

May 26, 2022

Ms. Jennifer Baus
NRP Holdings LLC
1228 Euclid Avenue, 4th Floor
Cleveland, Ohio 44115

Re: Phase II Environmental Site Assessment/BCP Eligibility Summary Letter Report
115 South MacQuesten Parkway, Mount Vernon, New York
NRP Phase Code 54.120

Dear Ms. Baus:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of NRP Holdings LLC (NRP), has prepared this Phase II Environmental Site Assessment (Phase II ESA)/New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Eligibility Summary Report (Summary Report). The purpose of this Summary Report is to evaluate the existing environmental conditions at the properties located at the following addresses/section-block-lot in Mount Vernon, New York:

- 2 Grove Street - 164.75-1060-1
- 8 Grove Street - 164.75-1060-2
- 102 South Terrace Avenue - 164.75-1060-3
- 111 South MacQuesten Parkway - 164.75-1060-29
- 115 South MacQuesten Parkway - 164.75-1060-6
- 126 South Terrace Avenue - 164.75-1060-8

For the purposes of this Summary Report, the “Site” encompasses all of these separate parcels, as shown on Figure 1 and Figure 2. This Phase II ESA/BCP Eligibility was performed in an effort to fully investigate the Recognized Environmental Conditions (RECs), identified in the Roux Phase I ESA dated November 25, 2020 (summarized below), and to evaluate potential acceptance into the NYSDEC BCP on a parcel-by-parcel basis.

The Phase II ESA field work was performed in accordance with the Scope of Work (SOW) described in Roux’s Proposal for a Phase II ESA, dated December 3, 2020 and Roux’s Proposal for a Supplemental Phase II ESA, dated January 25, 2021. This Summary Report contains a discussion of the methods, findings, and conclusions of the Phase II ESA/BCP Eligibility.

Phase II ESA Summary

The RECs, which were identified in the Roux Phase I ESA, include the following:

- Historic Site Use: research has identified the former presence of several commercial and industrial facilities at the Site, including a lumber yard, an electric fixture manufacturer, and an auto body repair shop, over a prolonged period of time during the 20th century;
- The suspected presence of underground storage tanks (USTs) and inground hydraulic lifts:
 - 115 South MacQuesten Pkwy – cemented fill ports and a vent pipe;

- 2 Grove St and 102 South Terrace Ave – presence of USTs indicated by previous environmental investigations; and
- 8 Grove St – inground hydraulic lift in an auto body shop.
- The Site is located in an area that has historically been commercial and industrial with numerous adjoining facilities identified in environmental databases such as Beacon Chemical Company to the south and Borsella Auto Body Inc to the east, which both continue to operate; and
- There is the potential for vapor encroachment at the Site based on the historical usage of chlorinated solvents and USTs at the Site and surrounding properties. The RECs listed above identified potential impacts to the subsurface environmental quality.

Roux's Phase II ESA/BCP Eligibility was performed to further investigate potential contamination associated with these RECs.

Scope of Work

The SOW for the Phase II ESA/BCP Eligibility included the following:

- Performance of a Geophysical Survey;
- Advancement of 21 soil borings across the Site, which included volatile organic compound (VOC) screening and the collection of soil samples;
- Collection of one drywell sediment sample;
- Installation of four temporary monitoring wells in select soil boring locations and collection of four groundwater grab samples; and
- Installation and collection of nine sub-slab soil vapor samples and one soil vapor sample.

The fieldwork was completed in two phases; first between December 15, 2020 and December 21, 2020 and second between December 13, 2021 and December 21, 2021. The sampling locations across the Site were selected based on the findings of the Phase I ESA and access constraints. The soil borings and temporary monitoring wells were completed by Aquifer Drilling and Testing LLC (ADT) and all samples collected were analyzed by Alpha Analytical (Alpha) of Westborough, Massachusetts, a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory.

Geophysical Survey

A geophysical survey was performed at the Site, along sidewalks and within parking lot areas, in an attempt to identify the locations of potential areas of concern (e.g., underground storage tanks) and to perform borehole pre-clearance for the proposed drilling locations. Any proposed location that the geophysical survey determined to be near subsurface utilities was located to the safest, closest alternative drilling location. The geophysical survey consisted of utilizing ground penetrating radar (GPR) and electromagnetic methods, which both can detect potential utilities within the subsurface. The survey findings did not require any significant relocation (i.e., > 5 ft distance) from original proposed locations.

Soil Borings and Soil Sampling

A total of 21 soil borings were advanced at the Site. Each soil boring location was pre-cleared to a depth of five feet below ground surface (ft bgs) using soft dig techniques (e.g., air knife, vacuum, hand tools), to confirm the absence of subsurface utilities. Soil was collected with hand tools and/or a Geoprobe® drill rig using the direct-push method, under the oversight of Roux personnel. During drilling of accessible outdoor locations, soil was collected continuously using a 2-inch diameter, 5-foot long macro-core sampler from the ground surface to either 10 or 15 ft bgs (soil borings only), to 5-feet below the water table (temporary wells), or until refusal was encountered. During soil boring advancement within limited access locations, soft dig techniques (i.e., hand tools) were utilized to complete soil borings to depths

ranging from 5-ft bgs to 8-ft bgs, or until refusal was encountered. At limited access locations where temporary monitoring wells were proposed to be installed, a Geoprobe® 420M drill rig using the direct-push method was utilized to advance soil borings to 5-feet below the water table or until refusal was encountered, which varied from 12 to 17 ft bgs.

During soil boring advancement, soils were field screened for VOCs using a photoionization detector (PID). All soils were visually inspected for evidence of environmental impacts (e.g., odors, staining, and/or visible free product) and the lithology was recorded in accordance with the Unified Soils Classification System (USCS). Geologic logs showing sampling and lithologic details for each boring are provided in Attachment 1. Soil samples were collected from the 0-2 foot interval (below asphalt or concrete) and the two-foot depth interval exhibiting the most evidence of contamination. At locations where impacts were not observed at depth, the additional sample was collected within the observed fill layer or the two-foot interval above the groundwater interface at locations advanced into groundwater. Deep soil samples were collected from two of the temporary monitoring water wells (SB-1A and SB-3) and one drywell soil/sediment sample was collected from the drywell located closest to the 115 South MacQuesten Parkway building.

All sampling locations are shown on Figure 2. Additionally, SB-20 was added to the SOW and only included soil boring advancement via hand tools to 5 ft bgs and the original SB-1/TW-1 location was moved to the parking lot due to access constraints and renamed SB-1A/TW-1.

