential 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 the 2024 Phase II ESA conducted by C.T. Male. Petroleum related compounds were identified proximate to the suspect UST to the north of the

southwestern portion of the former 754 State Street building. Metals and SVOCs were detected above groundwater standards/guidance values on various portions of the site.

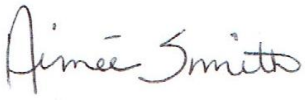
### 5.2 Recommendations

As an active spill is listed for the site, 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.

It is understood that the site is being contemplated for the NYSDEC BCP. Remedial investigations and actions for the site will be prescribed through the BCP program. Otherwise, recommendations are outlined in C.T. Male's 2024 Phase II ESA report.

The findings and conclusions of this Supplemental 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

K:\Projects\233588\Env\Anchor\7 Supplemental Subsurface Assessments\R Schenectady 40 Anchor Site Supplemental Subsurface Assessment.doc

# TABLES

## TABLE 4.1-1: Summary of Subsurface Soil Sampling Results & Regulatory Values – SVOCs and Metals

## TABLE 4.1-2: Summary of Subsurface Soil Sampling Results & Regulatory Values - VOCs

ATTACHMENT 15

TABLE 4.1-1
SUMMARY OF SOIL SAMPLING RESULTS AND REGULATORY VALUES
SVOCS/METALS
SUPPLEMENTAL SUBSURFACE ASSESSMENT
SCHENECTADY 40 ANCHOR SITE

| | | | | | | SAMPLE ID: | GP-7_5-7.5 | | | GP-8_5-7.5 | | | GP-9_5-7.5 | | | GP-10_2.5-5 | | | GP-11 (2.5-5') | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | LAB ID: | L2427928-01 | | | L2427928-02 | | | L2427928-03 | | | L2427928-04 | | | L2427928-05 | | |
| | | | | | | COLLECTION DATE: | 5/20/2024 | | | 5/20/2024 | | | 5/20/2024 | | | 5/20/2024 | | | 5/20/2024 | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **SEMIVOLATILE ORGANICS BY GC/MS** | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | | ND | | 0.14 | ND | | 0.15 | 0.1 | J | 0.15 | 0.019 | J | 0.14 | 0.1 | J | 0.14 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | | ND | | 0.14 | 0.076 | J | 0.15 | 0.078 | J | 0.15 | 0.035 | J | 0.14 | ND | | 0.14 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | | ND | | 0.1 | 0.045 | J | 0.11 | 0.21 | | 0.11 | 0.075 | J | 0.11 | 0.26 | | 0.1 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | | 0.038 | J | 0.1 | 0.076 | J | 0.11 | 0.83 | | 0.11 | 0.25 | | 0.11 | 0.69 | | 0.1 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | | ND | | 0.14 | 0.1 | J | 0.15 | 0.85 | | 0.15 | 0.24 | | 0.14 | 0.68 | | 0.14 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | | 0.053 | J | 0.1 | 0.16 | | 0.11 | 1.1 | | 0.11 | 0.29 | | 0.11 | 0.81 | | 0.1 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | | 0.027 | J | 0.14 | 0.085 | J | 0.15 | 0.62 | | 0.15 | 0.16 | | 0.14 | 0.48 | | 0.14 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | | ND | | 0.1 | 0.06 | J | 0.11 | 0.37 | | 0.11 | 0.096 | J | 0.11 | 0.23 | | 0.1 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | | 0.061 | J | 0.1 | 0.14 | | 0.11 | 0.89 | | 0.11 | 0.25 | | 0.11 | 0.75 | | 0.1 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | | ND | | 0.1 | 0.023 | J | 0.11 | 0.13 | | 0.11 | 0.034 | J | 0.11 | 0.097 | J | 0.1 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | | 0.18 | | 0.1 | 0.33 | | 0.11 | 1.7 | | 0.11 | 0.59 | | 0.11 | 1.3 | | 0.1 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | | ND | | 0.17 | 0.024 | J | 0.19 | 0.07 | J | 0.18 | 0.028 | J | 0.18 | 0.075 | J | 0.18 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | | ND | | 0.14 | 0.079 | J | 0.15 | 0.57 | | 0.15 | 0.14 | | 0.14 | 0.4 | | 0.14 |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | | 0.11 | | 0.1 | 0.23 | | 0.11 | 0.87 | | 0.11 | 0.36 | | 0.11 | 0.78 | | 0.1 |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | | 0.17 | | 0.1 | 0.26 | | 0.11 | 1.5 | | 0.11 | 0.53 | | 0.11 | 1.4 | | 0.1 |
| **TOTAL METALS** | | | | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NS | NS | NS | NS | NS | | 6270 | | 8.2 | 3340 | | 17.5 | 5650 | | 8.81 | 4050 | | 8.47 | 4770 | | 8.39 |
| Antimony, Total | NS | NS | NS | NS | NS | | ND | | 4.1 | ND | | 8.73 | 1.6 | J | 4.4 | 0.805 | J | 4.24 | 0.624 | J | 4.19 |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | | 3.33 | | 0.82 | 3.1 | | 1.75 | 8.3 | | 0.881 | 4.41 | | 0.847 | 4.61 | | 0.839 |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | | 24.5 | | 0.82 | 52.8 | | 1.75 | 114 | | 0.881 | 49.2 | | 0.847 | 40.5 | | 0.839 |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | | 0.273 | J | 0.41 | 0.198 | J | 0.873 | 0.334 | J | 0.44 | 0.229 | J | 0.424 | 0.302 | J | 0.419 |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | | 0.19 | J | 0.82 | 0.195 | J | 1.75 | 0.899 | | 0.881 | 0.404 | J | 0.847 | 0.25 | J | 0.839 |
| Calcium, Total | NS | NS | NS | NS | NS | | 37000 | | 8.2 | 103000 | | 17.5 | 26800 | | 8.81 | 13200 | | 8.47 | 31700 | | 8.39 |
| Chromium, Total | NS | NS | NS | NS | NS | | 9.85 | | 0.82 | 5.52 | | 1.75 | 36.9 | | 0.881 | 11.3 | | 0.847 | 7.14 | | 0.839 |
| Cobalt, Total | NS | NS | NS | NS | NS | | 4.48 | | 1.64 | 3.4 | J | 3.49 | 4.83 | | 1.76 | 2.74 | | 1.69 | 3.7 | | 1.68 |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | | 13.9 | | 0.82 | 13.5 | | 1.75 | 32.3 | | 0.881 | 43.1 | | 0.847 | 24 | | 0.839 |
| Iron, Total | NS | NS | NS | NS | NS | | 15300 | | 4.1 | 7940 | | 8.73 | 17400 | | 4.4 | 10100 | | 4.24 | 12100 | | 4.19 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | | 21.6 | | 4.1 | 104 | | 8.73 | 1130 | | 4.4 | 242 | | 4.24 | 215 | | 4.19 |
| Magnesium, Total | NS | NS | NS | NS | NS | | 6540 | | 8.2 | 6240 | | 17.5 | 6440 | | 8.81 | 3120 | | 8.47 | 10700 | | 8.39 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | | 376 | | 0.82 | 242 | | 1.75 | 297 | | 0.881 | 144 | | 0.847 | 232 | | 0.839 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | | 0.138 | | 0.068 | 0.172 | | 0.073 | 30.5 | | 1.42 | 0.23 | | 0.071 | 0.423 | | 0.07 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | | 11.3 | | 2.05 | 7.42 | | 4.37 | 11.6 | | 2.2 | 6.19 | | 2.12 | 8.71 | | 2.1 |
| Potassium, Total | NS | NS | NS | NS | NS | | 514 | | 205 | 294 | J | 437 | 592 | | 220 | 349 | | 212 | 412 | | 210 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | | ND | | 0.41 | ND | | 0.873 | ND | | 0.44 | ND | | 0.424 | ND | | 0.419 |
| Sodium, Total | NS | NS | NS | NS | NS | | 303 | | 164 | 87.3 | J | 349 | 294 | | 176 | 290 | | 169 | 103 | J | 168 |
| Vanadium, Total | NS | NS | NS | NS | NS | | 14.5 | | 0.82 | 9.19 | | 1.75 | 17.1 | | 0.881 | 12.3 | | 0.847 | 14.2 | | 0.839 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | | 49.8 | | 4.1 | 79.9 | | 8.73 | 575 | | 4.4 | 241 | | 4.24 | 81.9 | | 4.19 |

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

ATTACHMENT 15

TABLE 4.1-1
SUMMARY OF SOIL SAMPLING RESULTS AND REGULATORY VALUES
SVOCS/METALS
SUPPLEMENTAL SUBSURFACE ASSESSMENT
SCHENECTADY 40 ANCHOR SITE

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **SAMPLE ID:** | GP-12 (5-7.5') | | | GP-13 (5-7.5') | | | GP-14 (5-6') | | | GP-14 (5-6') | | | GP-15 (5-7') | | |
| | | | | | | **LAB ID:** | L2427928-06 | | | L2427928-07 | | | L2427928-08 | | | L2427928-08 R1 | | | L2427928-09 | | |
| | | | | | | **COLLECTION DATE:** | 5/20/2024 | | | 5/20/2024 | | | 5/20/2024 | | | 5/20/2024 | | | 5/20/2024 | | |
| | **NY-UNRES** | **NY-RESR** | **NY-RESRR** | **NY-RESC** | **NY-RESI** | | | | | | | | | | | | | | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **SEMIVOLATILE ORGANICS BY GC/MS** | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | ND | | 0.15 | ND | | 0.16 | 11 | | 1.6 | - | | - | 0.026 | J | 0.14 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.15 | ND | | 0.16 | 11 | | 1.6 | - | | - | ND | | 0.14 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.11 | ND | | 0.12 | 23 | | 1.2 | - | | - | 0.074 | J | 0.11 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | 0.031 | J | 0.11 | ND | | 0.12 | 47 | | 1.2 | - | | - | 0.18 | | 0.11 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | ND | | 0.15 | ND | | 0.16 | 44 | | 1.6 | - | | - | 0.18 | | 0.14 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | 0.042 | J | 0.11 | ND | | 0.12 | 54 | | 1.2 | - | | - | 0.23 | | 0.11 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | 0.024 | J | 0.15 | ND | | 0.16 | 26 | | 1.6 | - | | - | 0.11 | J | 0.14 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | ND | | 0.11 | ND | | 0.12 | 18 | | 1.2 | - | | - | 0.074 | J | 0.11 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | 0.053 | J | 0.11 | ND | | 0.12 | 39 | | 1.2 | - | | - | 0.18 | | 0.11 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | ND | | 0.11 | ND | | 0.12 | 6.6 | | 1.2 | - | | - | 0.028 | J | 0.11 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | 0.093 | J | 0.11 | ND | | 0.12 | 90 | E | 1.2 | 170 | | 5.9 | 0.4 | | 0.11 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | ND | | 0.18 | ND | | 0.2 | 17 | | 2 | - | | - | 0.027 | J | 0.18 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | ND | | 0.15 | ND | | 0.16 | 27 | | 1.6 | - | | - | 0.1 | J | 0.14 |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | 0.057 | J | 0.11 | ND | | 0.12 | 80 | E | 1.2 | 140 | | 5.9 | 0.23 | | 0.11 |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | 0.093 | J | 0.11 | ND | | 0.12 | 71 | | 1.2 | - | | - | 0.33 | | 0.11 |
| **TOTAL METALS** | | | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NS | NS | NS | NS | NS | 3730 | | 8.55 | 5350 | | 9.56 | 6220 | | 9.11 | - | | - | 6830 | | 8.64 |
| Antimony, Total | NS | NS | NS | NS | NS | ND | | 4.28 | 0.405 | J | 4.78 | 1.04 | J | 4.56 | - | | - | ND | | 4.32 |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | 2.67 | | 0.855 | 7.55 | | 0.956 | 4.33 | | 0.911 | - | | - | 4.05 | | 0.864 |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | 13.6 | | 0.855 | 152 | | 0.956 | 282 | | 0.911 | - | | - | 58.7 | | 0.864 |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | 0.222 | J | 0.428 | 0.259 | J | 0.478 | 0.338 | J | 0.456 | - | | - | 0.301 | J | 0.432 |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | 0.129 | J | 0.855 | 1.08 | | 0.956 | 0.242 | J | 0.911 | - | | - | 0.156 | J | 0.864 |
| Calcium, Total | NS | NS | NS | NS | NS | 2910 | | 8.55 | 79200 | | 9.56 | 87000 | | 9.11 | - | | - | 61200 | | 8.64 |
| Chromium, Total | NS | NS | NS | NS | NS | 5.37 | | 0.855 | 10.8 | | 0.956 | 12.6 | | 0.911 | - | | - | 12.9 | | 0.864 |
| Cobalt, Total | NS | NS | NS | NS | NS | 3.15 | | 1.71 | 3.41 | | 1.91 | 3.72 | | 1.82 | - | | - | 3.17 | | 1.73 |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | 8.26 | | 0.855 | 11.2 | | 0.956 | 16.9 | | 0.911 | - | | - | 11.9 | | 0.864 |
| Iron, Total | NS | NS | NS | NS | NS | 10100 | | 4.28 | 11700 | | 4.78 | 11400 | | 4.56 | - | | - | 11000 | | 4.32 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | 8.71 | | 4.28 | 334 | | 4.78 | 39.4 | | 4.56 | - | | - | 40.2 | | 4.32 |
| Magnesium, Total | NS | NS | NS | NS | NS | 2240 | | 8.55 | 5310 | | 9.56 | 12900 | | 9.11 | - | | - | 8810 | | 8.64 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | 206 | | 0.855 | 216 | | 0.956 | 315 | | 0.911 | - | | - | 247 | | 0.864 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | 0.06 | J | 0.072 | 0.265 | | 0.078 | 0.09 | | 0.076 | - | | - | 0.095 | | 0.069 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | 6.26 | | 2.14 | 6.95 | | 2.39 | 11.1 | | 2.28 | - | | - | 7.98 | | 2.16 |
| Potassium, Total | NS | NS | NS | NS | NS | 250 | | 214 | 635 | | 239 | 588 | | 228 | - | | - | 508 | | 216 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | ND | | 0.428 | ND | | 0.478 | 0.273 | J | 0.456 | - | | - | ND | | 0.432 |
| Sodium, Total | NS | NS | NS | NS | NS | 51.6 | J | 171 | 475 | | 191 | 429 | | 182 | - | | - | 244 | | 173 |
| Vanadium, Total | NS | NS | NS | NS | NS | 10.4 | | 0.855 | 18.7 | | 0.956 | 16.4 | | 0.911 | - | | - | 12.9 | | 0.864 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | 41.4 | | 4.28 | 726 | | 4.78 | 204 | | 4.56 | - | | - | 56.4 | | 4.32 |

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
E = Concentration of analyte exceeds range of the calibration curve and/or linear range of the instrument.
NY-UNRES= New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 37
NY-RESR = New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRI
NY-RESRR = New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria
NY-RESC = New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCF
NY-RESI = New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria per 6 NYCRR F

ATTACHMENT 15

TABLE 4.1-1
SUMMARY OF SOIL SAMPLING RESULTS AND REGULATORY VALUES
SVOCS/METALS
SUPPLEMENTAL SUBSURFACE ASSESSMENT
SCHENECTADY 40 ANCHOR SITE

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **SAMPLE ID:** | GP-16 (2.5-5') | | | TP-1 | | | TP-2 | | | TP-3 | | |
| | | | | | | **LAB ID:** | L2427928-10 | | | L2450528-01 | | | L2450528-02 | | | L2450528-03 | | |
| | | | | | | **COLLECTION DATE:** | 5/20/2024 | | | 9/5/2024 | | | 9/5/2024 | | | 9/5/2024 | | |
| | **NY-UNRES** | **NY-RESR** | **NY-RESRR** | **NY-RESC** | **NY-RESI** | | | | | | | | | | | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **SEMIVOLATILE ORGANICS BY GC/MS** | | | | | | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | ND | | 0.17 | ND | | 0.18 | 0.44 | J | 0.86 | 0.12 | J | 0.17 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.17 | ND | | 0.18 | 4.8 | | 0.86 | ND | | 0.17 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.12 | ND | | 0.13 | 4.2 | | 0.64 | 0.12 | | 0.12 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | 0.075 | J | 0.12 | 0.12 | J | 0.13 | 10 | | 0.64 | 0.34 | | 0.12 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | 0.073 | J | 0.17 | 0.12 | J | 0.18 | 9.4 | | 0.86 | 0.2 | | 0.17 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | 0.091 | J | 0.12 | 0.17 | | 0.13 | 16 | | 0.64 | 0.3 | | 0.12 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | 0.044 | J | 0.17 | 0.091 | J | 0.18 | 7 | | 0.86 | 0.1 | J | 0.17 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | ND | | 0.12 | 0.048 | J | 0.13 | 3.2 | | 0.64 | 0.081 | J | 0.12 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | 0.068 | J | 0.12 | 0.13 | | 0.13 | 10 | | 0.64 | 0.34 | | 0.12 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | ND | | 0.12 | 0.026 | J | 0.13 | 1.9 | | 0.64 | 0.037 | J | 0.12 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | 0.14 | | 0.12 | 0.22 | | 0.13 | 24 | | 0.64 | 0.76 | | 0.12 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | ND | | 0.21 | ND | | 0.22 | 1.4 | | 1.1 | 0.38 | | 0.21 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | 0.042 | J | 0.17 | 0.073 | J | 0.18 | 5.7 | | 0.86 | 0.077 | J | 0.17 |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | 0.027 | J | 0.12 | 0.1 | J | 0.13 | 21 | | 0.64 | 0.54 | | 0.12 |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | 0.12 | | 0.12 | 0.18 | | 0.13 | 18 | | 0.64 | 0.62 | | 0.12 |
| **TOTAL METALS** | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NS | NS | NS | NS | NS | 4060 | | 9.63 | 2790 | | 10.2 | 3870 | | 10.2 | 4300 | | 9.78 |
| Antimony, Total | NS | NS | NS | NS | NS | 0.57 | J | 4.82 | ND | | 5.12 | ND | | 5.09 | ND | | 4.89 |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | 6.13 | | 0.963 | 2.56 | | 1.02 | 3.49 | | 1.02 | 2.08 | | 0.978 |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | 228 | | 0.963 | 13.1 | | 1.02 | 72.8 | | 1.02 | 19.1 | | 0.978 |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | 0.262 | J | 0.482 | 0.179 | J | 0.512 | 0.235 | J | 0.509 | 0.274 | J | 0.489 |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | 0.816 | J | 0.963 | ND | | 1.02 | ND | | 1.02 | ND | | 0.978 |
| Calcium, Total | NS | NS | NS | NS | NS | 56400 | | 9.63 | 2160 | | 10.2 | 7510 | | 10.2 | 8550 | | 9.78 |
| Chromium, Total | NS | NS | NS | NS | NS | 23 | | 0.963 | 5.11 | | 1.02 | 9.06 | | 1.02 | 4.89 | | 0.978 |
| Cobalt, Total | NS | NS | NS | NS | NS | 3.47 | | 1.93 | 3.28 | | 2.05 | 3.02 | | 2.04 | 3.43 | | 1.96 |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | 54.4 | | 0.963 | 7.7 | | 1.02 | 19.3 | | 1.02 | 11.4 | | 0.978 |
| Iron, Total | NS | NS | NS | NS | NS | 11000 | | 4.82 | 9870 | | 5.12 | 9770 | | 5.09 | 10200 | | 4.89 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | 689 | | 4.82 | 3.8 | J | 5.12 | 71.9 | | 5.09 | 9.1 | | 4.89 |
| Magnesium, Total | NS | NS | NS | NS | NS | 2350 | | 9.63 | 1160 | | 10.2 | 1690 | | 10.2 | 1570 | | 9.78 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | 216 | | 0.963 | 120 | | 1.02 | 180 | | 1.02 | 331 | | 0.978 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | 0.53 | | 0.079 | ND | | 0.085 | 0.358 | | 0.084 | ND | | 0.081 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | 9.44 | | 2.41 | 6.79 | | 2.56 | 6.75 | | 2.55 | 7.99 | | 2.45 |
| Potassium, Total | NS | NS | NS | NS | NS | 358 | | 241 | 290 | | 256 | 292 | | 255 | 339 | | 245 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | ND | | 0.482 | ND | | 0.512 | ND | | 0.509 | ND | | 0.489 |
| Sodium, Total | NS | NS | NS | NS | NS | 114 | J | 193 | 120 | J | 205 | 119 | J | 204 | 62.8 | J | 196 |
| Vanadium, Total | NS | NS | NS | NS | NS | 11 | | 0.963 | 11.2 | | 1.02 | 10.9 | | 1.02 | 9.78 | | 0.978 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | 603 | | 4.82 | 23.3 | | 5.12 | 115 | | 5.09 | 25.9 | | 4.89 |

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
E = Concentration of analyte exceeds range of the calibration curve and/or linear range of the instrument.
NY-UNRES= New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 37
NY-RESR = New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRI
NY-RESRR = New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria
NY-RESC = New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCF
NY-RESI = New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria per 6 NYCRR F

**ATTACHMENT 15**

TABLE 4.1-2
SUMMARY OF SOIL SAMPLING RESULTS AND REGULATORY VALUES
VOCS
SUPPLEMENTAL SUBSURFACE ASSESSMENT
SCHENECTADY 40 ANCHOR SITE

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | **SAMPLE ID:** | TP-1 | | | TP-2 | | | TP-3 | | |
| | | | | | **LAB ID:** | L2450528-01 | | | L2450528-02 | | | L2450528-03 | | |
| | | | | | **COLLECTION DATE:** | 9/5/2024 | | | 9/5/2024 | | | 9/5/2024 | | |
| | **NY-UNRES** | **NY-RESR** | **NY-RESRR** | **NY-RESC** | **NY-RESI** | | | | | | | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **VOLATILE ORGANICS BY EPA 5035** | | | | | | | | | | | | | | |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | ND | | 0.0026 | ND | | 0.0023 | 0.0007 | J | 0.0021 |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | ND | | 0.013 | ND | | 0.011 | 0.013 | | 0.01 |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | 0.017 | | 0.013 | 0.015 | | 0.011 | 0.085 | | 0.01 |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | ND | | 0.0013 | ND | | 0.0011 | 0.00027 | J | 0.001 |
| Isopropylbenzene | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0011 | 0.0087 | | 0.001 |
| Methyl Acetate | NA | NA | NA | NA | NA | ND | | 0.0053 | ND | | 0.0046 | 0.0017 | J | 0.0042 |
| Methyl cyclohexane | NA | NA | NA | NA | NA | ND | | 0.0053 | 0.00074 | J | 0.0046 | 0.0038 | J | 0.0042 |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0013 | ND | | 0.0011 | 0.086 | | 0.001 |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | ND | | 0.0013 | ND | | 0.0011 | 0.011 | | 0.001 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0053 | 0.0014 | J | 0.0046 | 0.0042 | | 0.0042 |
| o-Xylene | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0011 | 0.00061 | J | 0.001 |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | ND | | 0.0013 | 0.00023 | J | 0.0011 | ND | | 0.001 |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | ND | | 0.0013 | ND | | 0.0011 | 0.11 | | 0.001 |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | ND | | 0.0026 | ND | | 0.0023 | 0.0062 | | 0.0021 |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | ND | | 0.0053 | 0.0024 | J | 0.0046 | ND | | 0.0042 |

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, 2

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, 2

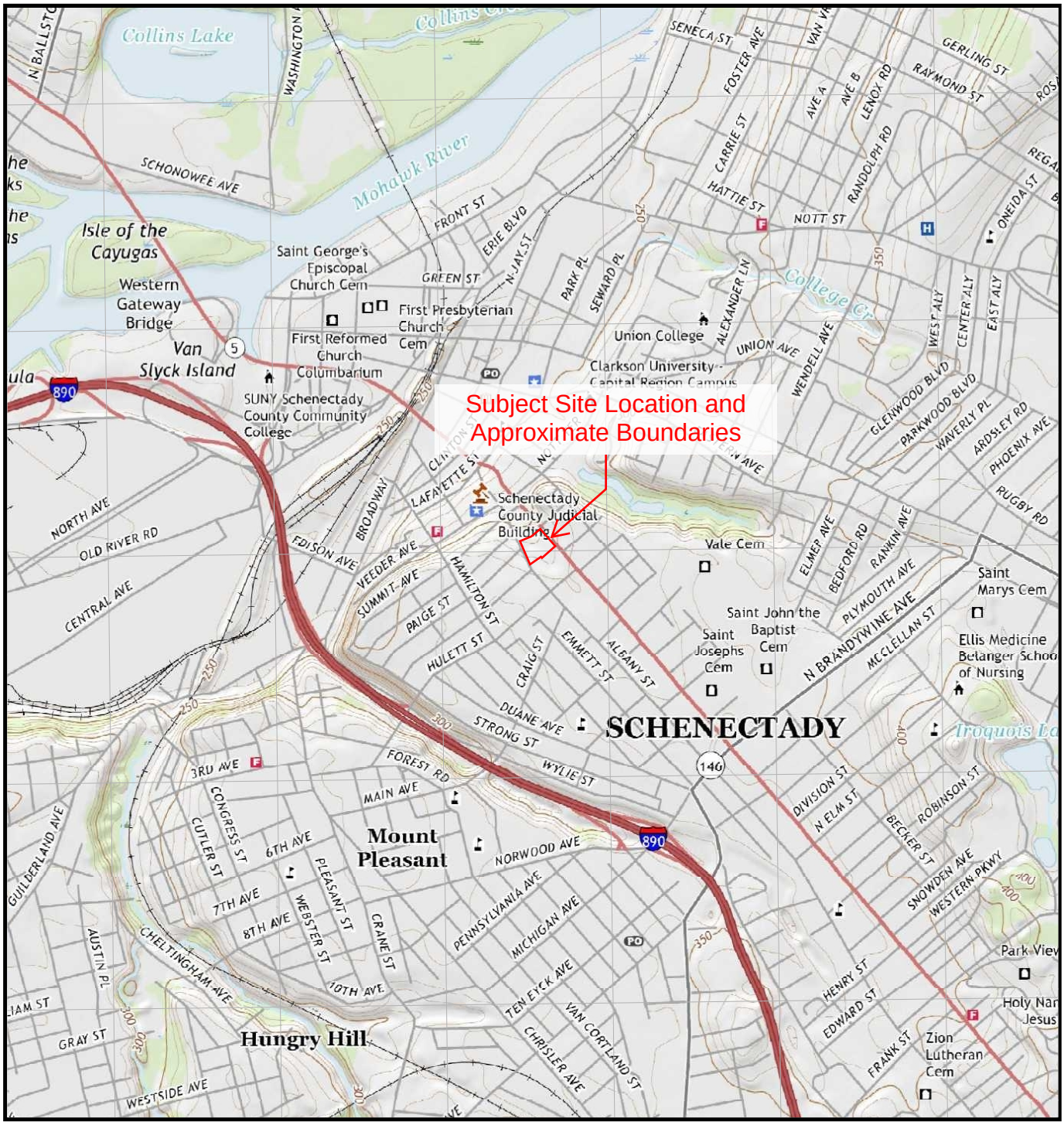
NY-RESRR = New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

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.