After soil boring advancement was complete, all investigation derived waste was either returned to the boreholes or containerized in drums (if the soils could not be returned to the subsurface), for future off-Site disposal. Additionally, the surface at each location was restored to pre-existing conditions following soil boring sampling activities.

The soil at the Site consists of mostly fine to medium silty sand with some intervals of clayey sand and gravelly sand. Historic fill, where encountered, extended to approximately 3-5 ft bgs and included mostly brown to reddish brown sand, silt, cobbles, and gravel with brick, concrete, and wood fragments. Roux did not observe olfactory evidence of environmental impacts (i.e., odor, staining) in soil borings during field screening. None of the soil borings exhibited PID readings above five parts per million during the drilling activities, which is considered to be a normal background value. Odor, staining, and sheen were only observed for sediment collected from drywell DW-1, but PID readings ranged from 0.0 to 0.4 parts per million (ppm).

All soil samples were analyzed for the following list of parameters:

- Volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method 8260C;
- Semivolatile organic compounds (SVOCs) using USEPA Method 8270D; and
- Target Analyte List (TAL) metals + mercury using USEPA Method 6020A/7471B.

In addition to the above parameters, samples SB-6 (0-2), SB-16 (0-2) and SB-16 (4-6) were analyzed for polychlorinated biphenyls (PCBs) via USEPA Method 8082A.

Soil boring logs are included as Attachment 1. All soil samples were submitted in an iced cooler for analysis to Alpha Analytical under chain of custody procedures.

Groundwater Grab Sampling

Four of the soil borings (SB-1A, SB-3, SB-17, and SB-19) were converted to temporary monitoring wells (TW-1, TW-3, TW-4, and TW-6, respectively) for groundwater sampling. An additional temporary monitoring well (TW-5) was proposed to be installed at SB-18 but was not installed due to lack of groundwater throughout the soil boring until refusal was encountered at approximately 15 ft bgs.

Following the inability to install a temporary monitoring well at SB-18, the same process was attempted at SB-11, but was also unsuccessful due to lack of groundwater throughout the soil boring until refusal was encountered at approximately 12 ft bgs. Each temporary monitoring well was constructed of 1-inch diameter PVC well material consisting of approximately ten feet of 0.010-inch slotted well screen and riser to ground surface. Each temporary well was installed approximately 5 ft into the water table with the final depth of each well ranging from 15-28.5 ft bgs. Following the temporary monitoring well installation, Roux gauged each temporary well with an oil/water interface probe to check for the presence of any potential free product (which was not detected at any location) and to collect depth to water measurements. Groundwater grab samples were collected by Roux personnel using a peristaltic pump and/or check valve and tubing from each installed temporary monitoring well. Water was purged until it appeared to be clear of sediment. One groundwater grab sample from each of the four temporary monitoring wells were analyzed for TCL VOCs, TCL SVOCs, and TAL Metals (total and dissolved). All groundwater grab samples were submitted in an iced cooler for analysis to Alpha Analytical under chain of custody procedures.

Sub-Slab and Soil Vapor Sampling

Roux installed and sampled nine sub-soil vapor points (SV-1 through SV-9) within the lower level of 115 South MacQuesten Parkway, within the lower level of 126 South Terrace Avenue, and/or within the autobody repair shop at 8 Grove Street. One soil vapor point (SV-10) was installed by ADT at approximately 3-ft bgs within the parking lot area of 111 South MacQuesten Parkway. Each sub-slab soil vapor location was installed directly beneath the foundation slab. Each sub-slab and soil vapor sample were collected using pre-cleaned (batch certified) 2.7-liter summa canisters with regulators calibrated to collect samples over an eight-hour period and analyzed using USEPA Method TO-15 for VOCs. A helium tracer gas test was performed on each sub-slab and soil vapor point, prior to sampling in accordance with the procedures outlined in the New York State Department of Health (NYSDOH) Guidance, to confirm the integrity of each location.

Results

Soil sample results were compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs), Restricted Residential Soil Cleanup Objectives (RRSCO), and Protection of Groundwater Soil Cleanup Objectives (PGWSCO). The groundwater results were compared to the NYSDEC Ambient Water-Quality Standards and Guidance Values (AWQSGVs). Sub-slab and soil vapor detections are also reported. A summary of the results is presented on Table 1 through Table 8 and the laboratory analytical results packages are included as Attachment 2. Please note that Roux compared the analytical soil data to several SCOs for completeness, but **RRSCO**s are the applicable criteria to be used in evaluating entry into the BCP.

Soil

Results for the soil samples are provided in Tables 1 through 4 and are summarized on Figure 3. The analytical results of the soil sampling are summarized below:

- The following VOCs were detected at concentrations in excess of applicable standards.
 - Acetone was detected at concentrations ranging from 0.069 micrograms per kilogram (mg/kg) to 0.42 J mg/kg in three soil samples above the UUSCO and PGWSCO of 0.05 mg/kg. The slight exceedances in these three soil samples are likely attributed to laboratory artifact and are not indicative of Site conditions.
 - Trichloroethene (TCE) was detected at a concentration of 11 mg/kg in one soil sample, above the UUSCO and PGWSCO of 0.47 mg/kg.
- The following SVOCs were detected at concentrations in excess of the applicable standards.
 - Benzo(A)Anthracene was detected at concentrations ranging from 1.1 mg/kg to 5 mg/kg in seven soil samples, above the UUSCO, **RRSCO**, and PGWSCO of 1 mg/kg.

- Benzo(A)Pyrene was detected at concentrations ranging from 1.1 mg/kg to 5 mg/kg in seven soil samples, above the UUSCO and **RRSCO** of 1 mg/kg.
- Benzo(B)Fluoranthene was detected at concentrations ranging from 1.2 mg/kg to 5.4 mg/kg in eight soil samples, above the UUSCO and **RRSCO** of 1 mg/kg in all eight soil samples and above the PGWSCO of 1.7 mg/kg in three soil samples.
- Benzo(K)Fluoranthene was detected at concentrations ranging from 1.2 mg/kg to 1.9 mg/kg in three soil samples, above the UUSCO of 0.8 mg/kg in all three soil samples and above the PGWSCO of 1.7 mg/kg in two soil samples.
- Chrysene was detected at concentrations ranging from 1.2 mg/kg to 4.3 mg/kg in seven soil samples, above the UUSCO and PGWSCO of 1 mg/kg in all seven soil samples and above the RRSCO of 3.9 mg/kg in one soil sample.
- Dibenz(A,H)Anthracene was detected at concentrations ranging from 0.44 mg/kg to 0.66 mg/kg in three soil samples, above the UUSCO and **RRSCO** of 0.33 mg/kg.
- Indeno(1,2,3-C,D)Pyrene was detected at concentrations ranging from 0.62 mg/kg to 2.8 mg/kg in eight soil samples, above the UUSCO and **RRSCO** of 0.5 mg/kg.

These SVOCs, which are all polycyclic aromatic hydrocarbons (PAHs), exceeded the RRCSO in at least one or more samples in every parcel across the Site, with the exception of 126 South Terrace Ave.

- The following metals were detected at concentrations in excess of the applicable standards.
 - Chromium (total) was detected at concentrations ranging from 31.9 mg/kg to 32.7 mg/kg in two soil samples, above the UUSCO of 30 mg/kg.
 - Copper was detected at concentrations ranging from 55.1 mg/kg to 71.3 mg/kg in four soil samples, above the UUSCO of 50 mg/kg.
 - Lead was detected at concentrations ranging from 65.7 mg/kg to 515 mg/kg in 25 soil samples, above the UUSCO of 63 mg/kg in all 25 soil samples, above the **RRSCO** of 400 mg/kg in two soil samples, and above the PGWSCO of 450 mg/kg in one soil sample.
 - Mercury was detected at concentrations ranging from 0.214 mg/kg to 0.612 mg/kg in nine soil samples, above the UUSCO of 0.18 mg/kg.
 - Nickel was detected at a concentration of 35.5 mg/kg in one soil sample, above the UUSCO of 30 mg/kg.
 - Silver was detected at concentrations ranging from 2.31 mg/kg to 3.96 mg/kg in three soil samples, above the UUSCO of 2 mg/kg.
 - Zinc was detected at concentrations ranging from 116 mg/kg to 1,730 mg/kg in 12 soil samples, above the UUSCO of 109 mg/kg.
- PCBs were not detected above UUSCOS, RRSCOs, or PGWSCOs in soil samples SB-6 (0-2), SB-16 (0-2) and SB-16 (4-6).

Groundwater

Results for the four groundwater grab samples are provided in Tables 5 through 7 and are summarized on Figure 4.

- VOCs were not detected at concentrations in exceedance of the AWQSGVs.
- Several PAHs, including Benzo(A)anthracene, benzo(A)pyrene, benzo(B)fluoranthene, benzo(K)fluoranthene, chrysene, and/or Indeno(1,2,3-C,D)pyrene, were detected at estimated concentrations (J qualifier) in exceedance of the AWQSGVs in groundwater grab samples TW-1, TW-3, TW-4, and TW-6.

- Barium, chromium, copper, iron, lead, magnesium, nickel, and thallium exceeded AWQSGVs in unfiltered groundwater grab samples. Dissolved concentrations of these metals did not exceed AWQSGVs in filtered groundwater grab samples.
- Sodium and manganese were detected at concentrations exceeding AWQSGVs in both filtered and unfiltered groundwater grab samples. These metals are naturally occurring and are not indicative of an on-Site source.

The select PAHs and metal exceedances that occurred in unfiltered groundwater grab samples and not in filtered/dissolved samples are likely attributed to elevated turbidity and inadvertent introduction of sediment into the groundwater grab sample at the time of collection and are not indicative of Site conditions. Additionally, turbidity and sediment in the groundwater grab samples likely caused the laboratory to report the groundwater results with elevated detection limits.

Soil Vapor

Results for the sub-slab soil vapor and soil vapor are provided in Table 8 and are summarized on Figure 5. The laboratory data for the eight VOCs that have been assigned to one of the three NYSDOH Guidance Soil Vapor / Indoor Air Decision Matrices is summarized below:

Compound	Number of Detections	Range in Concentrations (micrograms per cubic meter [$\mu\text{g}/\text{m}^3$])	Sample with the Highest Concentration
Carbon Tetrachloride	1	ND ¹ – 1.9	SV-1
Trichloroethylene (TCE)	9	ND – 21,100	SV-8
Cis-1,2-Dichloroethylene (Cis-1,2-DCE)	3	ND – 65.4	SV-8
1,1-Dichloroethene (1,1-DCE)	4	ND - 611	SV-4
Tetrachloroethylene (PCE)	9	ND – 612	SV-1
1,1,1-Trichloroethane (TCA)	6	ND – 26,800	SV-4
Methylene Chloride	2	2.11 – 52.8	SV-3
Vinyl Chloride	1	68	SV-10

Although a direct comparison to the NYSDOH Matrices cannot be made since indoor air samples were not collected as part of this Phase II ESA/BCP Eligibility, the significantly elevated concentrations of TCE, Cis-1,2-DCE, 1,1-DCE, and TCA in sub-slab vapor alone trigger the need to mitigate no matter what the indoor air concentrations are.

Low levels of petroleum-related compounds were also detected in several samples:

- Benzene was detected in SV-3, SV-7, and SV-10, with the maximum concentration detected in SV-10 (2.39 $\mu\text{g}/\text{m}^3$).
- Toluene was detected samples SV-1, SV-2, SV-3, SV-5, SV-6, SV-7, and SV-10 with the maximum concentration detected in SV-3 (66.7 $\mu\text{g}/\text{m}^3$).
- Ethylbenzene was detected in SB-7 at a concentration of 3.71 $\mu\text{g}/\text{m}^3$.
- Xylenes (total) were detected in SV-1, SV-6, SV-7, and SV-9 with the maximum concentration detected in SV-9 (23.93 $\mu\text{g}/\text{m}^3$).