# APPENDIX A

## Figures/Maps




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

N

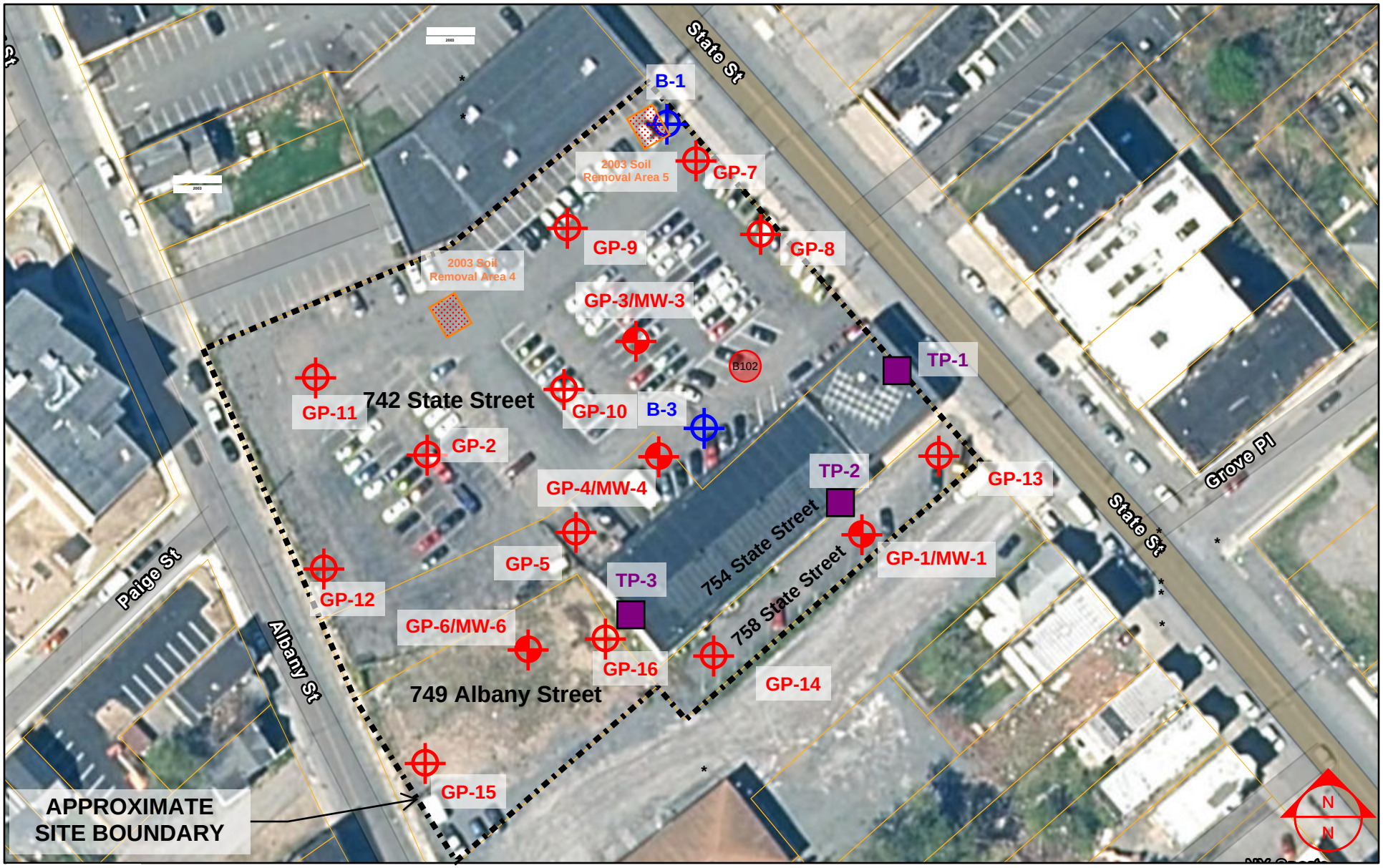
C.T.MALE ASSOCIATES
ENGINEERING, SURVEYING, ARCHITECTURE
LANDSCAPE ARCHITECTURE & GEOLOGY, D.P.C.

50 CENTURY HILL DRIVE
LATHAM, NY 12110

# FIGURE 1 - SUBJECT SITE 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: AR | |
| PROJECT No.: 23.3588 | |

# FIGURE 2 - SAMPLING LOCATIONS 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
- 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
- Approximate Location of Test Pits

1:1,317

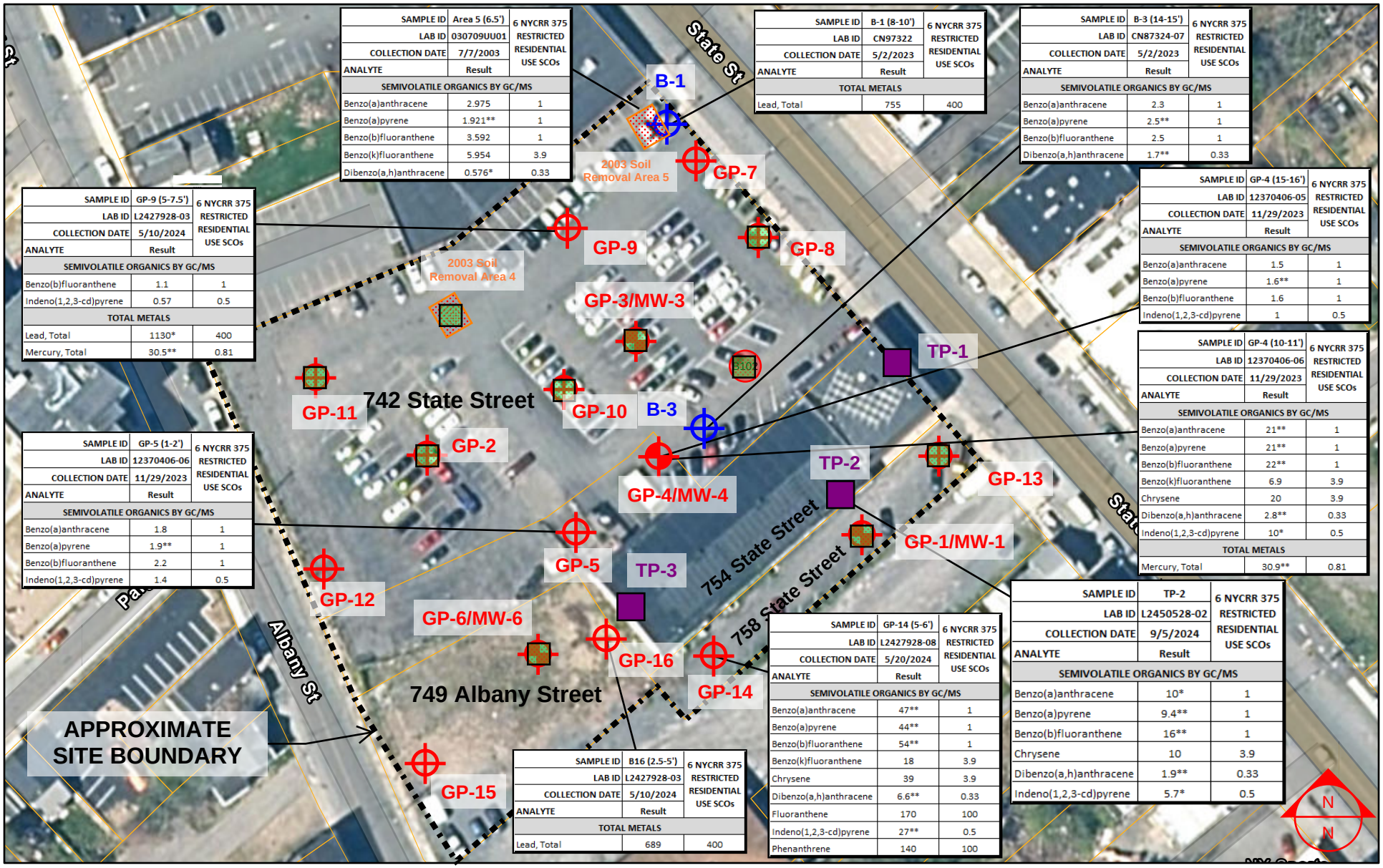
0 0.01 0.01 0.03 mi

0 0.01 0.03 0.05 km

# FIGURE 3

ATTACHMENT 15

# ANALYTES IN SOILS EXCEEDING RESTRICTED-RESIDENTIAL USE SOIL CLEANUP OBJECTIVES




| SAMPLE ID | Area 5 (6.5') | 6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs |
|---|---|---|
| LAB ID | 030709UU01 | |
| COLLECTION DATE | 7/7/2003 | |
| ANALYTE | Result | |
| SEMIVOLATILE ORGANICS BY GC/MS | | |
| Benzo(a)anthracene | 2.975 | 1 |
| Benzo(a)pyrene | 1.921** | 1 |
| Benzo(b)fluoranthene | 3.592 | 1 |
| Benzo(k)fluoranthene | 5.954 | 3.9 |
| Dibenzo(a,h)anthracene | 0.576* | 0.33 |

| SAMPLE ID | B-1 (8-10') | 6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs |
|---|---|---|
| LAB ID | CN97322 | |
| COLLECTION DATE | 5/2/2023 | |
| ANALYTE | Result | |
| TOTAL METALS | | |
| Lead, Total | 755 | 400 |

| SAMPLE ID | B-3 (14-15') | 6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs |
|---|---|---|
| LAB ID | CN87324-07 | |
| COLLECTION DATE | 5/2/2023 | |
| ANALYTE | Result | |
| SEMIVOLATILE ORGANICS BY GC/MS | | |
| Benzo(a)anthracene | 2.3 | 1 |
| Benzo(a)pyrene | 2.5** | 1 |
| Benzo(b)fluoranthene | 2.5 | 1 |
| Dibenzo(a,h)anthracene | 1.7** | 0.33 |

| SAMPLE ID | GP-9 (5-7.5') | 6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs |
|---|---|---|
| LAB ID | L2427928-03 | |
| COLLECTION DATE | 5/10/2024 | |
| ANALYTE | Result | |
| SEMIVOLATILE ORGANICS BY GC/MS | | |
| Benzo(b)fluoranthene | 1.1 | 1 |
| Indeno(1,2,3-cd)pyrene | 0.57 | 0.5 |
| TOTAL METALS | | |
| Lead, Total | 1130* | 400 |
| Mercury, Total | 30.5** | 0.81 |

| SAMPLE ID | GP-4 (15-16') | 6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs |
|---|---|---|
| LAB ID | 12370406-05 | |
| COLLECTION DATE | 11/29/2023 | |
| ANALYTE | Result | |
| SEMIVOLATILE ORGANICS BY GC/MS | | |
| Benzo(a)anthracene | 1.5 | 1 |
| Benzo(a)pyrene | 1.6** | 1 |
| Benzo(b)fluoranthene | 1.6 | 1 |
| Indeno(1,2,3-cd)pyrene | 1 | 0.5 |

| SAMPLE ID | GP-4 (10-11') | 6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs |
|---|---|---|
| LAB ID | 12370406-06 | |
| COLLECTION DATE | 11/29/2023 | |
| ANALYTE | Result | |
| SEMIVOLATILE ORGANICS BY GC/MS | | |
| Benzo(a)anthracene | 21** | 1 |
| Benzo(a)pyrene | 21** | 1 |
| Benzo(b)fluoranthene | 22** | 1 |
| Benzo(k)fluoranthene | 6.9 | 3.9 |
| Chrysene | 20 | 3.9 |
| Dibenzo(a,h)anthracene | 2.8** | 0.33 |
| Indeno(1,2,3-cd)pyrene | 10* | 0.5 |
| TOTAL METALS | | |
| Mercury, Total | 30.9** | 0.81 |

| SAMPLE ID | GP-5 (1-2') | 6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs |
|---|---|---|
| LAB ID | 12370406-06 | |
| COLLECTION DATE | 11/29/2023 | |
| ANALYTE | Result | |
| SEMIVOLATILE ORGANICS BY GC/MS | | |
| Benzo(a)anthracene | 1.8 | 1 |
| Benzo(a)pyrene | 1.9** | 1 |
| Benzo(b)fluoranthene | 2.2 | 1 |
| Indeno(1,2,3-cd)pyrene | 1.4 | 0.5 |

| SAMPLE ID | TP-2 | 6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs |
|---|---|---|
| LAB ID | L2450528-02 | |
| COLLECTION DATE | 9/5/2024 | |
| ANALYTE | Result | |
| SEMIVOLATILE ORGANICS BY GC/MS | | |
| Benzo(a)anthracene | 10* | 1 |
| Benzo(a)pyrene | 9.4** | 1 |
| Benzo(b)fluoranthene | 16** | 1 |
| Chrysene | 10 | 3.9 |
| Dibenzo(a,h)anthracene | 1.9** | 0.33 |
| Indeno(1,2,3-cd)pyrene | 5.7* | 0.5 |

| SAMPLE ID | GP-14 (5-6') | 6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs |
|---|---|---|
| LAB ID | L2427928-08 | |
| COLLECTION DATE | 5/20/2024 | |
| ANALYTE | Result | |
| SEMIVOLATILE ORGANICS BY GC/MS | | |
| Benzo(a)anthracene | 47** | 1 |
| Benzo(a)pyrene | 44** | 1 |
| Benzo(b)fluoranthene | 54** | 1 |
| Benzo(k)fluoranthene | 18 | 3.9 |
| Chrysene | 39 | 3.9 |
| Dibenzo(a,h)anthracene | 6.6** | 0.33 |
| Fluoranthene | 170 | 100 |
| Indeno(1,2,3-cd)pyrene | 27** | 0.5 |
| Phenanthrene | 140 | 100 |

| SAMPLE ID | B16 (2.5-5') | 6 NYCRR 375 RESTRICTED RESIDENTIAL USE SCOs |
|---|---|---|
| LAB ID | L2427928-03 | |
| COLLECTION DATE | 5/10/2024 | |
| ANALYTE | Result | |
| TOTAL METALS | | |
| Lead, Total | 689 | 400 |

## 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

Sampling Location That Exceeds Unrestricted Use SCOs

TP-1 — Approximate Location and ID of Test Pit

* Indicates analyte also exceeds its Commercial Use SCO

**Indicates analyte also exceeds its Industrial Use SCO

1:1,317

0 0.01 0.01 0.03 mi

0 0.01 0.03 0.05 km

# APPENDIX B

## Subsurface Exploration Logs

# C.T. MALE ASSOCIATES

## DIRECT-PUSH EXPLORATION LOG

| | | | |
|---|---|---|---|
| **BORING NO.:** | **GP-7** | | |
| **ELEV.:** | | **DATUM:** | |
| **START DATE:** | **5/20/2024** | **FINISH DATE:** | **5/20/2024** |
| **SHEET** | **1 of 1** | | |

| | | | |
|---|---|---|---|
| PROJECT | 40 Anchor Site | CTM PROJECT NO.: | 23.3588 |
| LOCATION: | Schenectady, NY | CTM OBSERVER: | A. Rogers |

| DEPTH (FT) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 2 | | 1 | 2.4 | ASPHALT<br>Brown-grey medium SAND, little grey gravel (damp) | |
| 4 | | 2 | | Grey GRAVEL and COBBLE (damp) | |
| 6 | | 3 | 2.5 | Brown medium SAND, little grey gravel (damp) | |
| 8 | | 4 | | | |
| 10 | | | | (wet) | |
| | | | | Boring terminated ±10' bgs | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |

| | |
|---|---|
| DRILLING CONTRACTOR: | Core Down Drilling |
| DIRECT-PUSH TYPE: | 7822DT |
| METHOD OF SAMPLING: | 5'x2.25" DT22 Dual Tube Sampler |

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
| | | |
| | | |
| | | |



SAMPLE CLASSIFICATION BY:
A. Rogers

C.T. MALE ASSOCIATES

# DIRECT-PUSH EXPLORATION LOG

| | | | |
|---|---|---|---|
| **BORING NO.:** | **GP-8** | | |
| **ELEV.:** | | **DATUM:** | |
| **START DATE:** | **5/20/2024** | **FINISH DATE:** | **5/20/2024** |
| **SHEET** | **1 of 1** | | |

| | | | |
|---|---|---|---|
| PROJECT | 40 Anchor Site | CTM PROJECT NO.: | 23.3588 |
| LOCATION: | Schenectady, NY | CTM OBSERVER: | A. Rogers |

| DEPTH (FT) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 2 | | 1 | 3.1 | ASPHALT<br>Brown-grey fine to medium SAND, little gravel (damp) | |
| 4 | | 2 | | | |
| 6 | | 3 | 3.2 | Light brown fine to medium SAND (damp) | |
| 8 | | | | Brown fine to medium SAND (wet) | |
| 10 | | 4 | | | |
| 12 | | | | Boring terminated ±10' bgs | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |

| | |
|---|---|
| DRILLING CONTRACTOR: | Core Down Drilling |
| DIRECT-PUSH TYPE: | 7822DT |
| METHOD OF SAMPLING: | 5'x2.25" DT22 Dual Tube Sampler |

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
| | | |
| | | |
| | | |



SAMPLE CLASSIFICATION BY:
A. Rogers

C.T. MALE ASSOCIATES

# DIRECT-PUSH EXPLORATION LOG

| | | | |
|---|---|---|---|
| **BORING NO.:** | **GP-9** | | |
| **ELEV.:** | | **DATUM:** | |
| **START DATE:** | **5/20/2024** | **FINISH DATE:** | **5/20/2024** |
| **SHEET** | **1 of 1** | | |

| | | | |
|---|---|---|---|
| PROJECT | 40 Anchor Site | CTM PROJECT NO.: | 23.3588 |
| LOCATION: | Schenectady, NY | CTM OBSERVER: | A. Rogers |

| DEPTH (FT) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 2 | | 1 | 3.0 | ASPHALT<br>URBAN FILL: Ash, gravel, concrete and asphalt (damp) | |
| 4 | | 2 | | | |
| 6 | | 3 | 2.5 | Brown fine to medium SAND (wet) | |
| 8 | | 4 | | | |
| 10 | | | | Boring terminated ±10' bgs | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |

| | |
|---|---|
| DRILLING CONTRACTOR: | Core Down Drilling |
| DIRECT-PUSH TYPE: | 7822DT |
| METHOD OF SAMPLING: | 5'x2.25" DT22 Dual Tube Sampler |

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
| | | |
| | | |
| | | |



SAMPLE CLASSIFICATION BY:
A. Rogers

# C.T. MALE ASSOCIATES

## DIRECT-PUSH EXPLORATION LOG

| | | | |
|---|---|---|---|
| **BORING NO.:** | **GP-10** | | |
| **ELEV.:** | | **DATUM:** | |
| **START DATE:** | **5/20/2024** | **FINISH DATE:** | **5/20/2024** |
| **SHEET** | **1 of 1** | | |

| | | | |
|---|---|---|---|
| PROJECT | 40 Anchor Site | CTM PROJECT NO.: | 23.3588 |
| LOCATION: | Schenectady, NY | CTM OBSERVER: | A. Rogers |

| DEPTH (FT) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 0 | | 1 | | ASPHALT | |
| | | | | Brown medium SAND, little gravel (damp) | |
| 2 | | | 2.2 | URBAN FILL: Concrete and Asphalt (damp) | |
| | | 2 | | Brown medium SAND, some Urban Fill: Brick and Asphalt (damp) | |
| 4 | | | | | |
| 6 | | 3 | | Brown-grey medium SAND (wet) | |
| | | | 3.1 | | |
| 8 | | 4 | | | |
| 10 | | | | Boring terminated ±10' bgs | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |

| | |
|---|---|
| DRILLING CONTRACTOR: | Core Down Drilling |
| DIRECT-PUSH TYPE: | 7822DT |
| METHOD OF SAMPLING: | 5'x2.25" DT22 Dual Tube Sampler |

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
| | | |
| | | |
| | | |



SAMPLE CLASSIFICATION BY:
A. Rogers

C.T. MALE ASSOCIATES

# DIRECT-PUSH EXPLORATION LOG

| | | | |
|---|---|---|---|
| **BORING NO.:** | **GP-11** | | |
| **ELEV.:** | | **DATUM:** | |
| **START DATE:** | **5/20/2024** | **FINISH DATE:** | **5/20/2024** |
| **SHEET** | **1 of 1** | | |

| | | | |
|---|---|---|---|
| PROJECT | 40 Anchor Site | CTM PROJECT NO.: | 23.3588 |
| LOCATION: | Schenectady, NY | CTM OBSERVER: | A. Rogers |

| DEPTH (FT) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 2 | | 1 | 2.7 | ASPHALT<br>URBAN FILL: Concrete, Ash, Asphalt, some brown med Sand (damp) | |
| 4 | | 2 | | | |
| 6 | | 3 | 2.6 | | |
| 8 | | 4 | | Brown medium SAND, some Urban Fill: Brick (damp)<br>(wet) | |
| 10 | | | | | |
| 12 | | | | Boring terminated ±10' bgs | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |

| | |
|---|---|
| DRILLING CONTRACTOR: | Core Down Drilling |
| DIRECT-PUSH TYPE: | 7822DT |
| METHOD OF SAMPLING: | 5'x2.25" DT22 Dual Tube Sampler |

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
| | | |
| | | |
| | | |



SAMPLE CLASSIFICATION BY:
A. Rogers

C.T. MALE ASSOCIATES

# DIRECT-PUSH EXPLORATION LOG

| | | | |
|---|---|---|---|
| **BORING NO.:** | **GP-12** | | |
| **ELEV.:** | | **DATUM:** | |
| **START DATE:** | **5/20/2024** | **FINISH DATE:** | **5/20/2024** |
| **SHEET** | **1 of 1** | | |

| | | | |
|---|---|---|---|
| PROJECT | 40 Anchor Site | CTM PROJECT NO.: | 23.3588 |
| LOCATION: | Schenectady, NY | CTM OBSERVER: | A. Rogers |

| DEPTH (FT) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 2 | | 1 | 2.6 | ASPHALT<br>Brown-grey medium SAND (damp) | |
| 4 | | 2 | | Grey GRAVEL (damp) | |
| 6 | | 3 | 4.0 | Brown fine to medium SAND (damp)<br>(wet) | |
| 8 | | 4 | | | |
| 10 | | | | Boring terminated ±10' bgs | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |

| | |
|---|---|
| DRILLING CONTRACTOR: | Core Down Drilling |
| DIRECT-PUSH TYPE: | 7822DT |
| METHOD OF SAMPLING: | 5'x2.25" DT22 Dual Tube Sampler |

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
| | | |
| | | |
| | | |



SAMPLE CLASSIFICATION BY:
A. Rogers

C.T. MALE ASSOCIATES

# DIRECT-PUSH EXPLORATION LOG

| | | | |
|---|---|---|---|
| **BORING NO.:** | **GP-13** | | |
| **ELEV.:** | | **DATUM:** | |
| **START DATE:** | **5/20/2024** | **FINISH DATE:** | **5/20/2024** |
| **SHEET** | **1 of 1** | | |

| | | | |
|---|---|---|---|
| PROJECT | 40 Anchor Site | CTM PROJECT NO.: | 23.3588 |
| LOCATION: | Schenectady, NY | CTM OBSERVER: | A. Rogers |

| DEPTH (FT) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 2 | | 1 | 1.7 | ASPHALT<br>Brown medium SAND and URBAN FILL: Brick & Ash (damp) | |
| 4 | | 2 | | | |
| 6 | | 3 | 3.0 | Brown fine to medium SAND (damp) | |
| 8 | | 4 | | (wet) | |
| 10 | | | | Boring terminated ±10' bgs | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |

| | |
|---|---|
| DRILLING CONTRACTOR: | Core Down Drilling |
| DIRECT-PUSH TYPE: | 7822DT |
| METHOD OF SAMPLING: | 5'x2.25" DT22 Dual Tube Sampler |

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
| | | |
| | | |
| | | |



SAMPLE CLASSIFICATION BY:
A. Rogers

C.T. MALE ASSOCIATES

# DIRECT-PUSH EXPLORATION LOG

| | | | |
|---|---|---|---|
| **BORING NO.:** | **GP-14** | | |
| **ELEV.:** | | **DATUM:** | |
| **START DATE:** | **5/20/2024** | **FINISH DATE:** | **5/20/2024** |
| **SHEET** | **1 of 1** | | |

| | | | |
|---|---|---|---|
| PROJECT | 40 Anchor Site | CTM PROJECT NO.: | 23.3588 |
| LOCATION: | Schenectady, NY | CTM OBSERVER: | A. Rogers |

| DEPTH (FT) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 2 | | 1 | 2.4 | ASPHALT<br>URBAN FILL:Concrete, brick, ash, wood, & brown fine to med SAND (damp) | |
| 4 | | 2 | | | |
| 6 | | 3 | 0.5 | | |
| 8 | | | | Boring terminated ±6' bgs (Refusal) | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |

| | |
|---|---|
| DRILLING CONTRACTOR: | Core Down Drilling |
| DIRECT-PUSH TYPE: | 7822DT |
| METHOD OF SAMPLING: | 5'x2.25" DT22 Dual Tube Sampler |

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
| | | |
| | | |
| | | |



SAMPLE CLASSIFICATION BY:

A. Rogers

C.T. MALE ASSOCIATES

# DIRECT-PUSH EXPLORATION LOG

| | | | |
|---|---|---|---|
| **BORING NO.:** | **GP-15** | | |
| **ELEV.:** | | **DATUM:** | |
| **START DATE:** | **5/20/2024** | **FINISH DATE:** | **5/20/2024** |
| **SHEET** | **1 of 1** | | |

| | | | |
|---|---|---|---|
| PROJECT | 40 Anchor Site | CTM PROJECT NO.: | 23.3588 |
| LOCATION: | Schenectady, NY | CTM OBSERVER: | A. Rogers |

| DEPTH (FT) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 2 | | 1 | 2.5 | TOPSOIL<br>URBAN FILL:Concrete, brick, ash and fine to med SAND (damp) | |
| 4 | | 2 | | | |
| 6 | | 3 | 1.7 | | |
| 8 | | 4 | | | |
| 10 | | | | Boring terminated ±9' bgs (Refusal) | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |

| | |
|---|---|
| DRILLING CONTRACTOR: | Core Down Drilling |
| DIRECT-PUSH TYPE: | 7822DT |
| METHOD OF SAMPLING: | 5'x2.25" DT22 Dual Tube Sampler |

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
| | | |
| | | |
| | | |



SAMPLE CLASSIFICATION BY:
A. Rogers

C.T. MALE ASSOCIATES

# DIRECT-PUSH EXPLORATION LOG

| | | | |
|---|---|---|---|
| **BORING NO.:** | **GP-14** | | |
| **ELEV.:** | | **DATUM:** | |
| **START DATE:** | **5/20/2024** | **FINISH DATE:** | **5/20/2024** |
| **SHEET** | **1 of 1** | | |

| | | | |
|---|---|---|---|
| PROJECT | 40 Anchor Site | CTM PROJECT NO.: | 23.3588 |
| LOCATION: | Schenectady, NY | CTM OBSERVER: | A. Rogers |

| DEPTH (FT) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 2 | | 1 | 3.0 | ASPHALT<br>Brown-dark brown fine to medium SAND (damp) (wet) | |
| 4 | | 2 | | URBAN FILL: Ash and Asphalt (wet)<br>Brown fine SAND and SILT (wet) | |
| 6 | | | | Boring terminated ±5' bgs | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |

| | |
|---|---|
| DRILLING CONTRACTOR: | Core Down Drilling |
| DIRECT-PUSH TYPE: | 7822DT |
| METHOD OF SAMPLING: | 5'x2.25" DT22 Dual Tube Sampler |

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
| | | |
| | | |
| | | |



SAMPLE CLASSIFICATION BY:

A. Rogers

# APPENDIX C

## Test Pit Logs

# TEST PIT LOG

**C.T. MALE ASSOCIATES**
**Engineering, Surveying, Architecture,**
**Landscape Architecture & Geology, D.P.C.**
50 Century Hill Drive
Latham, NY 12110
(518) 786-7400 • FAX (581) 786-7299

| | | | |
|---|---|---|---|
| PROJECT NAME: | Schenectady 40 Anchor | EXCAVATOR: | Jackson Demolition |
| PROJECT NUMBER: | 23.3588 | EQUIPMENT: | 328D CAT |
| LOGGED BY: | AR | DATE: | 9/5/2024 |

## TEST PIT NO. 1

0'

Fine to Medium Brown Sand, Some Urban Fill (glass, trash) (wet)

Test Pit Terminated at ±2' bgs

5'

10'

15'

TOTAL DEPTH: 2'

WATER AT: Above concete slab

SIZE OF TEST PIT: ±3' x 3'

NOTES: Test pit excavated beneath concrete floor in former basement

# TEST PIT LOG

**C.T. MALE ASSOCIATES**
**Engineering, Surveying, Architecture,**
**Landscape Architecture & Geology, D.P.C.**
50 Century Hill Drive
Latham, NY 12110
(518) 786-7400 • FAX (581) 786-7299

| | | | |
|---|---|---|---|
| PROJECT NAME: | Schenectady 40 Anchor | EXCAVATOR: | Jackson Demolition |
| PROJECT NUMBER: | 23.3588 | EQUIPMENT: | 328D CAT |
| LOGGED BY: | AR | DATE: | 9/5/2024 |

## TEST PIT NO. 2

0'

Fine to Medium Brown Sand, Some Urban Fill (glass, trash) (wet)

Test Pit Terminated at ±2' bgs

5'

10'

15'

TOTAL DEPTH: 2'

WATER AT: Above concrete slab

SIZE OF TEST PIT: ±3' x 3'

NOTES: Test pit excavated beneath concrete floor in former basement

# TEST PIT LOG

**C.T. MALE ASSOCIATES**
**Engineering, Surveying, Architecture,**
**Landscape Architecture & Geology, D.P.C.**
50 Century Hill Drive
Latham, NY 12110
(518) 786-7400 • FAX (581) 786-7299

| | | | |
|---|---|---|---|
| PROJECT NAME: | Schenectady 40 Anchor | EXCAVATOR: | Jackson Demolition |
| PROJECT NUMBER: | 23.3588 | EQUIPMENT: | 328D CAT |
| LOGGED BY: | AR | DATE: | 9/5/2024 |

## TEST PIT NO. 3

0'

Fine to Medium Dark Brown SAND (wet)

Test Pit Terminated at ±2' bgs

5'

10'

15'

0'

5'

10'

15'

TOTAL DEPTH: 2'

WATER AT: Above concrete slab

SIZE OF TEST PIT: ±3' x 3'

NOTES: Strong petroleum odor and dark staining in soils

Test pit excavated beneath concrete floor in former basement

# APPENDIX D

## Organic Vapor Headspace Analysis Logs

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | |
|---|---|---|---|
| **PROJECT:** | Schenectady 40 Anchor Site | **PROJECT #** 23.3588 | PAGE 1 OF 2 |
| **LOCATION:** | 742, 754 & 758 State Street Schenectady | | **DATE COLLECTED:** 5/20/24 |
| **COUNTY, STATE:** | Schenectady County, NY | | |
| **INSTRUMENT USED:** | MiniRae 3000 **LAMP** 10.6 **eV** | | **DATE ANALYZED:** 5/20/24 |
| **DATE INSTRUMENT CALIBRATED:** | 5/20/2024 **BY:** AR | | |
| **TEMPERATURE OF SOIL:** | ambient | | **ANALYST:** AR |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.)*** | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| GP-7 | 1 | 0-2.5 | Soil - Headspace | 1.8 | 0.0 | NONS |
| GP-7 | 2 | 2.5-5 | Soil - Headspace | 0.8 | 0.0 | NONS |
| GP-7 | 3 | 5-7.5 | Soil - Headspace | 0.8 | 0.0 | NONS |
| GP-7 | 4 | 7.5-10 | Soil - Headspace | 0.6 | 0.0 | NONS |
| GP-8 | 1 | 0-2.5 | Soil - Headspace | 1.0 | 0.0 | NONS |
| GP-8 | 2 | 2.5-5 | Soil - Headspace | 1.2 | 0.0 | NONS |
| GP-8 | 3 | 5-7.5 | Soil - Headspace | 1.6 | 0.0 | NONS |
| GP-8 | 4 | 7.5-10 | Soil - Headspace | 1.0 | 0.0 | NONS |
| GP-9 | 1 | 0-2.5 | Soil - Headspace | 0.5 | 0.0 | NONS |
| GP-9 | 2 | 2.5-5 | Soil - Headspace | 0.7 | 0.0 | NONS |
| GP-9 | 3 | 5-7.5 | Soil - Headspace | 0.6 | 0.0 | NONS |
| GP-9 | 4 | 7.5-10 | Soil - Headspace | 0.3 | 0.0 | NONS |
| GP-10 | 1 | 0-2.5 | Soil - Headspace | 0.1 | 0.0 | NONS |
| GP-10 | 2 | 2.5-5 | Soil - Headspace | 0.2 | 0.0 | NONS |
| GP-10 | 3 | 5-7.5 | Soil - Headspace | 0.0 | 0.0 | NONS |
| GP-10 | 4 | 7.5-10 | Soil - Headspace | 0.3 | 0.0 | NONS |
| GP-11 | 1 | 0-2.5 | Soil - Headspace | 0.6 | 0.0 | NONS |
| GP-11 | 2 | 2.5-5 | Soil - Headspace | 2.7 | 0.0 | NONS |
| GP-11 | 3 | 5-7.5 | Soil - Headspace | 2.7 | 0.0 | NONS |
| GP-11 | 4 | 7.5-10 | Soil - Headspace | 0.7 | 0.0 | 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 2 |
| **LOCATION:** | 742, 754 & 758 State Street Schenectady | | **DATE COLLECTED:** 5/20/24 |
| **COUNTY, STATE:** | Schenectady County, NY | | |
| **INSTRUMENT USED:** | MiniRae 3000 **LAMP** 10.6 **eV** | | **DATE ANALYZED:** 5/20/24 |
| **DATE INSTRUMENT CALIBRATED:** | 5/20/2024 **BY:** AR | | |
| **TEMPERATURE OF SOIL:** | ambient | | **ANALYST:** AR |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.)*** | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| GP-12 | 1 | 0-2.5 | Soil - Headspace | 0.5 | 0.0 | NONS |
| GP-12 | 2 | 2.5-5 | Soil - Headspace | 0.6 | 0.0 | NONS |
| GP-12 | 3 | 5-7.5 | Soil - Headspace | 1.1 | 0.0 | NONS |
| GP-12 | 4 | 7.5-10 | Soil - Headspace | 0.8 | 0.0 | NONS |
| GP-13 | 1 | 0-2.5 | Soil - Headspace | 1.3 | 0.0 | NONS |
| GP-13 | 2 | 2.5-5 | Soil - Headspace | 9.9 | 0.0 | NONS |
| GP-13 | 3 | 5-7.5 | Soil - Headspace | 5.5 | 0.0 | NONS |
| GP-13 | 4 | 7.5-10 | Soil - Headspace | 21.4 | 0.0 | NONS |
| GP-14 | 1 | 0-2.5 | Soil - Headspace | 11.7 | 0.0 | NONS |
| GP-14 | 2 | 2.5-5 | Soil - Headspace | 0.4 | 0.0 | NONS |
| GP-14 | 3 | 5-6 | Soil - Headspace | 1.1 | 0.0 | NONS |
| GP-15 | 1 | 0-2.5 | Soil - Headspace | 0.9 | 0.0 | NONS |
| GP-15 | 2 | 2.5-5 | Soil - Headspace | 0.4 | 0.0 | NONS |
| GP-15 | 3 | 5-7 | Soil - Headspace | 0.1 | 0.0 | NONS |
| GP-15 | 4 | 7-9 | Soil - Headspace | 0.0 | 0.0 | NONS |
| GP-16 | 1 | 0-2.5 | Soil - Headspace | 0.0 | 0.0 | NONS |
| GP-16 | 2 | 2.5-5 | Soil - Headspace | 0.0 | 0.0 | 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 1 OF 1 |
| **LOCATION:** | 742, 754 & 758 State Street Schenectady | | **DATE COLLECTED:** 9/15/24 |
| **COUNTY, STATE:** | Schenectady County, NY | | |
| **INSTRUMENT USED:** | MiniRae 3000 **LAMP** 10.6 **eV** | | **DATE ANALYZED:** 9/15/24 |
| **DATE INSTRUMENT CALIBRATED:** | 9/15/2024 **BY:** AR | | |
| **TEMPERATURE OF SOIL:** | ambient | | **ANALYST:** AR |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.)*** | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| TP-1 | 1 | 0-2 | Soil - Headspace | 8.7 | 0.0 | NONS |
| TP-2 | 2 | 0-2 | Soil - Headspace | 14.3 | 0.0 | NONS |
| TP-3 | 3 | 0-2 | Soil - Headspace | 195.5 | 0.0 | Petrochemical Odor/Staining |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

*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 E

## Laboratory Analysis Report for Soil from Soil Borings

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L2427928 |
| Client: | C.T. Male Associates<br>50 Century Hill Drive<br>Latham, NY 12110 |
| ATTN: | Aimee Smith |
| Phone: | (518) 786-7400 |
| Project Name: | SCHENECTADY 40 ANCHOR SITE |
| Project Number: | 23.3588 |
| Report Date: | 05/28/24 |



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), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

**ATTACHMENT 15**

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Project Number:** 23.3588

**Lab Number:** L2427928
**Report Date:** 05/28/24

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|---|---|---|---|---|---|
| L2427928-01 | GP-7_5-7.5 | SOIL | SCHENECTADY, NY | 05/20/24 12:50 | 05/20/24 |
| L2427928-02 | GP-8_5-7.5 | SOIL | SCHENECTADY, NY | 05/20/24 13:00 | 05/20/24 |
| L2427928-03 | GP-9_5-7.5 | SOIL | SCHENECTADY, NY | 05/20/24 13:05 | 05/20/24 |
| L2427928-04 | GP-10_2.5-5 | SOIL | SCHENECTADY, NY | 05/20/24 13:10 | 05/20/24 |
| L2427928-05 | GP-11_2.5-5 | SOIL | SCHENECTADY, NY | 05/20/24 13:15 | 05/20/24 |
| L2427928-06 | GP-12_5-7.5 | SOIL | SCHENECTADY, NY | 05/20/24 13:20 | 05/20/24 |
| L2427928-07 | GP-13_5-7.5 | SOIL | SCHENECTADY, NY | 05/20/24 13:25 | 05/20/24 |
| L2427928-08 | GP-14_5-6 | SOIL | SCHENECTADY, NY | 05/20/24 13:30 | 05/20/24 |
| L2427928-09 | GP-15_5-7 | SOIL | SCHENECTADY, NY | 05/20/24 13:35 | 05/20/24 |
| L2427928-10 | GP-16_2.5-5 | SOIL | SCHENECTADY, NY | 05/20/24 13:40 | 05/20/24 |

| | | | |
|---|---|---|---|
| **Project Name:** | SCHENECTADY 40 ANCHOR SITE | **Lab Number:** | L2427928 |
| **Project Number:** | 23.3588 | **Report Date:** | 05/28/24 |

## 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:** L2427928
**Project Number:** 23.3588 **Report Date:** 05/28/24

**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

L2427928-01, -02, -04 through -10: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

L2427928-03: The sample has elevated detection limits for all elements due to the dilution required by the sample matrix.

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

Authorized Signature: Caitlin Walukevich

Title: Technical Director/Representative Date: 05/28/24

# ORGANICS

# SEMIVOLATILES

**Project Name:** SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2427928

**Project Number:** 23.3588 **Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-01
Client ID: GP-7_5-7.5
Sample Location: SCHENECTADY, NY

Date Collected: 05/20/24 12:50
Date Received: 05/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 05/24/24 10:45
Analyst: EK
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 05/22/24 14:09

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 140 | 18. | 1 |
| Fluoranthene | 180 | | ug/kg | 100 | 20. | 1 |
| Benzo(a)anthracene | 38 | J | ug/kg | 100 | 19. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 140 | 42. | 1 |
| Benzo(b)fluoranthene | 53 | J | ug/kg | 100 | 29. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 100 | 28. | 1 |
| Chrysene | 61 | J | ug/kg | 100 | 18. | 1 |
| Acenaphthylene | ND | | ug/kg | 140 | 27. | 1 |
| Anthracene | ND | | ug/kg | 100 | 34. | 1 |
| Benzo(ghi)perylene | 27 | J | ug/kg | 140 | 20. | 1 |
| Fluorene | ND | | ug/kg | 170 | 17. | 1 |
| Phenanthrene | 110 | | ug/kg | 100 | 21. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 100 | 20. | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 140 | 24. | 1 |
| Pyrene | 170 | | ug/kg | 100 | 17. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Nitrobenzene-d5 | 77 | | 23-120 |
| 2-Fluorobiphenyl | 77 | | 30-120 |
| 4-Terphenyl-d14 | 73 | | 18-120 |

**Project Name:** SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2427928

**Project Number:** 23.3588 **Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-02
Client ID: GP-8_5-7.5
Sample Location: SCHENECTADY, NY

Date Collected: 05/20/24 13:00
Date Received: 05/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 05/24/24 08:26
Analyst: EK
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 05/22/24 14:09

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 150 | 20. | 1 |
| Fluoranthene | 330 | | ug/kg | 110 | 22. | 1 |
| Benzo(a)anthracene | 76 | J | ug/kg | 110 | 21. | 1 |
| Benzo(a)pyrene | 100 | J | ug/kg | 150 | 46. | 1 |
| Benzo(b)fluoranthene | 160 | | ug/kg | 110 | 32. | 1 |
| Benzo(k)fluoranthene | 60 | J | ug/kg | 110 | 30. | 1 |
| Chrysene | 140 | | ug/kg | 110 | 20. | 1 |
| Acenaphthylene | 76 | J | ug/kg | 150 | 29. | 1 |
| Anthracene | 45 | J | ug/kg | 110 | 37. | 1 |
| Benzo(ghi)perylene | 85 | J | ug/kg | 150 | 22. | 1 |
| Fluorene | 24 | J | ug/kg | 190 | 18. | 1 |
| Phenanthrene | 230 | | ug/kg | 110 | 23. | 1 |
| Dibenzo(a,h)anthracene | 23 | J | ug/kg | 110 | 22. | 1 |
| Indeno(1,2,3-cd)pyrene | 79 | J | ug/kg | 150 | 26. | 1 |
| Pyrene | 260 | | ug/kg | 110 | 19. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Nitrobenzene-d5 | 77 | | 23-120 |
| 2-Fluorobiphenyl | 81 | | 30-120 |
| 4-Terphenyl-d14 | 78 | | 18-120 |

**Project Name:** SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2427928

**Project Number:** 23.3588 **Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-03
Client ID: GP-9_5-7.5
Sample Location: SCHENECTADY, NY

Date Collected: 05/20/24 13:05
Date Received: 05/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 05/24/24 11:31
Analyst: EK
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 05/22/24 14:09

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 100 | J | ug/kg | 150 | 19. | 1 |
| Fluoranthene | 1700 | | ug/kg | 110 | 21. | 1 |
| Benzo(a)anthracene | 830 | | ug/kg | 110 | 21. | 1 |
| Benzo(a)pyrene | 850 | | ug/kg | 150 | 45. | 1 |
| Benzo(b)fluoranthene | 1100 | | ug/kg | 110 | 31. | 1 |
| Benzo(k)fluoranthene | 370 | | ug/kg | 110 | 29. | 1 |
| Chrysene | 890 | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | 78 | J | ug/kg | 150 | 28. | 1 |
| Anthracene | 210 | | ug/kg | 110 | 36. | 1 |
| Benzo(ghi)perylene | 620 | | ug/kg | 150 | 22. | 1 |
| Fluorene | 70 | J | ug/kg | 180 | 18. | 1 |
| Phenanthrene | 870 | | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | 130 | | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | 570 | | ug/kg | 150 | 26. | 1 |
| Pyrene | 1500 | | ug/kg | 110 | 18. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Nitrobenzene-d5 | 65 | | 23-120 |
| 2-Fluorobiphenyl | 73 | | 30-120 |
| 4-Terphenyl-d14 | 60 | | 18-120 |

**Project Name:** SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2427928

**Project Number:** 23.3588 **Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-04
Client ID: GP-10_2.5-5
Sample Location: SCHENECTADY, NY

Date Collected: 05/20/24 13:10
Date Received: 05/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 05/24/24 08:03
Analyst: EK
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 05/22/24 14:09

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 19 | J | ug/kg | 140 | 19. | 1 |
| Fluoranthene | 590 | | ug/kg | 110 | 21. | 1 |
| Benzo(a)anthracene | 250 | | ug/kg | 110 | 20. | 1 |
| Benzo(a)pyrene | 240 | | ug/kg | 140 | 44. | 1 |
| Benzo(b)fluoranthene | 290 | | ug/kg | 110 | 30. | 1 |
| Benzo(k)fluoranthene | 96 | J | ug/kg | 110 | 29. | 1 |
| Chrysene | 250 | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | 35 | J | ug/kg | 140 | 28. | 1 |
| Anthracene | 75 | J | ug/kg | 110 | 35. | 1 |
| Benzo(ghi)perylene | 160 | | ug/kg | 140 | 21. | 1 |
| Fluorene | 28 | J | ug/kg | 180 | 18. | 1 |
| Phenanthrene | 360 | | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | 34 | J | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | 140 | | ug/kg | 140 | 25. | 1 |
| Pyrene | 530 | | ug/kg | 110 | 18. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Nitrobenzene-d5 | 86 | | 23-120 |
| 2-Fluorobiphenyl | 74 | | 30-120 |
| 4-Terphenyl-d14 | 68 | | 18-120 |

**Project Name:** SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2427928

**Project Number:** 23.3588 **Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-05
Client ID: GP-11_2.5-5
Sample Location: SCHENECTADY, NY