¹ ND – Indicates that the compound was analyzed for but not detected

Conclusions

The following conclusions have been determined based on the results of the Phase II ESA:

- Fill materials were visually observed to a maximum depth ranging from approximately 3 ft bgs to 5 ft bgs throughout the Site.
- No elevated PID readings were observed in any soil boring. Drywell sediment exhibited odor, staining, and sheen, but PID readings were less than 0.5 ppm.
- VOCs, with the exception of Acetone and Trichloroethylene (UUSCO and PGWSCO exceedance only) were not detected in exceedance of NYSDEC AWQSGVs, UUSCOs, or RRSCOs in soil or groundwater at the Site.
- Analytical results for the shallow (less than 7-ft bgs) soil samples collected during the Phase II ESA/BCP Eligibility indicate that soil is impacted with select PAHs and metals, likely related to either historic fill or former operations at the Site, at concentrations exceeding UUSCOs/PGWSCOs and RRSCOs.
- Select PAHs and metals in unfiltered groundwater samples exceeding AWQSGVs that did not exceed AWQSGVs in filtered samples are not indicative of Site conditions, due to inadvertent introduction of sediment in the unfiltered samples.
- CVOCs and petroleum-related compounds detected in soil vapor may be related to historical use of chlorinated solvents and USTs at the Site and its surrounding properties. Notably high concentrations of both TCE and TCA were present in samples SV-4 and SV-8.
- Additional investigation activities would be recommended in the area near SV-4 and SV-8 to further determine if there is an on-Site source area, due to the lack of soil and groundwater data in this vicinity.
- Based on the data generated as part of this Phase II ESA/BCP Eligibility, RRSCOs exceedances were found on all parcels of the Site, with the exception of 126 South Terrace Ave and significant CVOCs exist in sub slab vapor that require mitigation.

If you have any questions about the sampling results at the Site, please do not hesitate to contact either of the undersigned.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.



Ronald A. Lombino II
Senior Hydrogeologist



Joseph Duminuco
Executive Vice President/
Principal Hydrogeologist/

Attachments

1. Soil Boring Logs
2. Laboratory Analytical Reports

cc: Michael Koenig, NRP

TABLES

1. Summary of Volatile Organic Compounds in Soil
2. Summary of Semivolatile Organic Compounds in Soil
3. Summary of Metals in Soil
4. Summary of Polychlorinated Biphenyls in Soil
5. Summary of Volatile Organic Compounds in Groundwater
6. Summary of Semivolatile Organic Compounds in Groundwater
7. Summary of Metals in Groundwater
8. Summary of Volatile Organic Compounds in Soil Vapor

Notes Utilized Throughout Tables

Soil Tables

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

ft bls - Feet below land surface

mg/kg - Milligrams per kilogram

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO

Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Groundwater Tables

J - Estimated Value

U - Compound was analyzed for but not detected

µg/L - Micrograms per liter

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Soil Vapor/Ambient Air

U - Indicates that the compound was analyzed for but not detected

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte

ug/m3 - Micrograms per cubic meter

Bold data indicates that parameter was detected

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	DW-1	SB-1	SB-1A
					Sample Date:	12/15/2020	12/16/2020	12/18/2020
					Sample Depth (ft bls):	0 - 2	0 - 2	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.00054 U	0.00058 U	0.00051 U	
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.00054 U	0.00058 U	0.00051 U	
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.00054 U	0.00058 U	0.00051 U	
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0011 U	0.0012 U	0.001 U	
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0011 U	0.0012 U	0.001 U	
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0011 U	0.0012 U	0.001 U	
1,1-Dichloropropene	--	--	--	MG/KG	0.00054 U	0.00058 U	0.00051 U	
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0022 U	0.0023 U	0.002 U	
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0022 U	0.0023 U	0.002 U	
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0022 U	0.0023 U	0.002 U	
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0022 U	0.0023 U	0.002 U	
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0022 U	0.00043 J	0.002 U	
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0032 U	0.0035 U	0.003 U	
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0011 U	0.0012 U	0.001 U	
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0022 U	0.0023 U	0.002 U	
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0011 U	0.0012 U	0.001 U	
1,2-Dichloropropane	--	--	--	MG/KG	0.0011 U	0.0012 U	0.001 U	
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0022 U	0.0023 U	0.002 U	
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0022 U	0.0023 U	0.002 U	
1,3-Dichloropropane	--	--	--	MG/KG	0.0022 U	0.0023 U	0.002 U	
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0022 U	0.0023 U	0.002 U	
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0022 U	0.00026 J	0.002 U	
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.087 U	0.093 U	0.082 U	
2,2-Dichloropropane	--	--	--	MG/KG	0.0022 U	0.0023 U	0.002 U	
2-Chlorotoluene	--	--	--	MG/KG	0.0022 U	0.0023 U	0.002 U	
2-Hexanone	--	--	--	MG/KG	0.011 U	0.012 U	0.01 U	
4-Chlorotoluene	--	--	--	MG/KG	0.0022 U	0.0023 U	0.002 U	
4-Ethyltoluene	--	--	--	MG/KG	0.0022 U	0.0023 U	0.002 U	
Acetone	0.05	100	0.05	MG/KG	0.025	0.014	0.01 U	
Acrylonitrile	--	--	--	MG/KG	0.0043 U	0.0046 U	0.0041 U	
Benzene	0.06	4.8	0.06	MG/KG	0.00054 U	0.00058 U	0.00051 U	
Bromobenzene	--	--	--	MG/KG	0.0022 U	0.0023 U	0.002 U	
Bromochloromethane	--	--	--	MG/KG	0.0022 U	0.0023 U	0.002 U	

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					DW-1	SB-1	SB-1A
					12/15/2020	12/16/2020	12/18/2020
Sample Depth (ft bls):					0 - 2	0 - 2	0 - 2
Bromodichloromethane	--	--	--	MG/KG	0.00054 U	0.00058 U	0.00051 U
Bromoform	--	--	--	MG/KG	0.0043 U	0.0046 U	0.0041 U
Bromomethane	--	--	--	MG/KG	0.0022 U	0.001 J	0.002 U
Carbon Disulfide	--	--	--	MG/KG	0.011 U	0.012 U	0.01 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0011 U	0.0012 U	0.001 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.00054 U	0.00058 U	0.00051 U
Chloroethane	--	--	--	MG/KG	0.0022 U	0.0023 U	0.002 U
Chloroform	0.37	49	0.37	MG/KG	0.0016 U	0.0017 U	0.0015 U
Chloromethane	--	--	--	MG/KG	0.0043 U	0.0046 U	0.0041 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0011 U	0.0012 U	0.001 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.00054 U	0.00058 U	0.00051 U
Cymene	--	--	--	MG/KG	0.0011 U	0.0012 U	0.001 U
Dibromochloromethane	--	--	--	MG/KG	0.0011 U	0.0012 U	0.001 U
Dibromomethane	--	--	--	MG/KG	0.0022 U	0.0023 U	0.002 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.011 U	0.012 U	0.01 U
Dichloroethylenes	--	--	--	MG/KG	0.0011 U	0.0012 U	0.001 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0022 U	0.0023 U	0.002 U
Ethylbenzene	1	41	1	MG/KG	0.0011 U	0.0012 U	0.001 U
Hexachlorobutadiene	--	--	--	MG/KG	0.0043 U	0.0046 U	0.0041 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0011 U	0.0012 U	0.001 U
m,p-Xylene	--	--	--	MG/KG	0.0022 U	0.0023 U	0.002 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.011 U	0.012 U	0.01 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.011 U	0.012 U	0.01 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0054 U	0.0058 U	0.0051 U
Naphthalene	12	100	12	MG/KG	0.0025 J	0.0036 J	0.0041 U
N-Butylbenzene	12	100	12	MG/KG	0.00036 J	0.0012 U	0.001 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0011 U	0.0012 U	0.001 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0011 U	0.0012 U	0.001 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0011 U	0.0012 U	0.001 U
Styrene	--	--	--	MG/KG	0.0011 U	0.0012 U	0.001 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0022 U	0.0023 U	0.002 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0022 U	0.0023 U	0.002 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.00054 U	0.00058 U	0.00092