Date Collected: 05/20/24 13:15
Date Received: 05/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 05/24/24 11:08
Analyst: EK
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/22/24 14:09

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 100 | J | ug/kg | 140 | 18. | 1 |
| Fluoranthene | 1300 | | ug/kg | 100 | 20. | 1 |
| Benzo(a)anthracene | 690 | | ug/kg | 100 | 20. | 1 |
| Benzo(a)pyrene | 680 | | ug/kg | 140 | 43. | 1 |
| Benzo(b)fluoranthene | 810 | | ug/kg | 100 | 30. | 1 |
| Benzo(k)fluoranthene | 230 | | ug/kg | 100 | 28. | 1 |
| Chrysene | 750 | | ug/kg | 100 | 18. | 1 |
| Acenaphthylene | ND | | ug/kg | 140 | 27. | 1 |
| Anthracene | 260 | | ug/kg | 100 | 34. | 1 |
| Benzo(ghi)perylene | 480 | | ug/kg | 140 | 21. | 1 |
| Fluorene | 75 | J | ug/kg | 180 | 17. | 1 |
| Phenanthrene | 780 | | ug/kg | 100 | 21. | 1 |
| Dibenzo(a,h)anthracene | 97 | J | ug/kg | 100 | 20. | 1 |
| Indeno(1,2,3-cd)pyrene | 400 | | ug/kg | 140 | 24. | 1 |
| Pyrene | 1400 | | ug/kg | 100 | 17. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Nitrobenzene-d5 | 67 | | 23-120 |
| 2-Fluorobiphenyl | 65 | | 30-120 |
| 4-Terphenyl-d14 | 59 | | 18-120 |

**Project Name:** SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2427928

**Project Number:** 23.3588 **Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-06
Client ID: GP-12_5-7.5
Sample Location: SCHENECTADY, NY

Date Collected: 05/20/24 13:20
Date Received: 05/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 05/24/24 09:58
Analyst: EK
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 05/22/24 14:09

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 150 | 19. | 1 |
| Fluoranthene | 93 | J | ug/kg | 110 | 21. | 1 |
| Benzo(a)anthracene | 31 | J | ug/kg | 110 | 21. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 150 | 45. | 1 |
| Benzo(b)fluoranthene | 42 | J | ug/kg | 110 | 31. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 110 | 30. | 1 |
| Chrysene | 53 | J | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | ND | | ug/kg | 150 | 29. | 1 |
| Anthracene | ND | | ug/kg | 110 | 36. | 1 |
| Benzo(ghi)perylene | 24 | J | ug/kg | 150 | 22. | 1 |
| Fluorene | ND | | ug/kg | 180 | 18. | 1 |
| Phenanthrene | 57 | J | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 150 | 26. | 1 |
| Pyrene | 93 | J | ug/kg | 110 | 18. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Nitrobenzene-d5 | 69 | | 23-120 |
| 2-Fluorobiphenyl | 74 | | 30-120 |
| 4-Terphenyl-d14 | 65 | | 18-120 |

**Project Name:** SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2427928

**Project Number:** 23.3588 **Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-07
Client ID: GP-13_5-7.5
Sample Location: SCHENECTADY, NY

Date Collected: 05/20/24 13:25
Date Received: 05/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 05/24/24 07:16
Analyst: EK
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 05/22/24 14:09

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 160 | 21. | 1 |
| Fluoranthene | ND | | ug/kg | 120 | 23. | 1 |
| Benzo(a)anthracene | ND | | ug/kg | 120 | 23. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 160 | 50. | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 120 | 34. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 120 | 33. | 1 |
| Chrysene | ND | | ug/kg | 120 | 21. | 1 |
| Acenaphthylene | ND | | ug/kg | 160 | 31. | 1 |
| Anthracene | ND | | ug/kg | 120 | 40. | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 160 | 24. | 1 |
| Fluorene | ND | | ug/kg | 200 | 20. | 1 |
| Phenanthrene | ND | | ug/kg | 120 | 25. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 120 | 24. | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 160 | 28. | 1 |
| Pyrene | ND | | ug/kg | 120 | 20. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Nitrobenzene-d5 | 68 | | 23-120 |
| 2-Fluorobiphenyl | 61 | | 30-120 |
| 4-Terphenyl-d14 | 49 | | 18-120 |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Lab Number:** L2427928
**Project Number:** 23.3588
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-08 D2
Client ID: GP-14_5-6
Sample Location: SCHENECTADY, NY

Date Collected: 05/20/24 13:30
Date Received: 05/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 05/26/24 22:23
Analyst: CMM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 05/22/24 14:09

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Fluoranthene | 170000 | | ug/kg | 5900 | 1100 | 50 |
| Phenanthrene | 140000 | | ug/kg | 5900 | 1200 | 50 |

**Project Name:** SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2427928

**Project Number:** 23.3588 **Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-08 D
Client ID: GP-14_5-6
Sample Location: SCHENECTADY, NY

Date Collected: 05/20/24 13:30
Date Received: 05/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 05/24/24 10:22
Analyst: CMM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 05/22/24 14:09

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 11000 | | ug/kg | 1600 | 200 | 10 |
| Fluoranthene | 90000 | E | ug/kg | 1200 | 220 | 10 |
| Benzo(a)anthracene | 47000 | | ug/kg | 1200 | 220 | 10 |
| Benzo(a)pyrene | 44000 | | ug/kg | 1600 | 480 | 10 |
| Benzo(b)fluoranthene | 54000 | | ug/kg | 1200 | 330 | 10 |
| Benzo(k)fluoranthene | 18000 | | ug/kg | 1200 | 310 | 10 |
| Chrysene | 39000 | | ug/kg | 1200 | 200 | 10 |
| Acenaphthylene | 11000 | | ug/kg | 1600 | 300 | 10 |
| Anthracene | 23000 | | ug/kg | 1200 | 380 | 10 |
| Benzo(ghi)perylene | 26000 | | ug/kg | 1600 | 230 | 10 |
| Fluorene | 17000 | | ug/kg | 2000 | 190 | 10 |
| Phenanthrene | 80000 | E | ug/kg | 1200 | 240 | 10 |
| Dibenzo(a,h)anthracene | 6600 | | ug/kg | 1200 | 230 | 10 |
| Indeno(1,2,3-cd)pyrene | 27000 | | ug/kg | 1600 | 270 | 10 |
| Pyrene | 71000 | | ug/kg | 1200 | 200 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Nitrobenzene-d5 | 47 | | 23-120 |
| 2-Fluorobiphenyl | 48 | | 30-120 |
| 4-Terphenyl-d14 | 55 | | 18-120 |

**Project Name:** SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2427928

**Project Number:** 23.3588 **Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-09
Client ID: GP-15_5-7
Sample Location: SCHENECTADY, NY

Date Collected: 05/20/24 13:35
Date Received: 05/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 05/24/24 07:40
Analyst: EK
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 05/22/24 14:54

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 26 | J | ug/kg | 140 | 19. | 1 |
| Fluoranthene | 400 | | ug/kg | 110 | 21. | 1 |
| Benzo(a)anthracene | 180 | | ug/kg | 110 | 20. | 1 |
| Benzo(a)pyrene | 180 | | ug/kg | 140 | 44. | 1 |
| Benzo(b)fluoranthene | 230 | | ug/kg | 110 | 30. | 1 |
| Benzo(k)fluoranthene | 74 | J | ug/kg | 110 | 29. | 1 |
| Chrysene | 180 | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | ND | | ug/kg | 140 | 28. | 1 |
| Anthracene | 74 | J | ug/kg | 110 | 35. | 1 |
| Benzo(ghi)perylene | 110 | J | ug/kg | 140 | 21. | 1 |
| Fluorene | 27 | J | ug/kg | 180 | 18. | 1 |
| Phenanthrene | 230 | | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | 28 | J | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | 100 | J | ug/kg | 140 | 25. | 1 |
| Pyrene | 330 | | ug/kg | 110 | 18. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Nitrobenzene-d5 | 80 | | 23-120 |
| 2-Fluorobiphenyl | 77 | | 30-120 |
| 4-Terphenyl-d14 | 72 | | 18-120 |

**Project Name:** SCHENECTADY 40 ANCHOR SITE **Lab Number:** L2427928

**Project Number:** 23.3588 **Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-10
Client ID: GP-16_2.5-5
Sample Location: SCHENECTADY, NY

Date Collected: 05/20/24 13:40
Date Received: 05/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 05/24/24 06:53
Analyst: EK
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 05/22/24 14:54

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 170 | 22. | 1 |
| Fluoranthene | 140 | | ug/kg | 120 | 24. | 1 |
| Benzo(a)anthracene | 75 | J | ug/kg | 120 | 24. | 1 |
| Benzo(a)pyrene | 73 | J | ug/kg | 170 | 51. | 1 |
| Benzo(b)fluoranthene | 91 | J | ug/kg | 120 | 35. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 120 | 33. | 1 |
| Chrysene | 68 | J | ug/kg | 120 | 22. | 1 |
| Acenaphthylene | ND | | ug/kg | 170 | 32. | 1 |
| Anthracene | ND | | ug/kg | 120 | 41. | 1 |
| Benzo(ghi)perylene | 44 | J | ug/kg | 170 | 24. | 1 |
| Fluorene | ND | | ug/kg | 210 | 20. | 1 |
| Phenanthrene | 27 | J | ug/kg | 120 | 25. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 120 | 24. | 1 |
| Indeno(1,2,3-cd)pyrene | 42 | J | ug/kg | 170 | 29. | 1 |
| Pyrene | 120 | | ug/kg | 120 | 21. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Nitrobenzene-d5 | 76 | | 23-120 |
| 2-Fluorobiphenyl | 73 | | 30-120 |
| 4-Terphenyl-d14 | 65 | | 18-120 |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Project Number:** 23.3588
**Lab Number:** L2427928
**Report Date:** 05/28/24

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 05/23/24 23:27
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 05/22/24 14:09

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1924542-1 | | | | | |
| Acenaphthene | ND | | ug/kg | 130 | 17. |
| Fluoranthene | ND | | ug/kg | 98 | 19. |
| Benzo(a)anthracene | ND | | ug/kg | 98 | 18. |
| Benzo(a)pyrene | ND | | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene | ND | | ug/kg | 98 | 27. |
| Benzo(k)fluoranthene | ND | | ug/kg | 98 | 26. |
| Chrysene | ND | | ug/kg | 98 | 17. |
| Acenaphthylene | ND | | ug/kg | 130 | 25. |
| Anthracene | ND | | ug/kg | 98 | 32. |
| Benzo(ghi)perylene | ND | | ug/kg | 130 | 19. |
| Fluorene | ND | | ug/kg | 160 | 16. |
| Phenanthrene | ND | | ug/kg | 98 | 20. |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 98 | 19. |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 130 | 23. |
| Pyrene | ND | | ug/kg | 98 | 16. |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 81 | | 25-120 |
| Phenol-d6 | 80 | | 10-120 |
| Nitrobenzene-d5 | 78 | | 23-120 |
| 2-Fluorobiphenyl | 94 | | 30-120 |
| 2,4,6-Tribromophenol | 125 | | 10-136 |
| 4-Terphenyl-d14 | 100 | | 18-120 |

ATTACHMENT 15

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SCHENECTADY 40 ANCHOR SITE

**Project Number:** 23.3588

**Lab Number:** L2427928

**Report Date:** 05/28/24

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1924542-2 WG1924542-3 | | | | | | | | |
| Acenaphthene | 85 | | 82 | | 31-137 | 4 | | 50 |
| Fluoranthene | 89 | | 86 | | 40-140 | 3 | | 50 |
| Benzo(a)anthracene | 84 | | 82 | | 40-140 | 2 | | 50 |
| Benzo(a)pyrene | 91 | | 92 | | 40-140 | 1 | | 50 |
| Benzo(b)fluoranthene | 92 | | 90 | | 40-140 | 2 | | 50 |
| Benzo(k)fluoranthene | 87 | | 86 | | 40-140 | 1 | | 50 |
| Chrysene | 85 | | 82 | | 40-140 | 4 | | 50 |
| Acenaphthylene | 95 | | 87 | | 40-140 | 9 | | 50 |
| Anthracene | 86 | | 83 | | 40-140 | 4 | | 50 |
| Benzo(ghi)perylene | 87 | | 84 | | 40-140 | 4 | | 50 |
| Fluorene | 88 | | 84 | | 40-140 | 5 | | 50 |
| Phenanthrene | 83 | | 80 | | 40-140 | 4 | | 50 |
| Dibenzo(a,h)anthracene | 87 | | 84 | | 40-140 | 4 | | 50 |
| Indeno(1,2,3-cd)pyrene | 90 | | 86 | | 40-140 | 5 | | 50 |
| Pyrene | 87 | | 85 | | 35-142 | 2 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 76 | | 67 | | 25-120 |
| Phenol-d6 | 76 | | 68 | | 10-120 |
| Nitrobenzene-d5 | 78 | | 69 | | 23-120 |
| 2-Fluorobiphenyl | 88 | | 80 | | 30-120 |
| 2,4,6-Tribromophenol | 123 | | 118 | | 10-136 |
| 4-Terphenyl-d14 | 90 | | 85 | | 18-120 |

# METALS

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Lab Number:** L2427928
**Project Number:** 23.3588
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-01
Client ID: GP-7_5-7.5
Sample Location: SCHENECTADY, NY
Date Collected: 05/20/24 12:50
Date Received: 05/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 6270 | | mg/kg | 8.20 | 2.21 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Antimony, Total | ND | | mg/kg | 4.10 | 0.312 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Arsenic, Total | 3.33 | | mg/kg | 0.820 | 0.170 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Barium, Total | 24.5 | | mg/kg | 0.820 | 0.143 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Beryllium, Total | 0.273 | J | mg/kg | 0.410 | 0.027 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Cadmium, Total | 0.190 | J | mg/kg | 0.820 | 0.080 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Calcium, Total | 37000 | | mg/kg | 8.20 | 2.87 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Chromium, Total | 9.85 | | mg/kg | 0.820 | 0.079 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Cobalt, Total | 4.48 | | mg/kg | 1.64 | 0.136 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Copper, Total | 13.9 | | mg/kg | 0.820 | 0.212 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Iron, Total | 15300 | | mg/kg | 4.10 | 0.741 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Lead, Total | 21.6 | | mg/kg | 4.10 | 0.220 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Magnesium, Total | 6540 | | mg/kg | 8.20 | 1.26 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Manganese, Total | 376 | | mg/kg | 0.820 | 0.130 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Mercury, Total | 0.138 | | mg/kg | 0.068 | 0.044 | 1 | 05/24/24 10:10 | 05/24/24 12:07 | EPA 7471B | 1,7471B | MJR |
| Nickel, Total | 11.3 | | mg/kg | 2.05 | 0.198 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Potassium, Total | 514 | | mg/kg | 205 | 11.8 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Selenium, Total | ND | | mg/kg | 1.64 | 0.212 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Silver, Total | ND | | mg/kg | 0.410 | 0.232 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Sodium, Total | 303 | | mg/kg | 164 | 2.58 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Thallium, Total | ND | | mg/kg | 1.64 | 0.258 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Vanadium, Total | 14.5 | | mg/kg | 0.820 | 0.166 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |
| Zinc, Total | 49.8 | | mg/kg | 4.10 | 0.240 | 2 | 05/24/24 09:00 | 05/24/24 15:33 | EPA 3050B | 1,6010D | JMF |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Lab Number:** L2427928
**Project Number:** 23.3588
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-02
Client ID: GP-8_5-7.5
Sample Location: SCHENECTADY, NY
Date Collected: 05/20/24 13:00
Date Received: 05/20/24
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 | 3340 | | mg/kg | 17.5 | 4.72 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Antimony, Total | ND | | mg/kg | 8.73 | 0.664 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Arsenic, Total | 3.10 | | mg/kg | 1.75 | 0.363 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Barium, Total | 52.8 | | mg/kg | 1.75 | 0.304 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Beryllium, Total | 0.198 | J | mg/kg | 0.873 | 0.058 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Cadmium, Total | 0.195 | J | mg/kg | 1.75 | 0.171 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Calcium, Total | 103000 | | mg/kg | 17.5 | 6.11 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Chromium, Total | 5.52 | | mg/kg | 1.75 | 0.168 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Cobalt, Total | 3.40 | J | mg/kg | 3.49 | 0.290 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Copper, Total | 13.5 | | mg/kg | 1.75 | 0.451 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Iron, Total | 7940 | | mg/kg | 8.73 | 1.58 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Lead, Total | 104 | | mg/kg | 8.73 | 0.468 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Magnesium, Total | 6240 | | mg/kg | 17.5 | 2.69 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Manganese, Total | 242 | | mg/kg | 1.75 | 0.278 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Mercury, Total | 0.172 | | mg/kg | 0.073 | 0.047 | 1 | 05/24/24 10:10 | 05/24/24 12:25 | EPA 7471B | 1,7471B | MJR |
| Nickel, Total | 7.42 | | mg/kg | 4.37 | 0.423 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Potassium, Total | 294 | J | mg/kg | 437 | 25.2 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Selenium, Total | ND | | mg/kg | 3.49 | 0.451 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Silver, Total | ND | | mg/kg | 0.873 | 0.494 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Sodium, Total | 87.3 | J | mg/kg | 349 | 5.50 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Thallium, Total | ND | | mg/kg | 3.49 | 0.550 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Vanadium, Total | 9.19 | | mg/kg | 1.75 | 0.355 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |
| Zinc, Total | 79.9 | | mg/kg | 8.73 | 0.512 | 4 | 05/24/24 09:00 | 05/24/24 17:09 | EPA 3050B | 1,6010D | JMF |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Lab Number:** L2427928
**Project Number:** 23.3588
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-03
Client ID: GP-9_5-7.5
Sample Location: SCHENECTADY, NY
Date Collected: 05/20/24 13:05
Date Received: 05/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 5650 | | mg/kg | 8.81 | 2.38 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Antimony, Total | 1.60 | J | mg/kg | 4.40 | 0.335 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Arsenic, Total | 8.30 | | mg/kg | 0.881 | 0.183 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Barium, Total | 114 | | mg/kg | 0.881 | 0.153 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Beryllium, Total | 0.334 | J | mg/kg | 0.440 | 0.029 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Cadmium, Total | 0.899 | | mg/kg | 0.881 | 0.086 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Calcium, Total | 26800 | | mg/kg | 8.81 | 3.08 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Chromium, Total | 36.9 | | mg/kg | 0.881 | 0.085 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Cobalt, Total | 4.83 | | mg/kg | 1.76 | 0.146 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Copper, Total | 32.3 | | mg/kg | 0.881 | 0.227 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Iron, Total | 17400 | | mg/kg | 4.40 | 0.795 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Lead, Total | 1130 | | mg/kg | 4.40 | 0.236 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Magnesium, Total | 6440 | | mg/kg | 8.81 | 1.36 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Manganese, Total | 297 | | mg/kg | 0.881 | 0.140 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Mercury, Total | 30.5 | | mg/kg | 1.42 | 0.924 | 20 | 05/24/24 10:10 | 05/24/24 13:42 | EPA 7471B | 1,7471B | MJR |
| Nickel, Total | 11.6 | | mg/kg | 2.20 | 0.213 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Potassium, Total | 592 | | mg/kg | 220 | 12.7 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Selenium, Total | ND | | mg/kg | 1.76 | 0.227 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Silver, Total | ND | | mg/kg | 0.440 | 0.249 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Sodium, Total | 294 | | mg/kg | 176 | 2.77 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Thallium, Total | ND | | mg/kg | 1.76 | 0.277 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Vanadium, Total | 17.1 | | mg/kg | 0.881 | 0.179 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |
| Zinc, Total | 575 | | mg/kg | 4.40 | 0.258 | 2 | 05/24/24 09:00 | 05/24/24 15:41 | EPA 3050B | 1,6010D | JMF |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Lab Number:** L2427928
**Project Number:** 23.3588
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-04
Client ID: GP-10_2.5-5
Sample Location: SCHENECTADY, NY
Date Collected: 05/20/24 13:10
Date Received: 05/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 4050 | | mg/kg | 8.47 | 2.29 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Antimony, Total | 0.805 | J | mg/kg | 4.24 | 0.322 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Arsenic, Total | 4.41 | | mg/kg | 0.847 | 0.176 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Barium, Total | 49.2 | | mg/kg | 0.847 | 0.147 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Beryllium, Total | 0.229 | J | mg/kg | 0.424 | 0.028 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Cadmium, Total | 0.404 | J | mg/kg | 0.847 | 0.083 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Calcium, Total | 13200 | | mg/kg | 8.47 | 2.97 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Chromium, Total | 11.3 | | mg/kg | 0.847 | 0.081 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Cobalt, Total | 2.74 | | mg/kg | 1.69 | 0.141 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Copper, Total | 43.1 | | mg/kg | 0.847 | 0.219 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Iron, Total | 10100 | | mg/kg | 4.24 | 0.765 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Lead, Total | 242 | | mg/kg | 4.24 | 0.227 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Magnesium, Total | 3120 | | mg/kg | 8.47 | 1.30 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Manganese, Total | 144 | | mg/kg | 0.847 | 0.135 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Mercury, Total | 0.230 | | mg/kg | 0.071 | 0.046 | 1 | 05/24/24 10:10 | 05/24/24 12:34 | EPA 7471B | 1,7471B | MJR |
| Nickel, Total | 6.19 | | mg/kg | 2.12 | 0.205 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Potassium, Total | 349 | | mg/kg | 212 | 12.2 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Selenium, Total | ND | | mg/kg | 1.69 | 0.219 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Silver, Total | ND | | mg/kg | 0.424 | 0.240 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Sodium, Total | 290 | | mg/kg | 169 | 2.67 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Thallium, Total | ND | | mg/kg | 1.69 | 0.267 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Vanadium, Total | 12.3 | | mg/kg | 0.847 | 0.172 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |
| Zinc, Total | 241 | | mg/kg | 4.24 | 0.248 | 2 | 05/24/24 09:00 | 05/24/24 15:45 | EPA 3050B | 1,6010D | JMF |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Lab Number:** L2427928
**Project Number:** 23.3588
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-05
Client ID: GP-11_2.5-5
Sample Location: SCHENECTADY, NY
Date Collected: 05/20/24 13:15
Date Received: 05/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 4770 | | mg/kg | 8.39 | 2.26 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Antimony, Total | 0.624 | J | mg/kg | 4.19 | 0.319 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Arsenic, Total | 4.61 | | mg/kg | 0.839 | 0.174 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Barium, Total | 40.5 | | mg/kg | 0.839 | 0.146 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Beryllium, Total | 0.302 | J | mg/kg | 0.419 | 0.028 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Cadmium, Total | 0.250 | J | mg/kg | 0.839 | 0.082 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Calcium, Total | 31700 | | mg/kg | 8.39 | 2.94 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Chromium, Total | 7.14 | | mg/kg | 0.839 | 0.081 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Cobalt, Total | 3.70 | | mg/kg | 1.68 | 0.139 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Copper, Total | 24.0 | | mg/kg | 0.839 | 0.216 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Iron, Total | 12100 | | mg/kg | 4.19 | 0.757 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Lead, Total | 215 | | mg/kg | 4.19 | 0.225 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Magnesium, Total | 10700 | | mg/kg | 8.39 | 1.29 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Manganese, Total | 232 | | mg/kg | 0.839 | 0.133 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Mercury, Total | 0.423 | | mg/kg | 0.070 | 0.045 | 1 | 05/24/24 10:10 | 05/24/24 12:38 | EPA 7471B | 1,7471B | MJR |
| Nickel, Total | 8.71 | | mg/kg | 2.10 | 0.203 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Potassium, Total | 412 | | mg/kg | 210 | 12.1 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Selenium, Total | ND | | mg/kg | 1.68 | 0.216 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Silver, Total | ND | | mg/kg | 0.419 | 0.237 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Sodium, Total | 103 | J | mg/kg | 168 | 2.64 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Thallium, Total | ND | | mg/kg | 1.68 | 0.264 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Vanadium, Total | 14.2 | | mg/kg | 0.839 | 0.170 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |
| Zinc, Total | 81.9 | | mg/kg | 4.19 | 0.246 | 2 | 05/24/24 09:00 | 05/24/24 15:49 | EPA 3050B | 1,6010D | JMF |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Lab Number:** L2427928
**Project Number:** 23.3588
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-06
Client ID: GP-12_5-7.5
Sample Location: SCHENECTADY, NY
Date Collected: 05/20/24 13:20
Date Received: 05/20/24
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 | 3730 | | mg/kg | 8.55 | 2.31 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Antimony, Total | ND | | mg/kg | 4.28 | 0.325 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Arsenic, Total | 2.67 | | mg/kg | 0.855 | 0.178 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Barium, Total | 13.6 | | mg/kg | 0.855 | 0.149 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Beryllium, Total | 0.222 | J | mg/kg | 0.428 | 0.028 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Cadmium, Total | 0.129 | J | mg/kg | 0.855 | 0.084 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Calcium, Total | 2910 | | mg/kg | 8.55 | 2.99 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Chromium, Total | 5.37 | | mg/kg | 0.855 | 0.082 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Cobalt, Total | 3.15 | | mg/kg | 1.71 | 0.142 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Copper, Total | 8.26 | | mg/kg | 0.855 | 0.221 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Iron, Total | 10100 | | mg/kg | 4.28 | 0.772 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Lead, Total | 8.71 | | mg/kg | 4.28 | 0.229 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Magnesium, Total | 2240 | | mg/kg | 8.55 | 1.32 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Manganese, Total | 206 | | mg/kg | 0.855 | 0.136 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Mercury, Total | 0.060 | J | mg/kg | 0.072 | 0.047 | 1 | 05/24/24 10:10 | 05/24/24 12:41 | EPA 7471B | 1,7471B | MJR |
| Nickel, Total | 6.26 | | mg/kg | 2.14 | 0.207 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Potassium, Total | 250 | | mg/kg | 214 | 12.3 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Selenium, Total | ND | | mg/kg | 1.71 | 0.221 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Silver, Total | ND | | mg/kg | 0.428 | 0.242 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Sodium, Total | 51.6 | J | mg/kg | 171 | 2.69 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Thallium, Total | ND | | mg/kg | 1.71 | 0.269 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Vanadium, Total | 10.4 | | mg/kg | 0.855 | 0.174 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |
| Zinc, Total | 41.4 | | mg/kg | 4.28 | 0.251 | 2 | 05/24/24 09:00 | 05/24/24 15:53 | EPA 3050B | 1,6010D | JMF |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Lab Number:** L2427928
**Project Number:** 23.3588
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-07
Client ID: GP-13_5-7.5
Sample Location: SCHENECTADY, NY
Date Collected: 05/20/24 13:25
Date Received: 05/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 81%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 5350 | | mg/kg | 9.56 | 2.58 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Antimony, Total | 0.405 | J | mg/kg | 4.78 | 0.363 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Arsenic, Total | 7.55 | | mg/kg | 0.956 | 0.199 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Barium, Total | 152 | | mg/kg | 0.956 | 0.166 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Beryllium, Total | 0.259 | J | mg/kg | 0.478 | 0.032 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Cadmium, Total | 1.08 | | mg/kg | 0.956 | 0.094 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Calcium, Total | 79200 | | mg/kg | 9.56 | 3.35 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Chromium, Total | 10.8 | | mg/kg | 0.956 | 0.092 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Cobalt, Total | 3.41 | | mg/kg | 1.91 | 0.159 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Copper, Total | 11.2 | | mg/kg | 0.956 | 0.247 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Iron, Total | 11700 | | mg/kg | 4.78 | 0.863 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Lead, Total | 334 | | mg/kg | 4.78 | 0.256 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Magnesium, Total | 5310 | | mg/kg | 9.56 | 1.47 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Manganese, Total | 216 | | mg/kg | 0.956 | 0.152 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Mercury, Total | 0.265 | | mg/kg | 0.078 | 0.051 | 1 | 05/24/24 10:10 | 05/24/24 12:44 | EPA 7471B | 1,7471B | MJR |
| Nickel, Total | 6.95 | | mg/kg | 2.39 | 0.231 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Potassium, Total | 635 | | mg/kg | 239 | 13.8 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Selenium, Total | ND | | mg/kg | 1.91 | 0.247 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Silver, Total | ND | | mg/kg | 0.478 | 0.270 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Sodium, Total | 475 | | mg/kg | 191 | 3.01 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Thallium, Total | ND | | mg/kg | 1.91 | 0.301 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Vanadium, Total | 18.7 | | mg/kg | 0.956 | 0.194 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |
| Zinc, Total | 726 | | mg/kg | 4.78 | 0.280 | 2 | 05/24/24 09:00 | 05/24/24 15:57 | EPA 3050B | 1,6010D | JMF |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Lab Number:** L2427928
**Project Number:** 23.3588
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-08
Client ID: GP-14_5-6
Sample Location: SCHENECTADY, NY
Date Collected: 05/20/24 13:30
Date Received: 05/20/24
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 | 6220 | | mg/kg | 9.11 | 2.46 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Antimony, Total | 1.04 | J | mg/kg | 4.56 | 0.346 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Arsenic, Total | 4.33 | | mg/kg | 0.911 | 0.190 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Barium, Total | 282 | | mg/kg | 0.911 | 0.158 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Beryllium, Total | 0.338 | J | mg/kg | 0.456 | 0.030 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Cadmium, Total | 0.242 | J | mg/kg | 0.911 | 0.089 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Calcium, Total | 87000 | | mg/kg | 9.11 | 3.19 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Chromium, Total | 12.6 | | mg/kg | 0.911 | 0.088 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Cobalt, Total | 3.72 | | mg/kg | 1.82 | 0.151 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Copper, Total | 16.9 | | mg/kg | 0.911 | 0.235 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Iron, Total | 11400 | | mg/kg | 4.56 | 0.823 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Lead, Total | 39.4 | | mg/kg | 4.56 | 0.244 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Magnesium, Total | 12900 | | mg/kg | 9.11 | 1.40 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Manganese, Total | 315 | | mg/kg | 0.911 | 0.145 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Mercury, Total | 0.090 | | mg/kg | 0.076 | 0.050 | 1 | 05/24/24 10:10 | 05/24/24 12:48 | EPA 7471B | 1,7471B | MJR |
| Nickel, Total | 11.1 | | mg/kg | 2.28 | 0.220 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Potassium, Total | 588 | | mg/kg | 228 | 13.1 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Selenium, Total | ND | | mg/kg | 1.82 | 0.235 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Silver, Total | 0.273 | J | mg/kg | 0.456 | 0.258 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Sodium, Total | 429 | | mg/kg | 182 | 2.87 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Thallium, Total | ND | | mg/kg | 1.82 | 0.287 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Vanadium, Total | 16.4 | | mg/kg | 0.911 | 0.185 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |
| Zinc, Total | 204 | | mg/kg | 4.56 | 0.267 | 2 | 05/24/24 09:00 | 05/24/24 16:01 | EPA 3050B | 1,6010D | JMF |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Lab Number:** L2427928
**Project Number:** 23.3588
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-09
Client ID: GP-15_5-7
Sample Location: SCHENECTADY, NY
Date Collected: 05/20/24 13:35
Date Received: 05/20/24
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 | 6830 | | mg/kg | 8.64 | 2.33 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Antimony, Total | ND | | mg/kg | 4.32 | 0.328 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Arsenic, Total | 4.05 | | mg/kg | 0.864 | 0.180 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Barium, Total | 58.7 | | mg/kg | 0.864 | 0.150 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Beryllium, Total | 0.301 | J | mg/kg | 0.432 | 0.029 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Cadmium, Total | 0.156 | J | mg/kg | 0.864 | 0.085 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Calcium, Total | 61200 | | mg/kg | 8.64 | 3.02 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Chromium, Total | 12.9 | | mg/kg | 0.864 | 0.083 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Cobalt, Total | 3.17 | | mg/kg | 1.73 | 0.144 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Copper, Total | 11.9 | | mg/kg | 0.864 | 0.223 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Iron, Total | 11000 | | mg/kg | 4.32 | 0.781 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Lead, Total | 40.2 | | mg/kg | 4.32 | 0.232 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Magnesium, Total | 8810 | | mg/kg | 8.64 | 1.33 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Manganese, Total | 247 | | mg/kg | 0.864 | 0.137 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Mercury, Total | 0.095 | | mg/kg | 0.069 | 0.045 | 1 | 05/24/24 10:10 | 05/24/24 12:51 | EPA 7471B | 1,7471B | MJR |
| Nickel, Total | 7.98 | | mg/kg | 2.16 | 0.209 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Potassium, Total | 508 | | mg/kg | 216 | 12.4 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Selenium, Total | ND | | mg/kg | 1.73 | 0.223 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Silver, Total | ND | | mg/kg | 0.432 | 0.245 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Sodium, Total | 244 | | mg/kg | 173 | 2.72 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Thallium, Total | ND | | mg/kg | 1.73 | 0.272 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Vanadium, Total | 12.9 | | mg/kg | 0.864 | 0.175 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |
| Zinc, Total | 56.4 | | mg/kg | 4.32 | 0.253 | 2 | 05/24/24 09:00 | 05/24/24 16:04 | EPA 3050B | 1,6010D | JMF |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Lab Number:** L2427928
**Project Number:** 23.3588
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-10
Client ID: GP-16_2.5-5
Sample Location: SCHENECTADY, NY
Date Collected: 05/20/24 13:40
Date Received: 05/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 80%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 4060 | | mg/kg | 9.63 | 2.60 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Antimony, Total | 0.570 | J | mg/kg | 4.82 | 0.366 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Arsenic, Total | 6.13 | | mg/kg | 0.963 | 0.200 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Barium, Total | 228 | | mg/kg | 0.963 | 0.168 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Beryllium, Total | 0.262 | J | mg/kg | 0.482 | 0.032 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Cadmium, Total | 0.816 | J | mg/kg | 0.963 | 0.094 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Calcium, Total | 56400 | | mg/kg | 9.63 | 3.37 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Chromium, Total | 23.0 | | mg/kg | 0.963 | 0.093 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Cobalt, Total | 3.47 | | mg/kg | 1.93 | 0.160 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Copper, Total | 54.4 | | mg/kg | 0.963 | 0.248 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Iron, Total | 11000 | | mg/kg | 4.82 | 0.870 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Lead, Total | 689 | | mg/kg | 4.82 | 0.258 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Magnesium, Total | 2350 | | mg/kg | 9.63 | 1.48 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Manganese, Total | 216 | | mg/kg | 0.963 | 0.153 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Mercury, Total | 0.530 | | mg/kg | 0.079 | 0.052 | 1 | 05/24/24 10:10 | 05/24/24 12:54 | EPA 7471B | 1,7471B | MJR |
| Nickel, Total | 9.44 | | mg/kg | 2.41 | 0.233 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Potassium, Total | 358 | | mg/kg | 241 | 13.9 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Selenium, Total | ND | | mg/kg | 1.93 | 0.248 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Silver, Total | ND | | mg/kg | 0.482 | 0.273 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Sodium, Total | 114 | J | mg/kg | 193 | 3.03 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Thallium, Total | ND | | mg/kg | 1.93 | 0.303 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Vanadium, Total | 11.0 | | mg/kg | 0.963 | 0.196 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |
| Zinc, Total | 603 | | mg/kg | 4.82 | 0.282 | 2 | 05/24/24 09:00 | 05/24/24 16:08 | EPA 3050B | 1,6010D | JMF |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Project Number:** 23.3588
**Lab Number:** L2427928
**Report Date:** 05/28/24

# 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): 01-10 Batch: WG1925297-1 | | | | | | | | | | |
| Aluminum, Total | ND | | mg/kg | 4.00 | 1.08 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Antimony, Total | ND | | mg/kg | 2.00 | 0.152 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Arsenic, Total | ND | | mg/kg | 0.400 | 0.083 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Barium, Total | ND | | mg/kg | 0.400 | 0.070 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Beryllium, Total | ND | | mg/kg | 0.200 | 0.013 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Cadmium, Total | ND | | mg/kg | 0.400 | 0.039 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Calcium, Total | ND | | mg/kg | 4.00 | 1.40 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Chromium, Total | ND | | mg/kg | 0.400 | 0.038 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Cobalt, Total | ND | | mg/kg | 0.800 | 0.066 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Copper, Total | ND | | mg/kg | 0.400 | 0.103 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Iron, Total | 0.504 | J | mg/kg | 2.00 | 0.361 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Lead, Total | ND | | mg/kg | 2.00 | 0.107 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Magnesium, Total | ND | | mg/kg | 4.00 | 0.616 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Manganese, Total | ND | | mg/kg | 0.400 | 0.064 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Nickel, Total | ND | | mg/kg | 1.00 | 0.097 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Potassium, Total | ND | | mg/kg | 100 | 5.76 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Selenium, Total | ND | | mg/kg | 0.800 | 0.103 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Silver, Total | ND | | mg/kg | 0.200 | 0.113 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Sodium, Total | ND | | mg/kg | 80.0 | 1.26 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Thallium, Total | ND | | mg/kg | 0.800 | 0.126 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Vanadium, Total | ND | | mg/kg | 0.400 | 0.081 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |
| Zinc, Total | ND | | mg/kg | 2.00 | 0.117 | 1 | 05/24/24 09:00 | 05/24/24 11:39 | 1,6010D | DMC |

**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): 01-10 Batch: WG1925299-1 | | | | | | | | | | |
| Mercury, Total | ND | | mg/kg | 0.083 | 0.054 | 1 | 05/24/24 10:10 | 05/24/24 11:51 | 1,7471B | MJR |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Lab Number:** L2427928
**Project Number:** 23.3588
**Report Date:** 05/28/24

# Method Blank Analysis
# Batch Quality Control

**Prep Information**

Digestion Method: EPA 7471B

ATTACHMENT 15

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SCHENECTADY 40 ANCHOR SITE

**Project Number:** 23.3588

**Lab Number:** L2427928

**Report Date:** 05/28/24

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1925297-2 | | | | | | | | |
| Aluminum, Total | 110 | | - | | 80-120 | - | | |
| Antimony, Total | 104 | | - | | 80-120 | - | | |
| Arsenic, Total | 106 | | - | | 80-120 | - | | |
| Barium, Total | 112 | | - | | 80-120 | - | | |
| Beryllium, Total | 114 | | - | | 80-120 | - | | |
| Cadmium, Total | 98 | | - | | 80-120 | - | | |
| Calcium, Total | 115 | | - | | 80-120 | - | | |
| Chromium, Total | 106 | | - | | 80-120 | - | | |
| Cobalt, Total | 102 | | - | | 80-120 | - | | |
| Copper, Total | 106 | | - | | 80-120 | - | | |
| Iron, Total | 116 | | - | | 80-120 | - | | |
| Lead, Total | 105 | | - | | 80-120 | - | | |
| Magnesium, Total | 102 | | - | | 80-120 | - | | |
| Manganese, Total | 118 | | - | | 80-120 | - | | |
| Nickel, Total | 100 | | - | | 80-120 | - | | |
| Potassium, Total | 120 | | - | | 80-120 | - | | |
| Selenium, Total | 101 | | - | | 80-120 | - | | |
| Silver, Total | 114 | | - | | 80-120 | - | | |
| Sodium, Total | 111 | | - | | 80-120 | - | | |
| Thallium, Total | 99 | | - | | 80-120 | - | | |
| Vanadium, Total | 105 | | - | | 80-120 | - | | |

ATTACHMENT 15

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SCHENECTADY 40 ANCHOR SITE

**Project Number:** 23.3588

**Lab Number:** L2427928

**Report Date:** 05/28/24

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1925297-2 | | | | | |
| Zinc, Total | 102 | - | 80-120 | - | |
| Total Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1925299-2 | | | | | |
| Mercury, Total | 104 | - | 80-120 | - | |

ATTACHMENT 15

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Project Number:** 23.3588

**Lab Number:** L2427928
**Report Date:** 05/28/24

| 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): 01-10 QC Batch ID: WG1925297-3 QC Sample: L2428902-05 Client ID: MS Sample | | | | | | | | | | | | |
| Aluminum, Total | 4520 | 168 | 6220 | **1010** | Q | - | - | | 75-125 | - | | 20 |
| Antimony, Total | ND | 42 | 42.6 | 101 | | - | - | | 75-125 | - | | 20 |
| Arsenic, Total | 3.87 | 10.1 | 12.8 | 88 | | - | - | | 75-125 | - | | 20 |
| Barium, Total | 9.13 | 168 | 192 | 109 | | - | - | | 75-125 | - | | 20 |
| Beryllium, Total | 0.137J | 4.2 | 4.78 | 114 | | - | - | | 75-125 | - | | 20 |
| Cadmium, Total | ND | 4.45 | 4.29 | 96 | | - | - | | 75-125 | - | | 20 |
| Calcium, Total | 236 | 840 | 1160 | 110 | | - | - | | 75-125 | - | | 20 |
| Chromium, Total | 12.0 | 16.8 | 29.5 | 104 | | - | - | | 75-125 | - | | 20 |
| Cobalt, Total | 0.444J | 42 | 43.7 | 104 | | - | - | | 75-125 | - | | 20 |
| Copper, Total | 3.01 | 21 | 25.1 | 105 | | - | - | | 75-125 | - | | 20 |
| Iron, Total | 7320 | 84 | 5600 | **0** | Q | - | - | | 75-125 | - | | 20 |
| Lead, Total | 4.81 | 44.5 | 52.5 | 107 | | - | - | | 75-125 | - | | 20 |
| Magnesium, Total | 220 | 840 | 1110 | 106 | | - | - | | 75-125 | - | | 20 |
| Manganese, Total | 8.82 | 42 | 58.9 | 119 | | - | - | | 75-125 | - | | 20 |
| Nickel, Total | 0.877J | 42 | 42.9 | 102 | | - | - | | 75-125 | - | | 20 |
| Potassium, Total | 323 | 840 | 1400 | **128** | Q | - | - | | 75-125 | - | | 20 |
| Selenium, Total | ND | 10.1 | 9.47 | 94 | | - | - | | 75-125 | - | | 20 |
| Silver, Total | ND | 4.2 | 4.77 | 114 | | - | - | | 75-125 | - | | 20 |
| Sodium, Total | 4.80J | 840 | 893 | 106 | | - | - | | 75-125 | - | | 20 |
| Thallium, Total | ND | 10.1 | 9.45 | 94 | | - | - | | 75-125 | - | | 20 |
| Vanadium, Total | 23.6 | 42 | 63.2 | 94 | | - | - | | 75-125 | - | | 20 |

**ATTACHMENT 15**

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Project Number:** 23.3588

**Lab Number:** L2427928
**Report Date:** 05/28/24

| 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): 01-10 QC Batch ID: WG1925297-3 QC Sample: L2428902-05 Client ID: MS Sample | | | | | | | | | |
| Zinc, Total | 4.41 | 42 | 49.0 | 106 | - | - | 75-125 | - | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1925299-3 QC Sample: L2428902-05 Client ID: MS Sample | | | | | | | | | |
| Mercury, Total | ND | 1.36 | 1.43 | 106 | - | - | 80-120 | - | 20 |

ATTACHMENT 15

# Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Project Number:** 23.3588

***Lab Number:*** L2427928
***Report Date:*** 05/28/24

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1925297-4 QC Sample: L2428902-05 Client ID: DUP Sample | | | | | | |
| Aluminum, Total | 4520 | 4190 | mg/kg | 8 | | 20 |
| Antimony, Total | ND | ND | mg/kg | NC | | 20 |
| Arsenic, Total | 3.87 | 4.68 | mg/kg | 19 | | 20 |
| Barium, Total | 9.13 | 8.44 | mg/kg | 8 | | 20 |
| Beryllium, Total | 0.137J | 0.146J | mg/kg | NC | | 20 |
| Cadmium, Total | ND | ND | mg/kg | NC | | 20 |
| Calcium, Total | 236 | 250 | mg/kg | 6 | | 20 |
| Chromium, Total | 12.0 | 13.3 | mg/kg | 10 | | 20 |
| Cobalt, Total | 0.444J | 0.438J | mg/kg | NC | | 20 |
| Copper, Total | 3.01 | 3.13 | mg/kg | 4 | | 20 |
| Iron, Total | 7320 | 9390 | mg/kg | **25** | Q | 20 |
| Lead, Total | 4.81 | 4.93 | mg/kg | 2 | | 20 |
| Magnesium, Total | 220 | 204 | mg/kg | 8 | | 20 |
| Manganese, Total | 8.82 | 8.82 | mg/kg | 0 | | 20 |
| Nickel, Total | 0.877J | 0.806J | mg/kg | NC | | 20 |
| Potassium, Total | 323 | 300 | mg/kg | 7 | | 20 |
| Selenium, Total | ND | ND | mg/kg | NC | | 20 |
| Silver, Total | ND | ND | mg/kg | NC | | 20 |
| Sodium, Total | 4.80J | 4.06J | mg/kg | NC | | 20 |

ATTACHMENT 15

# Lab Duplicate Analysis

***Batch Quality Control***

**Project Name:** SCHENECTADY 40 ANCHOR SITE

**Project Number:** 23.3588

***Lab Number:*** L2427928

***Report Date:*** 05/28/24

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1925297-4 QC Sample: L2428902-05 Client ID: DUP Sample | | | | | |
| Thallium, Total | ND | ND | mg/kg | NC | 20 |
| Vanadium, Total | 23.6 | 24.6 | mg/kg | 4 | 20 |
| Zinc, Total | 4.41 | 4.53 | mg/kg | 3 | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1925299-4 QC Sample: L2428902-05 Client ID: DUP Sample | | | | | |
| Mercury, Total | ND | ND | mg/kg | NC | 20 |

ATTACHMENT 15

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Project Number:** 23.3588

# Lab Serial Dilution Analysis
**Batch Quality Control**

**Lab Number:** L2427928
**Report Date:** 05/28/24

| Parameter | Native Sample | Serial Dilution | Units | % D | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1925297-6 QC Sample: L2428902-05 Client ID: DUP Sample | | | | | | |
| Aluminum, Total | 4520 | 4470 | mg/kg | 1 | | 20 |
| Calcium, Total | 236 | 245 | mg/kg | 4 | | 20 |
| Iron, Total | 7320 | 7380 | mg/kg | 1 | | 20 |
| Magnesium, Total | 220 | 231 | mg/kg | 5 | | 20 |
| Vanadium, Total | 23.6 | 23.7 | mg/kg | 0 | | 20 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Project Number:** 23.3588
**Lab Number:** L2427928
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-01
Client ID: GP-7_5-7.5
Sample Location: SCHENECTADY, NY
Sample Depth:
Matrix: Soil

Date Collected: 05/20/24 12:50
Date Received: 05/20/24
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 | 93.5 | | % | 0.100 | NA | 1 | - | 05/21/24 14:11 | 121,2540G | ROI |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Project Number:** 23.3588
**Lab Number:** L2427928
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-02
Client ID: GP-8_5-7.5
Sample Location: SCHENECTADY, NY
Sample Depth:
Matrix: Soil

Date Collected: 05/20/24 13:00
Date Received: 05/20/24
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 | - | 05/21/24 14:11 | 121,2540G | ROI |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Project Number:** 23.3588
**Lab Number:** L2427928
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-03
Client ID: GP-9_5-7.5
Sample Location: SCHENECTADY, NY
Sample Depth:
Matrix: Soil

Date Collected: 05/20/24 13:05
Date Received: 05/20/24
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 | 88.9 | | % | 0.100 | NA | 1 | - | 05/21/24 14:11 | 121,2540G | ROI |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Project Number:** 23.3588
**Lab Number:** L2427928
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-04
Client ID: GP-10_2.5-5
Sample Location: SCHENECTADY, NY
Sample Depth:
Matrix: Soil
Date Collected: 05/20/24 13:10
Date Received: 05/20/24
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89.6 | | % | 0.100 | NA | 1 | - | 05/21/24 14:11 | 121,2540G | ROI |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Project Number:** 23.3588
**Lab Number:** L2427928
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-05
Client ID: GP-11_2.5-5
Sample Location: SCHENECTADY, NY
Sample Depth:
Matrix: Soil
Date Collected: 05/20/24 13:15
Date Received: 05/20/24
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 | 92.2 | | % | 0.100 | NA | 1 | - | 05/21/24 14:11 | 121,2540G | ROI |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Project Number:** 23.3588
**Lab Number:** L2427928
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-06
Client ID: GP-12_5-7.5
Sample Location: SCHENECTADY, NY
Sample Depth:
Matrix: Soil

Date Collected: 05/20/24 13:20
Date Received: 05/20/24
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 | 87.9 | | % | 0.100 | NA | 1 | - | 05/21/24 14:11 | 121,2540G | ROI |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Project Number:** 23.3588
**Lab Number:** L2427928
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-07
Client ID: GP-13_5-7.5
Sample Location: SCHENECTADY, NY
Sample Depth:
Matrix: Soil