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	DW-1	SB-1	SB-1A
					Sample Date:	12/15/2020	12/16/2020	12/18/2020
					Sample Depth (ft bls):	0 - 2	0 - 2	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Toluene	0.7	100	0.7	MG/KG	0.0011 U	0.0012 U	0.001 U	
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.00054 U	0.00058 U	0.00051 U	
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0016 U	0.0017 U	0.0015 U	
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0011 U	0.0012 U	0.001 U	
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0054 U	0.0058 U	0.0051 U	
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.00054 U	0.00058 U	0.00042 J	
Trichlorofluoromethane	--	--	--	MG/KG	0.0043 U	0.0046 U	0.0041 U	
Vinyl Acetate	--	--	--	MG/KG	0.011 U	0.012 U	0.01 U	
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0011 U	0.0012 U	0.001 U	
Xylenes	0.26	100	1.6	MG/KG	0.0011 U	0.0012 U	0.001 U	

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-1A	SB-2	SB-3
					Sample Date:	12/18/2020	12/16/2020	12/15/2020
					Sample Depth (ft bls):	14.5 - 15	0 - 2	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.00046 U	0.00058 U	0.00068 U	
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.00046 U	0.00058 U	0.00068 U	
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.00046 U	0.00058 U	0.00068 U	
1,1,2-Trichloroethane	--	--	--	MG/KG	0.00093 U	0.0012 U	0.0014 U	
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.00093 U	0.0012 U	0.0014 U	
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.00093 U	0.0012 U	0.0014 U	
1,1-Dichloropropene	--	--	--	MG/KG	0.00046 U	0.00058 U	0.00068 U	
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0018 U	0.0023 U	0.0027 U	
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0018 U	0.0023 U	0.0027 U	
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0018 U	0.0023 U	0.0027 U	
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0018 U	0.0023 U	0.0027 U	
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0018 U	0.0023 U	0.0027 U	
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0028 U	0.0035 U	0.0041 U	
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.00093 U	0.0012 U	0.0014 U	
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0018 U	0.0023 U	0.0027 U	
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.00093 U	0.0012 U	0.0014 U	
1,2-Dichloropropane	--	--	--	MG/KG	0.00093 U	0.0012 U	0.0014 U	
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0018 U	0.0023 U	0.0027 U	
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0018 U	0.0023 U	0.0027 U	
1,3-Dichloropropane	--	--	--	MG/KG	0.0018 U	0.0023 U	0.0027 U	
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0018 U	0.0023 U	0.0027 U	
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0018 U	0.0023 U	0.0027 U	
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.074 U	0.093 U	0.11 U	
2,2-Dichloropropane	--	--	--	MG/KG	0.0018 U	0.0023 U	0.0027 U	
2-Chlorotoluene	--	--	--	MG/KG	0.0018 U	0.0023 U	0.0027 U	
2-Hexanone	--	--	--	MG/KG	0.0093 U	0.012 U	0.014 U	
4-Chlorotoluene	--	--	--	MG/KG	0.0018 U	0.0023 U	0.0027 U	
4-Ethyltoluene	--	--	--	MG/KG	0.0018 U	0.0023 U	0.0027 U	
Acetone	0.05	100	0.05	MG/KG	0.0093 U	0.012 U	0.014 U	
Acrylonitrile	--	--	--	MG/KG	0.0037 U	0.0046 U	0.0054 U	
Benzene	0.06	4.8	0.06	MG/KG	0.00046 U	0.00058 U	0.00068 U	
Bromobenzene	--	--	--	MG/KG	0.0018 U	0.0023 U	0.0027 U	
Bromochloromethane	--	--	--	MG/KG	0.0018 U	0.0023 U	0.0027 U	

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-1A	SB-2	SB-3
					12/18/2020	12/16/2020	12/15/2020
					14.5 - 15	0 - 2	0 - 2
Bromodichloromethane	--	--	--	MG/KG	0.00046 U	0.00058 U	0.00068 U
Bromoform	--	--	--	MG/KG	0.0037 U	0.0046 U	0.0054 U
Bromomethane	--	--	--	MG/KG	0.0018 U	0.00079 J	0.0027 U
Carbon Disulfide	--	--	--	MG/KG	0.0093 U	0.012 U	0.014 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.00093 U	0.0012 U	0.0014 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.00046 U	0.00058 U	0.00068 U
Chloroethane	--	--	--	MG/KG	0.0018 U	0.0023 U	0.0027 U
Chloroform	0.37	49	0.37	MG/KG	0.0014 U	0.0017 U	0.002 U
Chloromethane	--	--	--	MG/KG	0.0037 U	0.0046 U	0.0054 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.00093 U	0.0012 U	0.0014 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.00046 U	0.00058 U	0.00068 U
Cymene	--	--	--	MG/KG	0.00093 U	0.0012 U	0.0014 U
Dibromochloromethane	--	--	--	MG/KG	0.00093 U	0.0012 U	0.0014 U
Dibromomethane	--	--	--	MG/KG	0.0018 U	0.0023 U	0.0027 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.0093 U	0.012 U	0.014 U
Dichloroethylenes	--	--	--	MG/KG	0.00093 U	0.0012 U	0.0014 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0018 U	0.0023 U	0.0027 U
Ethylbenzene	1	41	1	MG/KG	0.00093 U	0.0012 U	0.0014 U
Hexachlorobutadiene	--	--	--	MG/KG	0.0037 U	0.0046 U	0.0054 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.00093 U	0.0012 U	0.0014 U
m,p-Xylene	--	--	--	MG/KG	0.0018 U	0.0023 U	0.0027 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.0093 U	0.012 U	0.014 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.0093 U	0.012 U	0.014 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0046 U	0.0058 U	0.0068 U
Naphthalene	12	100	12	MG/KG	0.0037 U	0.0046 U	0.0054 U
N-Butylbenzene	12	100	12	MG/KG	0.00093 U	0.0012 U	0.0014 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.00093 U	0.0012 U	0.0014 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.00093 U	0.0012 U	0.0014 U
Sec-Butylbenzene	11	100	11	MG/KG	0.00093 U	0.0012 U	0.0014 U
Styrene	--	--	--	MG/KG	0.00093 U	0.0012 U	0.0014 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0018 U	0.0023 U	0.0027 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0018 U	0.0023 U	0.0027 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.00046 U	0.00065	0.015