Date Collected: 05/20/24 13:25
Date Received: 05/20/24
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 81.2 | | % | 0.100 | NA | 1 | - | 05/21/24 14:11 | 121,2540G | ROI |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Project Number:** 23.3588
**Lab Number:** L2427928
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-08
Client ID: GP-14_5-6
Sample Location: SCHENECTADY, NY
Sample Depth:
Matrix: Soil

Date Collected: 05/20/24 13:30
Date Received: 05/20/24
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 | 82.7 | | % | 0.100 | NA | 1 | - | 05/21/24 14:11 | 121,2540G | ROI |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Project Number:** 23.3588
**Lab Number:** L2427928
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-09
Client ID: GP-15_5-7
Sample Location: SCHENECTADY, NY
Sample Depth:
Matrix: Soil

Date Collected: 05/20/24 13:35
Date Received: 05/20/24
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90.8 | | % | 0.100 | NA | 1 | - | 05/21/24 14:11 | 121,2540G | ROI |

**Project Name:** SCHENECTADY 40 ANCHOR SITE
**Project Number:** 23.3588
**Lab Number:** L2427928
**Report Date:** 05/28/24

## SAMPLE RESULTS

Lab ID: L2427928-10
Client ID: GP-16_2.5-5
Sample Location: SCHENECTADY, NY
Sample Depth:
Matrix: Soil

Date Collected: 05/20/24 13:40
Date Received: 05/20/24
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 79.6 | | % | 0.100 | NA | 1 | - | 05/21/24 14:11 | 121,2540G | ROI |

ATTACHMENT 15

# Lab Duplicate Analysis

***Batch Quality Control***

**Project Name:** SCHENECTADY 40 ANCHOR SITE

**Project Number:** 23.3588

***Lab Number:*** L2427928

***Report Date:*** 05/28/24

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1923789-1 QC Sample: L2427964-01 Client ID: DUP Sample | | | | | | |
| Solids, Total | 58.4 | 55.2 | % | 6 | | 20 |

**Project Name:** SCHENECTADY 40 ANCHOR SITE

**Project Number:** 23.3588

ATTACHMENT 15

**Lab Number:** L2427928

**Report Date:** 05/28/24

## 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(*) |
|---|---|---|---|---|---|---|---|---|---|
| L2427928-01A | Plastic 2oz unpreserved for TS | A | NA | | 5.2 | Y | Absent | | TS(7) |
| L2427928-01B | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 5.2 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180) |
| L2427928-01C | Glass 120ml/4oz unpreserved | A | NA | | 5.2 | Y | Absent | | NYCP51-PAH(14) |
| L2427928-02A | Plastic 2oz unpreserved for TS | A | NA | | 5.2 | Y | Absent | | TS(7) |
| L2427928-02B | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 5.2 | Y | Absent | | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180) |
| L2427928-02C | Glass 120ml/4oz unpreserved | A | NA | | 5.2 | Y | Absent | | NYCP51-PAH(14) |
| L2427928-03A | Plastic 2oz unpreserved for TS | A | NA | | 5.2 | Y | Absent | | TS(7) |
| L2427928-03B | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 5.2 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180) |
| L2427928-03C | Glass 120ml/4oz unpreserved | A | NA | | 5.2 | Y | Absent | | NYCP51-PAH(14) |
| L2427928-04A | Plastic 2oz unpreserved for TS | A | NA | | 5.2 | Y | Absent | | TS(7) |
| L2427928-04B | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 5.2 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180) |
| L2427928-04C | Glass 120ml/4oz unpreserved | A | NA | | 5.2 | Y | Absent | | NYCP51-PAH(14) |
| L2427928-05A | Plastic 2oz unpreserved for TS | A | NA | | 5.2 | Y | Absent | | TS(7) |



*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(*) |
|---|---|---|---|---|---|---|---|---|---|
| L2427928-05B | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 5.2 | Y | Absent | | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180) |
| L2427928-05C | Glass 120ml/4oz unpreserved | A | NA | | 5.2 | Y | Absent | | NYCP51-PAH(14) |
| L2427928-06A | Plastic 2oz unpreserved for TS | A | NA | | 5.2 | Y | Absent | | TS(7) |
| L2427928-06B | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 5.2 | Y | Absent | | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CO-TI(180),V-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) |
| L2427928-06C | Glass 120ml/4oz unpreserved | A | NA | | 5.2 | Y | Absent | | NYCP51-PAH(14) |
| L2427928-07A | Plastic 2oz unpreserved for TS | A | NA | | 5.2 | Y | Absent | | TS(7) |
| L2427928-07B | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 5.2 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180) |
| L2427928-07C | Glass 120ml/4oz unpreserved | A | NA | | 5.2 | Y | Absent | | NYCP51-PAH(14) |
| L2427928-08A | Plastic 2oz unpreserved for TS | A | NA | | 5.2 | Y | Absent | | TS(7) |
| L2427928-08B | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 5.2 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180) |
| L2427928-08C | Glass 120ml/4oz unpreserved | A | NA | | 5.2 | Y | Absent | | NYCP51-PAH(14) |
| L2427928-09A | Plastic 2oz unpreserved for TS | A | NA | | 5.2 | Y | Absent | | TS(7) |
| L2427928-09B | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 5.2 | Y | Absent | | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180) |
| L2427928-09C | Glass 120ml/4oz unpreserved | A | NA | | 5.2 | Y | Absent | | NYCP51-PAH(14) |
| L2427928-10A | Plastic 2oz unpreserved for TS | A | NA | | 5.2 | Y | Absent | | TS(7) |



*Values in parentheses indicate holding time in days

**Project Name:** SCHENECTADY 40 ANCHOR SITE

**Project Number:** 23.3588

**ATTACHMENT 15**

**Lab Number:** L2427928

**Report Date:** 05/28/24

***Container Information***

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L2427928-10B | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 5.2 | Y | Absent | | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180) |
| L2427928-10C | Glass 120ml/4oz unpreserved | A | NA | | 5.2 | Y | Absent | | NYCP51-PAH(14) |



*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | SCHENECTADY 40 ANCHOR SITE | **Lab Number:** | L2427928 |
| **Project Number:** | 23.3588 | **Report Date:** | 05/28/24 |

## 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.)<br><br>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:** | L2427928 |
| **Project Number:** | 23.3588 | **Report Date:** | 05/28/24 |

***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:** | L2427928 |
| **Project Number:** | 23.3588 | **Report Date:** | 05/28/24 |

***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:** | L2427928 |
| **Project Number:** | 23.3588 | **Report Date:** | 05/28/24 |

## 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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
**EPA 8270E:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; 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.
**Nonpotable Water: EPA RSK-175 Dissolved Gases**
**Biological Tissue Matrix:** EPA 3050B

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

**Westborough Facility:**

***Drinking Water***
**EPA 300.0**: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
**EPA 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, 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 15

# 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: 5/21/24

ALPHA Job #: L2427928

## Client Information

Client: CT 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:**

Total solids bottle included in total count

**Please specify Metals or TAL.**

## ANALYSIS

CP-51 SVOCs 8270 | TAL Metals

**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 | CP-51 SVOCs 8270 | TAL Metals | Sample Specific Comments | Total Bottle |
|---|---|---|---|---|---|---|---|---|---|
| 27928-01 | GP-7_5-7.5 | 5/20/24 | 1250 | Soil | AR | X | X | | 3 |
| -02 | GP-8_5-7.5 | | 1300 | | | X | X | | 3 |
| -03 | GP-9_5-7.5 | | 1305 | | | X | X | | 3 |
| -04 | GP-10_2.5-5 | | 1310 | | | X | X | | 3 |
| -05 | GP-11_2.5-5 | | 1315 | | | X | X | | 3 |
| -06 | GP-12_5-7.5 | | 1320 | | | X | X | | 3 |
| -07 | GP-13_5-7.5 | | 1325 | | | X | X | | 3 |
| -08 | GP-14_5-6 | | 1330 | | | X | X | | 3 |
| -09 | GP-15_5-7 | | 1335 | | | X | X | | 3 |
| -10 | GP-16_2.5-5 | | 1340 | | | X | X | | 3 |

Container Type: A A
Preservative: A A

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

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

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

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 5/20/24 1500 | FEDEX | 5/20/24 1500 |
| FEDEX | 5/20/24 1610 | | 5/21/24 200 |

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 F

## Laboratory Analysis Report for Soil from Test Pits

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L2450528 |
| Client: | C.T. Male Associates<br>50 Century Hill Drive<br>Latham, NY 12110 |
| ATTN: | Aimee Smith |
| Phone: | (518) 786-7400 |
| Project Name: | SCHENECTADY 40 ANCHOR |
| Project Number: | 23.3588 |
| Report Date: | 09/12/24 |



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), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

**ATTACHMENT 15**

**Project Name:** SCHENECTADY 40 ANCHOR
**Project Number:** 23.3588

**Lab Number:** L2450528
**Report Date:** 09/12/24

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|---|---|---|---|---|---|
| L2450528-01 | TP-1 | SOIL | SCHENECTADY, NY | 09/05/24 11:05 | 09/05/24 |
| L2450528-02 | TP-2 | SOIL | SCHENECTADY, NY | 09/05/24 11:10 | 09/05/24 |
| L2450528-03 | TP-3 | SOIL | SCHENECTADY, NY | 09/05/24 11:15 | 09/05/24 |

| | | | |
|---|---|---|---|
| **Project Name:** | SCHENECTADY 40 ANCHOR | **Lab Number:** | L2450528 |
| **Project Number:** | 23.3588 | **Report Date:** | 09/12/24 |

## 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 and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet 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 **Lab Number:** L2450528
**Project Number:** 23.3588 **Report Date:** 09/12/24

**Case Narrative (continued)**

Report Submission

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

Volatile Organics

L2450528-03: The surrogate recovery is outside the acceptance criteria for 1,2-dichloroethane-d4 (134%) and 4-bromofluorobenzene (486%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

The WG1970749-5 Method Blank, associated with L2450528-03, has a concentration above the reporting limit for bromomethane. 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".

Total Metals

L2450528-01 through -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

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

Authorized Signature: Caitlin Walukevich

Title: Technical Director/Representative Date: 09/12/24

# ORGANICS

# VOLATILES

**Project Name:** SCHENECTADY 40 ANCHOR **Lab Number:** L2450528

**Project Number:** 23.3588 **Report Date:** 09/12/24

## SAMPLE RESULTS

Lab ID: L2450528-01
Client ID: TP-1
Sample Location: SCHENECTADY, NY

Date Collected: 09/05/24 11:05
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/10/24 17:52
Analyst: JIC
Percent Solids: 74%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 6.6 | 3.0 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.3 | 0.19 | 1 |
| Chloroform | ND | | ug/kg | 2.0 | 0.18 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.3 | 0.30 | 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 | 0.35 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.66 | 0.26 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.66 | 0.17 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 5.3 | 0.92 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.3 | 0.34 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.66 | 0.22 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.66 | 0.14 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.3 | 0.36 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.66 | 0.21 | 1 |
| Bromoform | ND | | ug/kg | 5.3 | 0.33 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.66 | 0.22 | 1 |
| Benzene | ND | | ug/kg | 0.66 | 0.22 | 1 |
| Toluene | ND | | ug/kg | 1.3 | 0.72 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.3 | 0.19 | 1 |
| Chloromethane | ND | | ug/kg | 5.3 | 1.2 | 1 |
| Bromomethane | ND | | ug/kg | 2.6 | 0.77 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.3 | 0.44 | 1 |
| Chloroethane | ND | | ug/kg | 2.6 | 0.60 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.3 | 0.32 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.0 | 0.18 | 1 |
| Trichloroethene | ND | | ug/kg | 0.66 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.6 | 0.19 | 1 |

**Project Name:** SCHENECTADY 40 ANCHOR **Lab Number:** L2450528

**Project Number:** 23.3588 **Report Date:** 09/12/24

## SAMPLE RESULTS

Lab ID: L2450528-01 Date Collected: 09/05/24 11:05
Client ID: TP-1 Date Received: 09/05/24
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 | 0.20 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.6 | 0.23 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.6 | 0.27 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.6 | 0.74 | 1 |
| o-Xylene | ND | | ug/kg | 1.3 | 0.38 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.3 | 0.23 | 1 |
| Styrene | ND | | ug/kg | 1.3 | 0.26 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 13 | 1.2 | 1 |
| Acetone | 17 | | ug/kg | 13 | 6.4 | 1 |
| Carbon disulfide | ND | | ug/kg | 13 | 6.0 | 1 |
| 2-Butanone | ND | | ug/kg | 13 | 2.9 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 13 | 1.7 | 1 |
| 2-Hexanone | ND | | ug/kg | 13 | 1.6 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.3 | 0.37 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.3 | 0.22 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.3 | 0.19 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.6 | 0.16 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 4.0 | 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 | 5.3 | 0.86 | 1 |
| n-Propylbenzene | ND | | ug/kg | 1.3 | 0.23 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.6 | 0.36 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.6 | 0.26 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.6 | 0.44 | 1 |
| Methyl Acetate | ND | | ug/kg | 5.3 | 1.2 | 1 |
| Cyclohexane | ND | | ug/kg | 13 | 0.72 | 1 |
| Freon-113 | ND | | ug/kg | 5.3 | 0.92 | 1 |
| Methyl cyclohexane | ND | | ug/kg | 5.3 | 0.80 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 96 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 95 | | 70-130 |
| Dibromofluoromethane | 93 | | 70-130 |

**Project Name:** SCHENECTADY 40 ANCHOR **Lab Number:** L2450528

**Project Number:** 23.3588 **Report Date:** 09/12/24

## SAMPLE RESULTS

Lab ID: L2450528-02
Client ID: TP-2
Sample Location: SCHENECTADY, NY

Date Collected: 09/05/24 11:10
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/10/24 18:18
Analyst: JIC
Percent Solids: 76%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 5.7 | 2.6 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Chloroform | ND | | ug/kg | 1.7 | 0.16 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.1 | 0.26 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.1 | 0.14 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.1 | 0.16 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.1 | 0.30 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.57 | 0.22 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.57 | 0.14 | 1 |
| Trichlorofluoromethane | 2.4 | J | ug/kg | 4.6 | 0.79 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.1 | 0.29 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.57 | 0.19 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.57 | 0.12 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.1 | 0.31 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.57 | 0.18 | 1 |
| Bromoform | ND | | ug/kg | 4.6 | 0.28 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.57 | 0.19 | 1 |
| Benzene | ND | | ug/kg | 0.57 | 0.19 | 1 |
| Toluene | ND | | ug/kg | 1.1 | 0.62 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Chloromethane | ND | | ug/kg | 4.6 | 1.1 | 1 |
| Bromomethane | ND | | ug/kg | 2.3 | 0.66 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.1 | 0.38 | 1 |
| Chloroethane | ND | | ug/kg | 2.3 | 0.52 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.1 | 0.27 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.7 | 0.16 | 1 |
| Trichloroethene | ND | | ug/kg | 0.57 | 0.16 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.3 | 0.16 | 1 |

**Project Name:** SCHENECTADY 40 ANCHOR **Lab Number:** L2450528

**Project Number:** 23.3588 **Report Date:** 09/12/24

## SAMPLE RESULTS

Lab ID: L2450528-02 Date Collected: 09/05/24 11:10
Client ID: TP-2 Date Received: 09/05/24
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 | 2.3 | 0.17 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.3 | 0.19 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.3 | 0.23 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.3 | 0.64 | 1 |
| o-Xylene | ND | | ug/kg | 1.1 | 0.33 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.1 | 0.20 | 1 |
| Styrene | ND | | ug/kg | 1.1 | 0.22 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 11 | 1.0 | 1 |
| Acetone | 15 | | ug/kg | 11 | 5.5 | 1 |
| Carbon disulfide | ND | | ug/kg | 11 | 5.2 | 1 |
| 2-Butanone | ND | | ug/kg | 11 | 2.5 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 11 | 1.4 | 1 |
| 2-Hexanone | ND | | ug/kg | 11 | 1.3 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.1 | 0.32 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.1 | 0.19 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.1 | 0.17 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.3 | 0.13 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.4 | 1.1 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.1 | 0.12 | 1 |
| p-Isopropyltoluene | 0.23 | J | ug/kg | 1.1 | 0.12 | 1 |
| Naphthalene | 1.4 | J | ug/kg | 4.6 | 0.74 | 1 |
| n-Propylbenzene | ND | | ug/kg | 1.1 | 0.19 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.3 | 0.31 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.3 | 0.22 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.3 | 0.38 | 1 |
| Methyl Acetate | ND | | ug/kg | 4.6 | 1.1 | 1 |
| Cyclohexane | ND | | ug/kg | 11 | 0.62 | 1 |
| Freon-113 | ND | | ug/kg | 4.6 | 0.79 | 1 |
| Methyl cyclohexane | 0.74 | J | ug/kg | 4.6 | 0.69 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 93 | | 70-130 |
| Toluene-d8 | 102 | | 70-130 |
| 4-Bromofluorobenzene | 96 | | 70-130 |
| Dibromofluoromethane | 94 | | 70-130 |

**Project Name:** SCHENECTADY 40 ANCHOR **Lab Number:** L2450528

**Project Number:** 23.3588 **Report Date:** 09/12/24

## SAMPLE RESULTS

Lab ID: L2450528-03
Client ID: TP-3
Sample Location: SCHENECTADY, NY

Date Collected: 09/05/24 11:15
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/12/24 02:01
Analyst: JIC
Percent Solids: 80%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 5.3 | 2.4 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.15 | 1 |
| Chloroform | ND | | ug/kg | 1.6 | 0.15 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.24 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.13 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.28 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.53 | 0.21 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.53 | 0.13 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.2 | 0.73 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.27 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.53 | 0.18 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.53 | 0.12 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.29 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.53 | 0.17 | 1 |
| Bromoform | ND | | ug/kg | 4.2 | 0.26 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.53 | 0.18 | 1 |
| Benzene | ND | | ug/kg | 0.53 | 0.18 | 1 |
| Toluene | ND | | ug/kg | 1.0 | 0.57 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.15 | 1 |
| Chloromethane | ND | | ug/kg | 4.2 | 0.98 | 1 |
| Bromomethane | ND | | ug/kg | 2.1 | 0.61 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.35 | 1 |
| Chloroethane | ND | | ug/kg | 2.1 | 0.48 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.25 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.6 | 0.14 | 1 |
| Trichloroethene | ND | | ug/kg | 0.53 | 0.14 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.1 | 0.15 | 1 |

**Project Name:** SCHENECTADY 40 ANCHOR **Lab Number:** L2450528

**Project Number:** 23.3588 **Report Date:** 09/12/24

## SAMPLE RESULTS

Lab ID: L2450528-03 Date Collected: 09/05/24 11:15
Client ID: TP-3 Date Received: 09/05/24
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 | 2.1 | 0.16 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.1 | 0.18 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.1 | 0.21 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.1 | 0.59 | 1 |
| o-Xylene | 0.61 | J | ug/kg | 1.0 | 0.31 | 1 |
| cis-1,2-Dichloroethene | 0.27 | J | ug/kg | 1.0 | 0.18 | 1 |
| Styrene | ND | | ug/kg | 1.0 | 0.21 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.97 | 1 |
| Acetone | 85 | | ug/kg | 10 | 5.1 | 1 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.8 | 1 |
| 2-Butanone | 13 | | ug/kg | 10 | 2.3 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.4 | 1 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.30 | 1 |
| n-Butylbenzene | 86 | | ug/kg | 1.0 | 0.18 | 1 |
| sec-Butylbenzene | 110 | | ug/kg | 1.0 | 0.15 | 1 |
| tert-Butylbenzene | 6.2 | | ug/kg | 2.1 | 0.12 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.2 | 1.0 | 1 |
| Isopropylbenzene | 8.7 | | ug/kg | 1.0 | 0.12 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.12 | 1 |
| Naphthalene | 4.2 | | ug/kg | 4.2 | 0.69 | 1 |
| n-Propylbenzene | 11 | | ug/kg | 1.0 | 0.18 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.1 | 0.29 | 1 |
| 1,3,5-Trimethylbenzene | 0.70 | J | ug/kg | 2.1 | 0.20 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.1 | 0.35 | 1 |
| Methyl Acetate | 1.7 | J | ug/kg | 4.2 | 1.0 | 1 |
| Cyclohexane | ND | | ug/kg | 10 | 0.58 | 1 |
| Freon-113 | ND | | ug/kg | 4.2 | 0.73 | 1 |
| Methyl cyclohexane | 3.8 | J | ug/kg | 4.2 | 0.64 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | **134** | Q | 70-130 |
| Toluene-d8 | 96 | | 70-130 |
| 4-Bromofluorobenzene | **486** | Q | 70-130 |
| Dibromofluoromethane | 123 | | 70-130 |

**Project Name:** SCHENECTADY 40 ANCHOR **Lab Number:** L2450528

**Project Number:** 23.3588 **Report Date:** 09/12/24

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/10/24 10:02
Analyst: AJK

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1969787-5 | | | | | |
| Methylene chloride | ND | | ug/kg | 5.0 | 2.3 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.14 |
| Chloroform | ND | | ug/kg | 1.5 | 0.14 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.23 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.12 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.14 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.27 |
| Tetrachloroethene | ND | | ug/kg | 0.50 | 0.20 |
| Chlorobenzene | ND | | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane | ND | | ug/kg | 4.0 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.26 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane | ND | | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.27 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| Bromoform | ND | | ug/kg | 4.0 | 0.25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Benzene | ND | | ug/kg | 0.50 | 0.17 |
| Toluene | ND | | ug/kg | 1.0 | 0.54 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.14 |
| Chloromethane | ND | | ug/kg | 4.0 | 0.93 |
| Bromomethane | ND | | ug/kg | 2.0 | 0.58 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.34 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.45 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.24 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.14 |
| Trichloroethene | ND | | ug/kg | 0.50 | 0.14 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.14 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.15 |

**Project Name:** SCHENECTADY 40 ANCHOR **Lab Number:** L2450528

**Project Number:** 23.3588 **Report Date:** 09/12/24

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/10/24 10:02
Analyst: AJK

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1969787-5 | | | | | |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.17 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.20 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.56 |
| o-Xylene | ND | | ug/kg | 1.0 | 0.29 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.18 |
| Styrene | ND | | ug/kg | 1.0 | 0.20 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.92 |
| Acetone | ND | | ug/kg | 10 | 4.8 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.6 |
| 2-Butanone | ND | | ug/kg | 10 | 2.2 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.3 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.28 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.15 |
| tert-Butylbenzene | ND | | ug/kg | 2.0 | 0.12 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.0 | 1.0 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.11 |
| Naphthalene | ND | | ug/kg | 4.0 | 0.65 |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.33 |
| Methyl Acetate | ND | | ug/kg | 4.0 | 0.95 |
| Cyclohexane | ND | | ug/kg | 10 | 0.54 |
| Freon-113 | ND | | ug/kg | 4.0 | 0.69 |
| Methyl cyclohexane | ND | | ug/kg | 4.0 | 0.60 |

**Project Name:** SCHENECTADY 40 ANCHOR
**Project Number:** 23.3588
**Lab Number:** L2450528
**Report Date:** 09/12/24

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/10/24 10:02
Analyst: AJK

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1969787-5 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 93 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 95 | | 70-130 |
| Dibromofluoromethane | 90 | | 70-130 |

**Project Name:** SCHENECTADY 40 ANCHOR **Lab Number:** L2450528

**Project Number:** 23.3588 **Report Date:** 09/12/24

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/11/24 22:47
Analyst: RAW

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1970749-5 | | | | | |
| 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 | 2.8 | | 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 **Lab Number:** L2450528

**Project Number:** 23.3588 **Report Date:** 09/12/24

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/11/24 22:47
Analyst: RAW

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1970749-5 | | | | | |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.17 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.20 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.56 |
| o-Xylene | ND | | ug/kg | 1.0 | 0.29 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.18 |
| Styrene | ND | | ug/kg | 1.0 | 0.20 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.92 |
| Acetone | ND | | ug/kg | 10 | 4.8 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.6 |
| 2-Butanone | ND | | ug/kg | 10 | 2.2 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.3 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.28 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.15 |
| tert-Butylbenzene | ND | | ug/kg | 2.0 | 0.12 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.0 | 1.0 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.11 |
| Naphthalene | ND | | ug/kg | 4.0 | 0.65 |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.33 |
| Methyl Acetate | ND | | ug/kg | 4.0 | 0.95 |
| Cyclohexane | ND | | ug/kg | 10 | 0.54 |
| Freon-113 | ND | | ug/kg | 4.0 | 0.69 |
| Methyl cyclohexane | ND | | ug/kg | 4.0 | 0.60 |

**Project Name:** SCHENECTADY 40 ANCHOR **Lab Number:** L2450528

**Project Number:** 23.3588 **Report Date:** 09/12/24

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/11/24 22:47
Analyst: RAW

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1970749-5 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 107 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 103 | | 70-130 |
| Dibromofluoromethane | 96 | | 70-130 |

ATTACHMENT 15

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SCHENECTADY 40 ANCHOR

**Project Number:** 23.3588

**Lab Number:** L2450528

**Report Date:** 09/12/24

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1969787-3 WG1969787-4 | | | | | | | | |
| Methylene chloride | 83 | | 81 | | 70-130 | 2 | | 30 |
| 1,1-Dichloroethane | 85 | | 83 | | 70-130 | 2 | | 30 |
| Chloroform | 84 | | 82 | | 70-130 | 2 | | 30 |
| Carbon tetrachloride | 88 | | 86 | | 70-130 | 2 | | 30 |
| 1,2-Dichloropropane | 82 | | 82 | | 70-130 | 0 | | 30 |
| Dibromochloromethane | 87 | | 88 | | 70-130 | 1 | | 30 |
| 1,1,2-Trichloroethane | 87 | | 89 | | 70-130 | 2 | | 30 |
| Tetrachloroethene | 109 | | 108 | | 70-130 | 1 | | 30 |
| Chlorobenzene | 98 | | 97 | | 70-130 | 1 | | 30 |
| Trichlorofluoromethane | 94 | | 92 | | 70-139 | 2 | | 30 |
| 1,2-Dichloroethane | 79 | | 79 | | 70-130 | 0 | | 30 |
| 1,1,1-Trichloroethane | 89 | | 87 | | 70-130 | 2 | | 30 |
| Bromodichloromethane | 81 | | 81 | | 70-130 | 0 | | 30 |
| trans-1,3-Dichloropropene | 99 | | 99 | | 70-130 | 0 | | 30 |
| cis-1,3-Dichloropropene | 92 | | 92 | | 70-130 | 0 | | 30 |
| Bromoform | 84 | | 89 | | 70-130 | 6 | | 30 |
| 1,1,2,2-Tetrachloroethane | 91 | | 94 | | 70-130 | 3 | | 30 |
| Benzene | 87 | | 86 | | 70-130 | 1 | | 30 |
| Toluene | 96 | | 95 | | 70-130 | 1 | | 30 |
| Ethylbenzene | 98 | | 97 | | 70-130 | 1 | | 30 |
| Chloromethane | 83 | | 78 | | 52-130 | 6 | | 30 |
| Bromomethane | 115 | | 103 | | 57-147 | 11 | | 30 |
| Vinyl chloride | 88 | | 83 | | 67-130 | 6 | | 30 |

ATTACHMENT 15

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SCHENECTADY 40 ANCHOR

**Project Number:** 23.3588

**Lab Number:** L2450528

**Report Date:** 09/12/24

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1969787-3 WG1969787-4 | | | | | | | | |
| Chloroethane | 92 | | 85 | | 50-151 | 8 | | 30 |
| 1,1-Dichloroethene | 95 | | 90 | | 65-135 | 5 | | 30 |
| trans-1,2-Dichloroethene | 94 | | 90 | | 70-130 | 4 | | 30 |
| Trichloroethene | 88 | | 87 | | 70-130 | 1 | | 30 |
| 1,2-Dichlorobenzene | 100 | | 100 | | 70-130 | 0 | | 30 |
| 1,3-Dichlorobenzene | 105 | | 104 | | 70-130 | 1 | | 30 |
| 1,4-Dichlorobenzene | 104 | | 103 | | 70-130 | 1 | | 30 |
| Methyl tert butyl ether | 82 | | 83 | | 66-130 | 1 | | 30 |
| p/m-Xylene | 101 | | 99 | | 70-130 | 2 | | 30 |
| o-Xylene | 98 | | 96 | | 70-130 | 2 | | 30 |
| cis-1,2-Dichloroethene | 89 | | 85 | | 70-130 | 5 | | 30 |
| Styrene | 98 | | 97 | | 70-130 | 1 | | 30 |
| Dichlorodifluoromethane | 84 | | 80 | | 30-146 | 5 | | 30 |
| Acetone | 64 | | 65 | | 54-140 | 2 | | 30 |
| Carbon disulfide | 85 | | 82 | | 59-130 | 4 | | 30 |
| 2-Butanone | **64** | Q | 74 | | 70-130 | 14 | | 30 |
| 4-Methyl-2-pentanone | 84 | | 89 | | 70-130 | 6 | | 30 |
| 2-Hexanone | 79 | | 83 | | 70-130 | 5 | | 30 |
| 1,2-Dibromoethane | 95 | | 97 | | 70-130 | 2 | | 30 |
| n-Butylbenzene | 108 | | 107 | | 70-130 | 1 | | 30 |
| sec-Butylbenzene | 102 | | 101 | | 70-130 | 1 | | 30 |
| tert-Butylbenzene | 100 | | 100 | | 70-130 | 0 | | 30 |
| 1,2-Dibromo-3-chloropropane | 90 | | 95 | | 68-130 | 5 | | 30 |

ATTACHMENT 15

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SCHENECTADY 40 ANCHOR

**Project Number:** 23.3588

**Lab Number:** L2450528

**Report Date:** 09/12/24

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1969787-3 WG1969787-4 | | | | | | | | |
| Isopropylbenzene | 102 | | 101 | | 70-130 | 1 | | 30 |
| p-Isopropyltoluene | 106 | | 105 | | 70-130 | 1 | | 30 |
| Naphthalene | 105 | | 108 | | 70-130 | 3 | | 30 |
| n-Propylbenzene | 104 | | 103 | | 70-130 | 1 | | 30 |
| 1,2,4-Trichlorobenzene | 119 | | 120 | | 70-130 | 1 | | 30 |
| 1,3,5-Trimethylbenzene | 101 | | 100 | | 70-130 | 1 | | 30 |
| 1,2,4-Trimethylbenzene | 102 | | 100 | | 70-130 | 2 | | 30 |
| Methyl Acetate | 75 | | 76 | | 51-146 | 1 | | 30 |
| Cyclohexane | 86 | | 84 | | 59-142 | 2 | | 30 |
| Freon-113 | 97 | | 94 | | 50-139 | 3 | | 30 |
| Methyl cyclohexane | 90 | | 89 | | 70-130 | 1 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 86 | | 88 | | 70-130 |
| Toluene-d8 | 103 | | 102 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 98 | | 70-130 |
| Dibromofluoromethane | 89 | | 90 | | 70-130 |

ATTACHMENT 15

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SCHENECTADY 40 ANCHOR

**Project Number:** 23.3588

**Lab Number:** L2450528

**Report Date:** 09/12/24

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1970749-3 WG1970749-4 | | | | | | | | |
| Methylene chloride | 84 | | 84 | | 70-130 | 0 | | 30 |
| 1,1-Dichloroethane | 96 | | 96 | | 70-130 | 0 | | 30 |
| Chloroform | 93 | | 94 | | 70-130 | 1 | | 30 |
| Carbon tetrachloride | 96 | | 97 | | 70-130 | 1 | | 30 |
| 1,2-Dichloropropane | 95 | | 98 | | 70-130 | 3 | | 30 |
| Dibromochloromethane | 86 | | 88 | | 70-130 | 2 | | 30 |
| 1,1,2-Trichloroethane | 98 | | 100 | | 70-130 | 2 | | 30 |
| Tetrachloroethene | 95 | | 96 | | 70-130 | 1 | | 30 |
| Chlorobenzene | 93 | | 94 | | 70-130 | 1 | | 30 |
| Trichlorofluoromethane | 105 | | 101 | | 70-139 | 4 | | 30 |
| 1,2-Dichloroethane | 96 | | 98 | | 70-130 | 2 | | 30 |
| 1,1,1-Trichloroethane | 94 | | 95 | | 70-130 | 1 | | 30 |
| Bromodichloromethane | 87 | | 89 | | 70-130 | 2 | | 30 |
| trans-1,3-Dichloropropene | 101 | | 102 | | 70-130 | 1 | | 30 |
| cis-1,3-Dichloropropene | 94 | | 96 | | 70-130 | 2 | | 30 |
| Bromoform | 82 | | 81 | | 70-130 | 1 | | 30 |
| 1,1,2,2-Tetrachloroethane | 99 | | 100 | | 70-130 | 1 | | 30 |
| Benzene | 94 | | 94 | | 70-130 | 0 | | 30 |
| Toluene | 98 | | 98 | | 70-130 | 0 | | 30 |
| Ethylbenzene | 100 | | 100 | | 70-130 | 0 | | 30 |
| Chloromethane | 99 | | 96 | | 52-130 | 3 | | 30 |
| Bromomethane | 91 | | 86 | | 57-147 | 6 | | 30 |
| Vinyl chloride | 106 | | 102 | | 67-130 | 4 | | 30 |

ATTACHMENT 15

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SCHENECTADY 40 ANCHOR

**Project Number:** 23.3588

**Lab Number:** L2450528

**Report Date:** 09/12/24

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1970749-3 WG1970749-4 | | | | | | | | |
| Chloroethane | 108 | | 105 | | 50-151 | 3 | | 30 |
| 1,1-Dichloroethene | 93 | | 91 | | 65-135 | 2 | | 30 |
| trans-1,2-Dichloroethene | 95 | | 96 | | 70-130 | 1 | | 30 |
| Trichloroethene | 95 | | 97 | | 70-130 | 2 | | 30 |
| 1,2-Dichlorobenzene | 95 | | 94 | | 70-130 | 1 | | 30 |
| 1,3-Dichlorobenzene | 99 | | 97 | | 70-130 | 2 | | 30 |
| 1,4-Dichlorobenzene | 95 | | 95 | | 70-130 | 0 | | 30 |
| Methyl tert butyl ether | 85 | | 98 | | 66-130 | 14 | | 30 |
| p/m-Xylene | 97 | | 97 | | 70-130 | 0 | | 30 |
| o-Xylene | 94 | | 94 | | 70-130 | 0 | | 30 |
| cis-1,2-Dichloroethene | 89 | | 90 | | 70-130 | 1 | | 30 |
| Styrene | 95 | | 95 | | 70-130 | 0 | | 30 |
| Dichlorodifluoromethane | 101 | | 97 | | 30-146 | 4 | | 30 |
| Acetone | 110 | | 107 | | 54-140 | 3 | | 30 |
| Carbon disulfide | 92 | | 89 | | 59-130 | 3 | | 30 |
| 2-Butanone | 101 | | 103 | | 70-130 | 2 | | 30 |
| 4-Methyl-2-pentanone | 99 | | 100 | | 70-130 | 1 | | 30 |
| 2-Hexanone | 96 | | 99 | | 70-130 | 3 | | 30 |
| 1,2-Dibromoethane | 94 | | 95 | | 70-130 | 1 | | 30 |
| n-Butylbenzene | 108 | | 106 | | 70-130 | 2 | | 30 |
| sec-Butylbenzene | 104 | | 102 | | 70-130 | 2 | | 30 |
| tert-Butylbenzene | 100 | | 99 | | 70-130 | 1 | | 30 |
| 1,2-Dibromo-3-chloropropane | 85 | | 87 | | 68-130 | 2 | | 30 |

ATTACHMENT 15

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SCHENECTADY 40 ANCHOR

**Project Number:** 23.3588

**Lab Number:** L2450528

**Report Date:** 09/12/24

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1970749-3 WG1970749-4 | | | | | | | | |
| Isopropylbenzene | 101 | | 102 | | 70-130 | 1 | | 30 |
| p-Isopropyltoluene | 102 | | 99 | | 70-130 | 3 | | 30 |
| Naphthalene | 94 | | 93 | | 70-130 | 1 | | 30 |
| n-Propylbenzene | 104 | | 103 | | 70-130 | 1 | | 30 |
| 1,2,4-Trichlorobenzene | 91 | | 91 | | 70-130 | 0 | | 30 |
| 1,3,5-Trimethylbenzene | 100 | | 99 | | 70-130 | 1 | | 30 |
| 1,2,4-Trimethylbenzene | 100 | | 99 | | 70-130 | 1 | | 30 |
| Methyl Acetate | 112 | | 115 | | 51-146 | 3 | | 30 |
| Cyclohexane | 107 | | 106 | | 59-142 | 1 | | 30 |
| Freon-113 | 98 | | 96 | | 50-139 | 2 | | 30 |
| Methyl cyclohexane | 94 | | 95 | | 70-130 | 1 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | | 102 | | 70-130 |
| Toluene-d8 | 100 | | 100 | | 70-130 |
| 4-Bromofluorobenzene | 103 | | 99 | | 70-130 |
| Dibromofluoromethane | 93 | | 92 | | 70-130 |

# SEMIVOLATILES

**Project Name:** SCHENECTADY 40 ANCHOR **Lab Number:** L2450528

**Project Number:** 23.3588 **Report Date:** 09/12/24

## SAMPLE RESULTS

Lab ID: L2450528-01
Client ID: TP-1
Sample Location: SCHENECTADY, NY

Date Collected: 09/05/24 11:05
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/11/24 14:39
Analyst: EK
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 09/10/24 06:44

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 180 | 23. | 1 |
| Fluoranthene | 220 | | ug/kg | 130 | 25. | 1 |
| Benzo(a)anthracene | 120 | J | ug/kg | 130 | 25. | 1 |
| Benzo(a)pyrene | 120 | J | ug/kg | 180 | 53. | 1 |
| Benzo(b)fluoranthene | 170 | | ug/kg | 130 | 37. | 1 |
| Benzo(k)fluoranthene | 48 | J | ug/kg | 130 | 35. | 1 |
| Chrysene | 130 | | ug/kg | 130 | 23. | 1 |
| Acenaphthylene | ND | | ug/kg | 180 | 34. | 1 |
| Anthracene | ND | | ug/kg | 130 | 43. | 1 |
| Benzo(ghi)perylene | 91 | J | ug/kg | 180 | 26. | 1 |
| Fluorene | ND | | ug/kg | 220 | 21. | 1 |
| Phenanthrene | 100 | J | ug/kg | 130 | 27. | 1 |
| Dibenzo(a,h)anthracene | 26 | J | ug/kg | 130 | 25. | 1 |
| Indeno(1,2,3-cd)pyrene | 73 | J | ug/kg | 180 | 30. | 1 |
| Pyrene | 180 | | ug/kg | 130 | 22. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Nitrobenzene-d5 | 55 | | 23-120 |
| 2-Fluorobiphenyl | 70 | | 30-120 |
| 4-Terphenyl-d14 | 59 | | 18-120 |

**Project Name:** SCHENECTADY 40 ANCHOR **Lab Number:** L2450528

**Project Number:** 23.3588 **Report Date:** 09/12/24

## SAMPLE RESULTS

Lab ID: L2450528-02 D
Client ID: TP-2
Sample Location: SCHENECTADY, NY

Date Collected: 09/05/24 11:10
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/11/24 14:57
Analyst: SLR
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 09/10/24 06:44

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 440 | J | ug/kg | 860 | 110 | 5 |
| Fluoranthene | 24000 | | ug/kg | 640 | 120 | 5 |
| Benzo(a)anthracene | 10000 | | ug/kg | 640 | 120 | 5 |
| Benzo(a)pyrene | 9400 | | ug/kg | 860 | 260 | 5 |
| Benzo(b)fluoranthene | 16000 | | ug/kg | 640 | 180 | 5 |
| Benzo(k)fluoranthene | 3200 | | ug/kg | 640 | 170 | 5 |
| Chrysene | 10000 | | ug/kg | 640 | 110 | 5 |
| Acenaphthylene | 4800 | | ug/kg | 860 | 160 | 5 |
| Anthracene | 4200 | | ug/kg | 640 | 210 | 5 |
| Benzo(ghi)perylene | 7000 | | ug/kg | 860 | 130 | 5 |
| Fluorene | 1400 | | ug/kg | 1100 | 100 | 5 |
| Phenanthrene | 21000 | | ug/kg | 640 | 130 | 5 |
| Dibenzo(a,h)anthracene | 1900 | | ug/kg | 640 | 120 | 5 |
| Indeno(1,2,3-cd)pyrene | 5700 | | ug/kg | 860 | 150 | 5 |
| Pyrene | 18000 | | ug/kg | 640 | 110 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Nitrobenzene-d5 | 41 | | 23-120 |
| 2-Fluorobiphenyl | 49 | | 30-120 |
| 4-Terphenyl-d14 | 38 | | 18-120 |

**Project Name:** SCHENECTADY 40 ANCHOR **Lab Number:** L2450528

**Project Number:** 23.3588 **Report Date:** 09/12/24

## SAMPLE RESULTS

Lab ID: L2450528-03
Client ID: TP-3
Sample Location: SCHENECTADY, NY

Date Collected: 09/05/24 11:15
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/11/24 15:15
Analyst: EK
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 09/10/24 06:44

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 120 | J | ug/kg | 170 | 22. | 1 |
| Fluoranthene | 760 | | ug/kg | 120 | 24. | 1 |
| Benzo(a)anthracene | 340 | | ug/kg | 120 | 23. | 1 |
| Benzo(a)pyrene | 200 | | ug/kg | 170 | 51. | 1 |
| Benzo(b)fluoranthene | 300 | | ug/kg | 120 | 35. | 1 |
| Benzo(k)fluoranthene | 81 | J | ug/kg | 120 | 33. | 1 |
| Chrysene | 340 | | ug/kg | 120 | 22. | 1 |
| Acenaphthylene | ND | | ug/kg | 170 | 32. | 1 |
| Anthracene | 120 | | ug/kg | 120 | 40. | 1 |
| Benzo(ghi)perylene | 100 | J | ug/kg | 170 | 24. | 1 |
| Fluorene | 380 | | ug/kg | 210 | 20. | 1 |
| Phenanthrene | 540 | | ug/kg | 120 | 25. | 1 |
| Dibenzo(a,h)anthracene | 37 | J | ug/kg | 120 | 24. | 1 |
| Indeno(1,2,3-cd)pyrene | 77 | J | ug/kg | 170 | 29. | 1 |
| Pyrene | 620 | | ug/kg | 120 | 21. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| Nitrobenzene-d5 | 69 | | 23-120 |
| 2-Fluorobiphenyl | 68 | | 30-120 |
| 4-Terphenyl-d14 | 66 | | 18-120 |

**Project Name:** SCHENECTADY 40 ANCHOR
**Project Number:** 23.3588
**Lab Number:** L2450528
**Report Date:** 09/12/24

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/11/24 01:41
Analyst: SLR

Extraction Method: EPA 3546
Extraction Date: 09/10/24 06:44

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1969533-1 | | | | | |
| Acenaphthene | ND | | ug/kg | 130 | 17. |
| Fluoranthene | ND | | ug/kg | 99 | 19. |
| Benzo(a)anthracene | ND | | ug/kg | 99 | 19. |
| Benzo(a)pyrene | ND | | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene | ND | | ug/kg | 99 | 28. |
| Benzo(k)fluoranthene | ND | | ug/kg | 99 | 26. |
| Chrysene | ND | | ug/kg | 99 | 17. |
| Acenaphthylene | ND | | ug/kg | 130 | 26. |
| Anthracene | ND | | ug/kg | 99 | 32. |
| Benzo(ghi)perylene | ND | | ug/kg | 130 | 19. |
| Fluorene | ND | | ug/kg | 160 | 16. |
| Phenanthrene | ND | | ug/kg | 99 | 20. |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 99 | 19. |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 130 | 23. |
| Pyrene | ND | | ug/kg | 99 | 16. |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 78 | | 25-120 |
| Phenol-d6 | 80 | | 10-120 |
| Nitrobenzene-d5 | 66 | | 23-120 |
| 2-Fluorobiphenyl | 71 | | 30-120 |
| 2,4,6-Tribromophenol | 77 | | 10-136 |
| 4-Terphenyl-d14 | 89 | | 18-120 |

ATTACHMENT 15

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SCHENECTADY 40 ANCHOR

**Project Number:** 23.3588

**Lab Number:** L2450528

**Report Date:** 09/12/24

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1969533-2 WG1969533-3 | | | | | | | | |
| Acenaphthene | 85 | | 76 | | 31-137 | 11 | | 50 |
| Fluoranthene | 90 | | 78 | | 40-140 | 14 | | 50 |
| Benzo(a)anthracene | 89 | | 79 | | 40-140 | 12 | | 50 |
| Benzo(a)pyrene | 93 | | 82 | | 40-140 | 13 | | 50 |
| Benzo(b)fluoranthene | 93 | | 78 | | 40-140 | 18 | | 50 |
| Benzo(k)fluoranthene | 88 | | 81 | | 40-140 | 8 | | 50 |
| Chrysene | 90 | | 80 | | 40-140 | 12 | | 50 |
| Acenaphthylene | 84 | | 71 | | 40-140 | 17 | | 50 |
| Anthracene | 90 | | 78 | | 40-140 | 14 | | 50 |
| Benzo(ghi)perylene | 91 | | 78 | | 40-140 | 15 | | 50 |
| Fluorene | 88 | | 77 | | 40-140 | 13 | | 50 |
| Phenanthrene | 88 | | 76 | | 40-140 | 15 | | 50 |
| Dibenzo(a,h)anthracene | 91 | | 78 | | 40-140 | 15 | | 50 |
| Indeno(1,2,3-cd)pyrene | 92 | | 79 | | 40-140 | 15 | | 50 |
| Pyrene | 90 | | 77 | | 35-142 | 16 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 91 | | 77 | | 25-120 |
| Phenol-d6 | 91 | | 78 | | 10-120 |
| Nitrobenzene-d5 | 82 | | 69 | | 23-120 |
| 2-Fluorobiphenyl | 80 | | 69 | | 30-120 |
| 2,4,6-Tribromophenol | 90 | | 75 | | 10-136 |
| 4-Terphenyl-d14 | 91 | | 81 | | 18-120 |

# METALS

**Project Name:** SCHENECTADY 40 ANCHOR
**Lab Number:** L2450528
**Project Number:** 23.3588
**Report Date:** 09/12/24

## SAMPLE RESULTS

Lab ID: L2450528-01
Client ID: TP-1
Sample Location: SCHENECTADY, NY
Date Collected: 09/05/24 11:05
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 74%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 2790 | | mg/kg | 10.2 | 2.76 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Antimony, Total | ND | | mg/kg | 5.12 | 0.389 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Arsenic, Total | 2.56 | | mg/kg | 1.02 | 0.213 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Barium, Total | 13.1 | | mg/kg | 1.02 | 0.178 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Beryllium, Total | 0.179 | J | mg/kg | 0.512 | 0.034 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Cadmium, Total | ND | | mg/kg | 1.02 | 0.100 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Calcium, Total | 2160 | | mg/kg | 10.2 | 3.58 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Chromium, Total | 5.11 | | mg/kg | 1.02 | 0.098 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Cobalt, Total | 3.28 | | mg/kg | 2.05 | 0.170 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Copper, Total | 7.70 | | mg/kg | 1.02 | 0.264 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Iron, Total | 9870 | | mg/kg | 5.12 | 0.924 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Lead, Total | 3.80 | J | mg/kg | 5.12 | 0.274 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Magnesium, Total | 1160 | | mg/kg | 10.2 | 1.58 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Manganese, Total | 120 | | mg/kg | 1.02 | 0.163 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Mercury, Total | ND | | mg/kg | 0.085 | 0.056 | 1 | 09/10/24 11:00 | 09/11/24 16:17 | EPA 7471B | 1,7471B | JWN |
| Nickel, Total | 6.79 | | mg/kg | 2.56 | 0.248 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Potassium, Total | 290 | | mg/kg | 256 | 14.7 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Selenium, Total | ND | | mg/kg | 2.05 | 0.264 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Silver, Total | ND | | mg/kg | 0.512 | 0.290 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Sodium, Total | 120 | J | mg/kg | 205 | 3.22 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Thallium, Total | ND | | mg/kg | 2.05 | 0.322 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Vanadium, Total | 11.2 | | mg/kg | 1.02 | 0.208 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |
| Zinc, Total | 23.3 | | mg/kg | 5.12 | 0.300 | 2 | 09/10/24 10:30 | 09/11/24 15:19 | EPA 3050B | 1,6010D | DMC |