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-1A	SB-2	SB-3
					Sample Date:	12/18/2020	12/16/2020	12/15/2020
					Sample Depth (ft bls):	14.5 - 15	0 - 2	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Toluene	0.7	100	0.7	MG/KG	0.00093 U	0.0012 U	0.0014 U	
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.00046 U	0.00058 U	0.00068 U	
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0014 U	0.0017 U	0.002 U	
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.00093 U	0.0012 U	0.0014 U	
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0046 U	0.0058 U	0.0068 U	
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.00046 U	0.0025	0.00038 J	
Trichlorofluoromethane	--	--	--	MG/KG	0.0037 U	0.0046 U	0.0054 U	
Vinyl Acetate	--	--	--	MG/KG	0.0093 U	0.012 U	0.014 U	
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.00093 U	0.0012 U	0.0014 U	
Xylenes	0.26	100	1.6	MG/KG	0.00093 U	0.0012 U	0.0014 U	

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-3	SB-4	SB-5
					12/18/2020	12/15/2020	12/15/2020
					24.5 - 25	0 - 2	0 - 2
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.00051 U	0.00047 U	0.00048 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.00051 U	0.00047 U	0.00048 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.00051 U	0.00047 U	0.00048 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.001 U	0.00095 U	0.00095 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.001 U	0.00095 U	0.00095 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.001 U	0.00095 U	0.00095 U
1,1-Dichloropropene	--	--	--	MG/KG	0.00051 U	0.00047 U	0.00048 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.002 U	0.0019 U	0.0019 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.002 U	0.0019 U	0.0019 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.002 U	0.0019 U	0.0019 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.002 U	0.0019 U	0.0019 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.002 U	0.0019 U	0.0019 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.003 U	0.0028 U	0.0028 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.001 U	0.00095 U	0.00095 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.002 U	0.0019 U	0.0019 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.001 U	0.00095 U	0.00095 U
1,2-Dichloropropane	--	--	--	MG/KG	0.001 U	0.00095 U	0.00095 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.002 U	0.0019 U	0.0019 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.002 U	0.0019 U	0.0019 U
1,3-Dichloropropane	--	--	--	MG/KG	0.002 U	0.0019 U	0.0019 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.002 U	0.0019 U	0.0019 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.002 U	0.0019 U	0.0019 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.081 U	0.076 U	0.076 U
2,2-Dichloropropane	--	--	--	MG/KG	0.002 U	0.0019 U	0.0019 U
2-Chlorotoluene	--	--	--	MG/KG	0.002 U	0.0019 U	0.0019 U
2-Hexanone	--	--	--	MG/KG	0.01 U	0.0095 U	0.0095 U
4-Chlorotoluene	--	--	--	MG/KG	0.002 U	0.0019 U	0.0019 U
4-Ethyltoluene	--	--	--	MG/KG	0.002 U	0.0019 U	0.0019 U
Acetone	0.05	100	0.05	MG/KG	0.01 U	0.0095 U	0.0095 U
Acrylonitrile	--	--	--	MG/KG	0.0041 U	0.0038 U	0.0038 U
Benzene	0.06	4.8	0.06	MG/KG	0.00051 U	0.00047 U	0.00048 U
Bromobenzene	--	--	--	MG/KG	0.002 U	0.0019 U	0.0019 U
Bromochloromethane	--	--	--	MG/KG	0.002 U	0.0019 U	0.0019 U

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-3	SB-4	SB-5
					12/18/2020	12/15/2020	12/15/2020
					24.5 - 25	0 - 2	0 - 2
Bromodichloromethane	--	--	--	MG/KG	0.00051 U	0.00047 U	0.00048 U
Bromoform	--	--	--	MG/KG	0.0041 U	0.0038 U	0.0038 U
Bromomethane	--	--	--	MG/KG	0.002 U	0.0019 U	0.0019 U
Carbon Disulfide	--	--	--	MG/KG	0.01 U	0.0095 U	0.0095 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.001 U	0.00095 U	0.00095 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.00051 U	0.00047 U	0.00048 U
Chloroethane	--	--	--	MG/KG	0.002 U	0.0019 U	0.0019 U
Chloroform	0.37	49	0.37	MG/KG	0.0015 U	0.0014 U	0.0014 U
Chloromethane	--	--	--	MG/KG	0.0041 U	0.0038 U	0.0038 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.001 U	0.011	0.00095 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.00051 U	0.00047 U	0.00048 U
Cymene	--	--	--	MG/KG	0.001 U	0.00095 U	0.00095 U
Dibromochloromethane	--	--	--	MG/KG	0.001 U	0.00095 U	0.00095 U
Dibromomethane	--	--	--	MG/KG	0.002 U	0.0019 U	0.0019 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.01 U	0.0095 U	0.0095 U
Dichloroethylenes	--	--	--	MG/KG	0.001 U	0.012 J	0.00095 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.002 U	0.0019 U	0.0019 U
Ethylbenzene	1	41	1	MG/KG	0.001 U	0.00095 U	0.00095 U
Hexachlorobutadiene	--	--	--	MG/KG	0.0041 U	0.0038 U	0.0038 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.001 U	0.00095 U	0.00095 U
m,p-Xylene	--	--	--	MG/KG	0.002 U	0.0019 U	0.0019 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.01 U	0.0095 U	0.0095 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.01 U	0.0095 U	0.0095 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0051 U	0.0047 U	0.0048 U
Naphthalene	12	100	12	MG/KG	0.0041 U	0.0037 J	0.0038 U
N-Butylbenzene	12	100	12	MG/KG	0.001 U	0.00095 U	0.00095 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.001 U	0.00095 U	0.00095 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.001 U	0.00095 U	0.00095 U
Sec-Butylbenzene	11	100	11	MG/KG	0.001 U	0.00095 U	0.00095 U
Styrene	--	--	--	MG/KG	0.001 U	0.00095 U	0.00095 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.002 U	0.0019 U	0.0019 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.002 U	0.0019 U	0.0019 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.00051 U	0.0066	0.00048 U

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:			
					SB-3	SB-4	SB-5	
					Sample Date:	12/18/2020	12/15/2020	12/15/2020
					Sample Depth (ft bls):	24.5 - 25	0 - 2	0 - 2
Toluene	0.7	100	0.7	MG/KG	0.001 U	0.00095 U	0.00095 U	
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.00051 U	0.00047 U	0.00048 U	
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0015 U	0.00051 J	0.0014 U	
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.001 U	0.00095 U	0.00095 U	
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0051 U	0.0047 U	0.0048 U	
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.00051 U	0.032	0.00048 U	
Trichlorofluoromethane	--	--	--	MG/KG	0.0041 U	0.0038 U	0.0038 U	
Vinyl Acetate	--	--	--	MG/KG	0.01 U	0.0095 U	0.0095 U	
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.001 U	0.00095 U	0.00095 U	
Xylenes	0.26	100	1.6	MG/KG	0.001 U	0.00095 U	0.00095 U	

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-6	SB-7	SB-7
					12/15/2020	12/21/2021	12/21/2021
					0 - 2	0 - 2	2 - 4
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.0005 U	0.00053 U	0.00064 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0005 U	0.00053 U	0.00064 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.0005 U	0.00053 U	0.00064 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.001 U	0.001 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.001 U	0.001 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.001 U	0.001 U	0.0013 U
1,1-Dichloropropene	--	--	--	MG/KG	0.0005 U	0.00053 U	0.00064 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.002 U	0.0021 U	0.0026 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.002 U	0.0021 U	0.0026 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.00019 J	0.0021 U	0.0026 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.002 U	0.0021 U	0.0026 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.00065 J	0.0021 U	0.0026 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.003 U	0.0032 U	0.0038 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.001 U	0.001 U	0.0013 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.002 U	0.0021 U	0.0026 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.001 U	0.001 U	0.0013 U
1,2-Dichloropropane	--	--	--	MG/KG	0.001 U	0.001 U	0.0013 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.00033 J	0.0021 U	0.0026 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.002 U	0.0021 U	0.0026 U
1,3-Dichloropropane	--	--	--	MG/KG	0.002 U	0.0021 U	0.0026 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.002 U	0.0021 U	0.0026 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.002 U	0.0021 U	0.0026 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.081 U	0.084 U	0.1 U
2,2-Dichloropropane	--	--	--	MG/KG	0.002 U	0.0021 U	0.0026 U
2-Chlorotoluene	--	--	--	MG/KG	0.002 U	0.0021 U	0.0026 U
2-Hexanone	--	--	--	MG/KG	0.01 U	0.01 U	0.013 U
4-Chlorotoluene	--	--	--	MG/KG	0.002 U	0.0021 U	0.0026 U
4-Ethyltoluene	--	--	--	MG/KG	0.002 U	0.0021 U	0.0026 U
Acetone	0.05	100	0.05	MG/KG	0.01 U	0.011	0.0084 J
Acrylonitrile	--	--	--	MG/KG	0.004 U	0.0042 U	0.0051 U
Benzene	0.06	4.8	0.06	MG/KG	0.0005 U	0.00053 U	0.00064 U
Bromobenzene	--	--	--	MG/KG	0.002 U	0.0021 U	0.0026 U
Bromochloromethane	--	--	--	MG/KG	0.002 U	0.0021 U	0.0026 U

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-6	SB-7	SB-7
					12/15/2020	12/21/2021	12/21/2021
Sample Depth (ft bls):					0 - 2	0 - 2	2 - 4
Bromodichloromethane	--	--	--	MG/KG	0.0005 U	0.00053 U	0.00064 U
Bromoform	--	--	--	MG/KG	0.004 U	0.0042 U	0.0051 U
Bromomethane	--	--	--	MG/KG	0.002 U	0.0021 U	0.0026 U
Carbon Disulfide	--	--	--	MG/KG	0.01 U	0.01 U	0.013 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.001 U	0.001 U	0.0013 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0005 U	0.00053 U	0.00064 U
Chloroethane	--	--	--	MG/KG	0.002 U	0.0021 U	0.0026 U
Chloroform	0.37	49	0.37	MG/KG	0.0015 U	0.0016 U	0.0019 U
Chloromethane	--	--	--	MG/KG	0.004 U	0.0042 U	0.0051 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.001 U	0.001 U	0.0013 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.0005 U	0.00053 U	0.00064 U
Cymene	--	--	--	MG/KG	0.001 U	0.001 U	0.0013 U
Dibromochloromethane	--	--	--	MG/KG	0.001 U	0.001 U	0.0013 U
Dibromomethane	--	--	--	MG/KG	0.002 U	0.0021 U	0.0026 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.01 U	0.01 U	0.013 U
Dichloroethylenes	--	--	--	MG/KG	0.001 U	0.001 U	0.0013 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.002 U	0.0021 U	0.0026 U
Ethylbenzene	1	41	1	MG/KG	0.00016 J	0.00036 J	0.00071 J
Hexachlorobutadiene	--	--	--	MG/KG	0.004 U	0.0042 U	0.0051 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.001 U	0.001 U	0.0013 U
m,p-Xylene	--	--	--	MG/KG	0.00074 J	0.0013 J	0.0024 J
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.01 U	0.01 U	0.013 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.01 U	0.01 U	0.013 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.005 U	0.0053 U	0.0064 U
Naphthalene	12	100	12	MG/KG	0.004 U	0.0042 U	0.0051 U
N-Butylbenzene	12	100	12	MG/KG	0.001 U	0.001 U	0.0013 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.001 U	0.001 U	0.0013 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.001 U	0.001 U	0.00049 J
Sec-Butylbenzene	11	100	11	MG/KG	0.001 U	0.001 U	0.0013 U
Styrene	--	--	--	MG/KG	0.001 U	0.001 U	0.0013 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.002 U	0.0021 U	0.0026 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.002 U	0.0021 U	0.0026 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.006	0.00053 U	0.00064 U