**Project Name:** SCHENECTADY 40 ANCHOR
**Lab Number:** L2450528
**Project Number:** 23.3588
**Report Date:** 09/12/24

## SAMPLE RESULTS

Lab ID: L2450528-02
Client ID: TP-2
Sample Location: SCHENECTADY, NY
Date Collected: 09/05/24 11:10
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 76%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 3870 | | mg/kg | 10.2 | 2.75 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Antimony, Total | ND | | mg/kg | 5.09 | 0.387 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Arsenic, Total | 3.49 | | mg/kg | 1.02 | 0.212 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Barium, Total | 72.8 | | mg/kg | 1.02 | 0.177 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Beryllium, Total | 0.235 | J | mg/kg | 0.509 | 0.034 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Cadmium, Total | ND | | mg/kg | 1.02 | 0.100 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Calcium, Total | 7510 | | mg/kg | 10.2 | 3.56 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Chromium, Total | 9.06 | | mg/kg | 1.02 | 0.098 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Cobalt, Total | 3.02 | | mg/kg | 2.04 | 0.169 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Copper, Total | 19.3 | | mg/kg | 1.02 | 0.263 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Iron, Total | 9770 | | mg/kg | 5.09 | 0.920 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Lead, Total | 71.9 | | mg/kg | 5.09 | 0.273 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Magnesium, Total | 1690 | | mg/kg | 10.2 | 1.57 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Manganese, Total | 180 | | mg/kg | 1.02 | 0.162 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Mercury, Total | 0.358 | | mg/kg | 0.084 | 0.055 | 1 | 09/10/24 11:00 | 09/11/24 16:20 | EPA 7471B | 1,7471B | JWN |
| Nickel, Total | 6.75 | | mg/kg | 2.55 | 0.246 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Potassium, Total | 292 | | mg/kg | 255 | 14.7 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Selenium, Total | ND | | mg/kg | 2.04 | 0.263 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Silver, Total | ND | | mg/kg | 0.509 | 0.288 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Sodium, Total | 119 | J | mg/kg | 204 | 3.21 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Thallium, Total | ND | | mg/kg | 2.04 | 0.321 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Vanadium, Total | 10.9 | | mg/kg | 1.02 | 0.207 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |
| Zinc, Total | 115 | | mg/kg | 5.09 | 0.298 | 2 | 09/10/24 10:30 | 09/11/24 15:23 | EPA 3050B | 1,6010D | DMC |

**Project Name:** SCHENECTADY 40 ANCHOR
**Lab Number:** L2450528
**Project Number:** 23.3588
**Report Date:** 09/12/24

## SAMPLE RESULTS

Lab ID: L2450528-03
Client ID: TP-3
Sample Location: SCHENECTADY, NY
Date Collected: 09/05/24 11:15
Date Received: 09/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 80%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 4300 | | mg/kg | 9.78 | 2.64 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Antimony, Total | ND | | mg/kg | 4.89 | 0.372 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Arsenic, Total | 2.08 | | mg/kg | 0.978 | 0.204 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Barium, Total | 19.1 | | mg/kg | 0.978 | 0.170 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Beryllium, Total | 0.274 | J | mg/kg | 0.489 | 0.032 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Cadmium, Total | ND | | mg/kg | 0.978 | 0.096 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Calcium, Total | 8550 | | mg/kg | 9.78 | 3.42 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Chromium, Total | 4.89 | | mg/kg | 0.978 | 0.094 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Cobalt, Total | 3.43 | | mg/kg | 1.96 | 0.162 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Copper, Total | 11.4 | | mg/kg | 0.978 | 0.252 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Iron, Total | 10200 | | mg/kg | 4.89 | 0.884 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Lead, Total | 9.10 | | mg/kg | 4.89 | 0.262 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Magnesium, Total | 1570 | | mg/kg | 9.78 | 1.51 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Manganese, Total | 331 | | mg/kg | 0.978 | 0.156 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Mercury, Total | ND | | mg/kg | 0.081 | 0.053 | 1 | 09/10/24 11:00 | 09/11/24 16:23 | EPA 7471B | 1,7471B | JWN |
| Nickel, Total | 7.99 | | mg/kg | 2.45 | 0.237 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Potassium, Total | 339 | | mg/kg | 245 | 14.1 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Selenium, Total | ND | | mg/kg | 1.96 | 0.252 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Silver, Total | ND | | mg/kg | 0.489 | 0.277 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Sodium, Total | 62.8 | J | mg/kg | 196 | 3.08 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Thallium, Total | ND | | mg/kg | 1.96 | 0.308 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Vanadium, Total | 9.78 | | mg/kg | 0.978 | 0.199 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |
| Zinc, Total | 25.9 | | mg/kg | 4.89 | 0.287 | 2 | 09/10/24 10:30 | 09/11/24 16:03 | EPA 3050B | 1,6010D | DMC |

**Project Name:** SCHENECTADY 40 ANCHOR
**Project Number:** 23.3588
**Lab Number:** L2450528
**Report Date:** 09/12/24

# 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): 01-03 Batch: WG1969489-1 | | | | | | | | | | |
| Aluminum, Total | ND | | mg/kg | 4.00 | 1.08 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Antimony, Total | ND | | mg/kg | 2.00 | 0.152 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Arsenic, Total | ND | | mg/kg | 0.400 | 0.083 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Barium, Total | ND | | mg/kg | 0.400 | 0.070 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Beryllium, Total | ND | | mg/kg | 0.200 | 0.013 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Cadmium, Total | ND | | mg/kg | 0.400 | 0.039 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Calcium, Total | ND | | mg/kg | 4.00 | 1.40 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Chromium, Total | ND | | mg/kg | 0.400 | 0.038 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Cobalt, Total | ND | | mg/kg | 0.800 | 0.066 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Copper, Total | 0.117 | J | mg/kg | 0.400 | 0.103 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Iron, Total | 0.765 | J | mg/kg | 2.00 | 0.361 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Lead, Total | ND | | mg/kg | 2.00 | 0.107 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Magnesium, Total | ND | | mg/kg | 4.00 | 0.616 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Manganese, Total | ND | | mg/kg | 0.400 | 0.064 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Nickel, Total | ND | | mg/kg | 1.00 | 0.097 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Potassium, Total | ND | | mg/kg | 100 | 5.76 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Selenium, Total | ND | | mg/kg | 0.800 | 0.103 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Silver, Total | ND | | mg/kg | 0.200 | 0.113 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Sodium, Total | ND | | mg/kg | 80.0 | 1.26 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Thallium, Total | ND | | mg/kg | 0.800 | 0.126 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Vanadium, Total | ND | | mg/kg | 0.400 | 0.081 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |
| Zinc, Total | ND | | mg/kg | 2.00 | 0.117 | 1 | 09/10/24 10:30 | 09/11/24 15:11 | 1,6010D | DMC |

**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): 01-03 Batch: WG1969492-1 | | | | | | | | | | |
| Mercury, Total | ND | | mg/kg | 0.083 | 0.054 | 1 | 09/10/24 11:00 | 09/11/24 15:57 | 1,7471B | JWN |

**Project Name:** SCHENECTADY 40 ANCHOR
**Project Number:** 23.3588
**Lab Number:** L2450528
**Report Date:** 09/12/24

# Method Blank Analysis
# Batch Quality Control

**Prep Information**

Digestion Method: EPA 7471B

ATTACHMENT 15

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SCHENECTADY 40 ANCHOR

**Project Number:** 23.3588

**Lab Number:** L2450528

**Report Date:** 09/12/24

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1969489-2 | | | | | | | | |
| Aluminum, Total | 94 | | - | | 80-120 | - | | |
| Antimony, Total | 100 | | - | | 80-120 | - | | |
| Arsenic, Total | 92 | | - | | 80-120 | - | | |
| Barium, Total | 97 | | - | | 80-120 | - | | |
| Beryllium, Total | 98 | | - | | 80-120 | - | | |
| Cadmium, Total | 98 | | - | | 80-120 | - | | |
| Calcium, Total | 98 | | - | | 80-120 | - | | |
| Chromium, Total | 100 | | - | | 80-120 | - | | |
| Cobalt, Total | 100 | | - | | 80-120 | - | | |
| Copper, Total | 100 | | - | | 80-120 | - | | |
| Iron, Total | 99 | | - | | 80-120 | - | | |
| Lead, Total | 95 | | - | | 80-120 | - | | |
| Magnesium, Total | 100 | | - | | 80-120 | - | | |
| Manganese, Total | 96 | | - | | 80-120 | - | | |
| Nickel, Total | 101 | | - | | 80-120 | - | | |
| Potassium, Total | 102 | | - | | 80-120 | - | | |
| Selenium, Total | 94 | | - | | 80-120 | - | | |
| Silver, Total | 99 | | - | | 80-120 | - | | |
| Sodium, Total | 102 | | - | | 80-120 | - | | |
| Thallium, Total | 91 | | - | | 80-120 | - | | |
| Vanadium, Total | 100 | | - | | 80-120 | - | | |

ATTACHMENT 15

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** SCHENECTADY 40 ANCHOR

**Project Number:** 23.3588

**Lab Number:** L2450528

**Report Date:** 09/12/24

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1969489-2 | | | | | |
| Zinc, Total | 100 | - | 80-120 | - | |
| Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1969492-2 | | | | | |
| Mercury, Total | 97 | - | 80-120 | - | |

ATTACHMENT 15

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** SCHENECTADY 40 ANCHOR
**Project Number:** 23.3588
**Lab Number:** L2450528
**Report Date:** 09/12/24

| 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): 01-03 QC Batch ID: WG1969489-3 QC Sample: L2451351-09 Client ID: MS Sample | | | | | | | | | | | | |
| Aluminum, Total | 7460 | 222 | 8650 | **536** | Q | - | - | | 75-125 | - | | 20 |
| Antimony, Total | ND | 55.4 | 49.0 | 88 | | - | - | | 75-125 | - | | 20 |
| Arsenic, Total | 2.81 | 13.3 | 17.8 | 113 | | - | - | | 75-125 | - | | 20 |
| Barium, Total | 53.5 | 222 | 257 | 92 | | - | - | | 75-125 | - | | 20 |
| Beryllium, Total | 0.216J | 5.54 | 5.48 | 99 | | - | - | | 75-125 | - | | 20 |
| Cadmium, Total | ND | 5.88 | 4.63 | 79 | | - | - | | 75-125 | - | | 20 |
| Calcium, Total | 89400 | 1110 | 96600 | **649** | Q | - | - | | 75-125 | - | | 20 |
| Chromium, Total | 19.2 | 22.2 | 41.6 | 101 | | - | - | | 75-125 | - | | 20 |
| Cobalt, Total | 2.75 | 55.4 | 50.7 | 86 | | - | - | | 75-125 | - | | 20 |
| Copper, Total | 12.1 | 27.7 | 40.8 | 104 | | - | - | | 75-125 | - | | 20 |
| Iron, Total | 9420 | 111 | 10800 | **1240** | Q | - | - | | 75-125 | - | | 20 |
| Lead, Total | 182 | 58.8 | 326 | **245** | Q | - | - | | 75-125 | - | | 20 |
| Magnesium, Total | 6030 | 1110 | 7510 | **133** | Q | - | - | | 75-125 | - | | 20 |
| Manganese, Total | 134 | 55.4 | 211 | **139** | Q | - | - | | 75-125 | - | | 20 |
| Nickel, Total | 10.2 | 55.4 | 60.1 | 90 | | - | - | | 75-125 | - | | 20 |
| Potassium, Total | 1760 | 1110 | 2540 | **70** | Q | - | - | | 75-125 | - | | 20 |
| Selenium, Total | ND | 13.3 | 14.5 | 109 | | - | - | | 75-125 | - | | 20 |
| Silver, Total | ND | 5.54 | 5.53 | 100 | | - | - | | 75-125 | - | | 20 |
| Sodium, Total | 838 | 1110 | 1550 | **64** | Q | - | - | | 75-125 | - | | 20 |
| Thallium, Total | 0.676J | 13.3 | 13.4 | 101 | | - | - | | 75-125 | - | | 20 |
| Vanadium, Total | 22.6 | 55.4 | 77.7 | 99 | | - | - | | 75-125 | - | | 20 |

ATTACHMENT 15

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** SCHENECTADY 40 ANCHOR
**Project Number:** 23.3588

**Lab Number:** L2450528
**Report Date:** 09/12/24

| 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): 01-03 QC Batch ID: WG1969489-3 QC Sample: L2451351-09 Client ID: MS Sample | | | | | | | | | |
| Zinc, Total | 50.3 | 55.4 | 107 | 102 | - | - | 75-125 | - | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1969492-3 QC Sample: L2451351-09 Client ID: MS Sample | | | | | | | | | |
| Mercury, Total | ND | 1.8 | 1.78 | 99 | - | - | 80-120 | - | 20 |

ATTACHMENT 15

# Lab Duplicate Analysis

***Batch Quality Control***

**Project Name:** SCHENECTADY 40 ANCHOR

**Project Number:** 23.3588

***Lab Number:*** L2450528

***Report Date:*** 09/12/24

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1969489-4 QC Sample: L2451351-09 Client ID: DUP Sample | | | | | | |
| Aluminum, Total | 7460 | 7550 | mg/kg | 1 | | 20 |
| Antimony, Total | ND | ND | mg/kg | NC | | 20 |
| Arsenic, Total | 2.81 | 3.01 | mg/kg | 7 | | 20 |
| Barium, Total | 53.5 | 56.3 | mg/kg | 5 | | 20 |
| Beryllium, Total | 0.216J | 0.253J | mg/kg | NC | | 20 |
| Cadmium, Total | ND | ND | mg/kg | NC | | 20 |
| Calcium, Total | 89400 | 91300 | mg/kg | 2 | | 20 |
| Chromium, Total | 19.2 | 19.3 | mg/kg | 1 | | 20 |
| Cobalt, Total | 2.75 | 2.97 | mg/kg | 8 | | 20 |
| Copper, Total | 12.1 | 12.3 | mg/kg | 2 | | 20 |
| Iron, Total | 9420 | 9270 | mg/kg | 2 | | 20 |
| Lead, Total | 182 | 185 | mg/kg | 2 | | 20 |
| Magnesium, Total | 6030 | 6100 | mg/kg | 1 | | 20 |
| Manganese, Total | 134 | 148 | mg/kg | 10 | | 20 |
| Nickel, Total | 10.2 | 10.2 | mg/kg | 0 | | 20 |
| Potassium, Total | 1760 | 1760 | mg/kg | 0 | | 20 |
| Selenium, Total | ND | ND | mg/kg | NC | | 20 |
| Silver, Total | ND | ND | mg/kg | NC | | 20 |
| Sodium, Total | 838 | 773 | mg/kg | 8 | | 20 |

ATTACHMENT 15

# Lab Duplicate Analysis

***Batch Quality Control***

**Project Name:** SCHENECTADY 40 ANCHOR

**Project Number:** 23.3588

***Lab Number:*** L2450528

***Report Date:*** 09/12/24

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1969489-4 QC Sample: L2451351-09 Client ID: DUP Sample | | | | | |
| Thallium, Total | 0.676J | 0.634J | mg/kg | NC | 20 |
| Vanadium, Total | 22.6 | 22.7 | mg/kg | 0 | 20 |
| Zinc, Total | 50.3 | 52.1 | mg/kg | 4 | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1969492-4 QC Sample: L2451351-09 Client ID: DUP Sample | | | | | |
| Mercury, Total | ND | ND | mg/kg | NC | 20 |

ATTACHMENT 15

**Project Name:** SCHENECTADY 40 ANCHOR
**Project Number:** 23.3588

# Lab Serial Dilution Analysis
## Batch Quality Control

**Lab Number:** L2450528
**Report Date:** 09/12/24

| Parameter | Native Sample | Serial Dilution | Units | % D | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1969489-6 QC Sample: L2451351-09 Client ID: DUP Sample | | | | | | |
| Manganese, Total | 134 | 143 | mg/kg | 7 | | 20 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** SCHENECTADY 40 ANCHOR
**Project Number:** 23.3588
**Lab Number:** L2450528
**Report Date:** 09/12/24

## SAMPLE RESULTS

Lab ID: L2450528-01
Client ID: TP-1
Sample Location: SCHENECTADY, NY
Sample Depth:
Matrix: Soil

Date Collected: 09/05/24 11:05
Date Received: 09/05/24
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 | 73.8 | | % | 0.100 | NA | 1 | - | 09/06/24 12:48 | 121,2540G | ROI |

**Project Name:** SCHENECTADY 40 ANCHOR
**Project Number:** 23.3588
**Lab Number:** L2450528
**Report Date:** 09/12/24

## SAMPLE RESULTS

Lab ID: L2450528-02
Client ID: TP-2
Sample Location: SCHENECTADY, NY
Sample Depth:
Matrix: Soil

Date Collected: 09/05/24 11:10
Date Received: 09/05/24
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 | 75.5 | | % | 0.100 | NA | 1 | - | 09/06/24 12:48 | 121,2540G | ROI |

**Project Name:** SCHENECTADY 40 ANCHOR
**Project Number:** 23.3588
**Lab Number:** L2450528
**Report Date:** 09/12/24

## SAMPLE RESULTS

Lab ID: L2450528-03
Client ID: TP-3
Sample Location: SCHENECTADY, NY
Sample Depth:
Matrix: Soil

Date Collected: 09/05/24 11:15
Date Received: 09/05/24
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 79.6 | | % | 0.100 | NA | 1 | - | 09/06/24 12:48 | 121,2540G | ROI |

ATTACHMENT 15

# Lab Duplicate Analysis

***Batch Quality Control***

**Project Name:** SCHENECTADY 40 ANCHOR

**Project Number:** 23.3588

***Lab Number:*** L2450528

***Report Date:*** 09/12/24

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1968361-1 QC Sample: L2450528-01 Client ID: TP-1 | | | | | | |
| Solids, Total | 73.8 | 73.5 | % | 0 | | 20 |

## *Sample Receipt and Container Information*

Were project specific reporting limits specified? YES

### *Cooler Information*

| *Cooler* | *Custody Seal* |
|---|---|
| A | Absent |

### *Container Information*

| *Container ID* | *Container Type* | *Cooler* | *Initial pH* | *Final pH* | *Temp deg C* | *Pres* | *Seal* | *Frozen Date/Time* | *Analysis(*)* |
|---|---|---|---|---|---|---|---|---|---|
| L2450528-01A | Vial MeOH preserved | A | NA | | 4.8 | Y | Absent | | NYTCL-8260HLW-R2(14) |
| L2450528-01B | Vial water preserved | A | NA | | 4.8 | Y | Absent | 06-SEP-24 09:02 | NYTCL-8260HLW-R2(14) |
| L2450528-01C | Vial water preserved | A | NA | | 4.8 | Y | Absent | 06-SEP-24 09:02 | NYTCL-8260HLW-R2(14) |
| L2450528-01D | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 4.8 | Y | Absent | | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180) |
| L2450528-01E | Plastic 2oz unpreserved for TS | A | NA | | 4.8 | Y | Absent | | TS(7) |
| L2450528-01F | Plastic 120ml unpreserved | A | NA | | 4.8 | Y | Absent | | TS(7) |
| L2450528-01G | Glass 120ml/4oz unpreserved | A | NA | | 4.8 | Y | Absent | | NYCP51-PAH(14) |
| L2450528-02A | Vial MeOH preserved | A | NA | | 4.8 | Y | Absent | | NYTCL-8260HLW-R2(14) |
| L2450528-02B | Vial water preserved | A | NA | | 4.8 | Y | Absent | 06-SEP-24 09:02 | NYTCL-8260HLW-R2(14) |
| L2450528-02C | Vial water preserved | A | NA | | 4.8 | Y | Absent | 06-SEP-24 09:02 | NYTCL-8260HLW-R2(14) |
| L2450528-02D | Metals Only-Glass 60mL/2oz unpreserved | A | 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),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180) |
| L2450528-02E | Plastic 2oz unpreserved for TS | A | NA | | 4.8 | Y | Absent | | TS(7) |
| L2450528-02F | Plastic 120ml unpreserved | A | NA | | 4.8 | Y | Absent | | TS(7) |
| L2450528-02G | Glass 120ml/4oz unpreserved | A | NA | | 4.8 | Y | Absent | | NYCP51-PAH(14) |
| L2450528-03A | Vial MeOH preserved | A | NA | | 4.8 | Y | Absent | | NYTCL-8260HLW-R2(14) |
| L2450528-03B | Vial water preserved | A | NA | | 4.8 | Y | Absent | 06-SEP-24 09:02 | NYTCL-8260HLW-R2(14) |
| L2450528-03C | Vial water preserved | A | NA | | 4.8 | Y | Absent | 06-SEP-24 09:02 | NYTCL-8260HLW-R2(14) |



*Values in parentheses indicate holding time in days

**Project Name:** SCHENECTADY 40 ANCHOR

**Project Number:** 23.3588

**ATTACHMENT 15**

**Lab Number:** L2450528

**Report Date:** 09/12/24

***Container Information***

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L2450528-03D | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 4.8 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180) |
| L2450528-03E | Plastic 2oz unpreserved for TS | A | NA | | 4.8 | Y | Absent | | TS(7) |
| L2450528-03F | Plastic 120ml unpreserved | A | NA | | 4.8 | Y | Absent | | TS(7) |
| L2450528-03G | Glass 120ml/4oz unpreserved | A | NA | | 4.8 | Y | Absent | | NYCP51-PAH(14) |



*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | SCHENECTADY 40 ANCHOR | **Lab Number:** | L2450528 |
| **Project Number:** | 23.3588 | **Report Date:** | 09/12/24 |

## 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.)<br><br>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 | **Lab Number:** | L2450528 |
| **Project Number:** | 23.3588 | **Report Date:** | 09/12/24 |

***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 | **Lab Number:** | L2450528 |
| **Project Number:** | 23.3588 | **Report Date:** | 09/12/24 |

***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 **Lab Number:** L2450528

**Project Number:** 23.3588 **Report Date:** 09/12/24

## 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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
**EPA 8270E:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; 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.
**Nonpotable Water: EPA RSK-175 Dissolved Gases**
**Biological Tissue Matrix:** EPA 3050B

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

**Westborough Facility:**

***Drinking Water***
**EPA 300.0**: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
**EPA 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, 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 15

# NEW YORK CHAIN OF CUSTODY

ALPHA

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: 9/6/24

ALPHA Job #: L2450528

**Client Information**
Client: CT Male Associates
Address: 50 Century Hill Dr.
Latham, NY 12110
Phone: 786 518 786 7400
Fax:
Email: a.smith@ctmale.com

**Project Information**
Project Name: Schenectady 40 Anchor
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 # 23.3588

**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:**
Total Solids containers counted in total. TCL & CP-51 VOCs by 8260 needed

**Please specify Metals or TAL.**

**ANALYSIS**
CP-51 VOCs by 8260 and TCL
CP-51 SVOCs by 8270
TAL Metals

**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 | CP-51 VOCs by 8260 and TCL | CP-51 SVOCs by 8270 | TAL Metals | Sample Specific Comments | Total Bottle |
|---|---|---|---|---|---|---|---|---|---|---|
| 50528-01 | TP-1 | 9/5/24 | 1105 | S | AR | X | X | X | | 7 |
| 02 | TP-2 | ↓ | 1110 | S | AR | X | X | X | | 7 |
| 03 | TP-3 | ↓ | 1115 | S | AR | X | X | X | | 7 |

Container Type: V/P | A | A/P
Preservative: F/A | A | A

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

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

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

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| AMY | 9/5/24 1205 | Jen Cody RACE | 9/5/24 12:05 |
| | 9/6 120 | Julie | 9/5 2200 |
| | | | 9/6/24 1:20 |

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)

ATTACHMENT 15

Quantitation Report (QT Reviewed)

Data Path : K:\VOA110\2024\240911N\
Data File : V10240911N12.D
Acq On : 12 Sep 2024 2:01 am
Operator : VOA110:JIC
Sample : L2450528-03,31,5.94,5,,B,32.66,39.10,0.50
Misc : WG1970749,ICAL21435
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 12 09:17:18 2024
Quant Method : K:\VOA110\2024\240911N\V110_240829T_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Aug 30 10:17:56 2024
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox11N01.D•