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-6	SB-7	SB-7
					Sample Date:	12/15/2020	12/21/2021	12/21/2021
					Sample Depth (ft bls):	0 - 2	0 - 2	2 - 4
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Toluene	0.7	100	0.7	MG/KG	0.001 U	0.001 U	0.0013 U	
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.0005 U	0.00053 U	0.00064 U	
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0015 U	0.0016 U	0.0019 U	
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.001 U	0.001 U	0.0013 U	
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.005 U	0.0053 U	0.0064 U	
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0005 U	0.00053 U	0.00064 U	
Trichlorofluoromethane	--	--	--	MG/KG	0.004 U	0.0042 U	0.0051 U	
Vinyl Acetate	--	--	--	MG/KG	0.01 U	0.01 U	0.013 U	
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.001 U	0.001 U	0.0013 U	
Xylenes	0.26	100	1.6	MG/KG	0.00074 J	0.0013 J	0.0029 J	

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-8	SB-8	SB-9
					12/16/2021	12/16/2021	12/16/2021
					0 - 2	2 - 4	0 - 2
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.0006 U	0.00064 U	0.00064 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0019	0.0011	0.00074
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.0006 U	0.00064 U	0.00064 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0012 U	0.0013 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0012 U	0.0013 U	0.0013 U
1,1-Dichloropropene	--	--	--	MG/KG	0.0006 U	0.00064 U	0.00064 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0026 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0026 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0026 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0026 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0024 U	0.0026 U	0.0026 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0036 U	0.0038 U	0.0038 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0013 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0024 U	0.0026 U	0.0026 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0012 U	0.0013 U	0.0013 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0013 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0024 U	0.0026 U	0.0026 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0024 U	0.0026 U	0.0026 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0026 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0024 U	0.0026 U	0.0026 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0026 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.097 U	0.1 U	0.1 U
2,2-Dichloropropane	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0026 U
2-Chlorotoluene	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0026 U
2-Hexanone	--	--	--	MG/KG	0.012 U	0.013 U	0.013 U
4-Chlorotoluene	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0026 U
4-Ethyltoluene	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0026 U
Acetone	0.05	100	0.05	MG/KG	0.024	0.069	0.023
Acrylonitrile	--	--	--	MG/KG	0.0048 U	0.0051 U	0.0051 U
Benzene	0.06	4.8	0.06	MG/KG	0.0006 U	0.00064 U	0.00064 U
Bromobenzene	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0026 U
Bromochloromethane	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0026 U

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:	SB-8	SB-8	SB-9
					Sample Date:	12/16/2021	12/16/2021	12/16/2021
					Sample Depth (ft bls):	0 - 2	2 - 4	0 - 2
Bromodichloromethane	--	--	--	MG/KG	0.0006 U	0.00064 U	0.00064 U	
Bromoform	--	--	--	MG/KG	0.0048 U	0.0051 U	0.0051 U	
Bromomethane	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0026 U	
Carbon Disulfide	--	--	--	MG/KG	0.012 U	0.013 U	0.013 U	
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0012 U	0.0013 U	0.0013 U	
Chlorobenzene	1.1	100	1.1	MG/KG	0.0006 U	0.00064 U	0.00064 U	
Chloroethane	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0026 U	
Chloroform	0.37	49	0.37	MG/KG	0.0018 U	0.0019 U	0.0019 U	
Chloromethane	--	--	--	MG/KG	0.0048 U	0.0051 U	0.0051 U	
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0012 U	0.0013 U	0.00026 J	
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.0006 U	0.00064 U	0.00064 U	
Cymene	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0013 U	
Dibromochloromethane	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0013 U	
Dibromomethane	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0026 U	
Dichlorodifluoromethane	--	--	--	MG/KG	0.012 U	0.013 U	0.013 U	
Dichloroethylenes	--	--	--	MG/KG	0.0012 U	0.0013 U	0.00026 J	
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0026 U	
Ethylbenzene	1	41	1	MG/KG	0.0012 U	0.0013 U	0.0013 U	
Hexachlorobutadiene	--	--	--	MG/KG	0.0048 U	0.0051 U	0.0051 U	
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0013 U	
m,p-Xylene	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0026 U	
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.012 U	0.013 U	0.013 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.012 U	0.013 U	0.013 U	
Methylene Chloride	0.05	100	0.05	MG/KG	0.006 U	0.0064 U	0.0064 U	
Naphthalene	12	100	12	MG/KG	0.0048 U	0.0051 U	0.0051 U	
N-Butylbenzene	12	100	12	MG/KG	0.0012 U	0.0013 U	0.0013 U	
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0012 U	0.0013 U	0.0013 U	
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0013 U	
Sec-Butylbenzene	11	100	11	MG/KG	0.0012 U	0.0013 U	0.0013 U	
Styrene	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0013 U	
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0024 U	0.0026 U	0.0026 U	
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0024 U	0.0026 U	0.0026 U	
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0024	0.0011	0.0018	

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-8	SB-8	SB-9
					Sample Date:	12/16/2021	12/16/2021	12/16/2021
					Sample Depth (ft bls):	0 - 2	2 - 4	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Toluene	0.7	100	0.7	MG/KG	0.0012 U	0.0013 U	0.0013 U	
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.0006 U	0.00064 U	0.00064 U	
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0018 U	0.0019 U	0.0019 U	
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0013 U	
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.006 U	0.0064 U	0.0064 U	
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.075	0.012	0.18	
Trichlorofluoromethane	--	--	--	MG/KG	0.0048 U	0.0051 U	0.0051 U	
Vinyl Acetate	--	--	--	MG/KG	0.012 U	0.013 U	0.013 U	
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0012 U	0.0013 U	0.0013 U	
Xylenes	0.26	100	1.6	MG/KG	0.0012 U	0.0013 U	0.0013 U	

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-9	SB-10	SB-10
					12/16/2021	12/21/2021	12/21/2021
					2 - 4	0 - 2	2 - 4
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.00059 U	0.00069 U	0.00056 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.00059 U	0.00069 U	0.00056 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.00059 U	0.00069 U	0.00056 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0012 U	0.0014 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0012 U	0.0014 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0012 U	0.0014 U	0.0011 U
1,1-Dichloropropene	--	--	--	MG/KG	0.00059 U	0.00069 U	0.00056 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0024 U	0.0028 U	0.0022 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0024 U	0.0028 U	0.0022 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0024 U	0.0028 U	0.0022 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0024 U	0.0028 U	0.0022 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0024 U	0.0028 U	0.0022 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0035 U	0.0042 U	0.0034 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0012 U	0.0014 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0024 U	0.0028 U	0.0022 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0012 U	0.0014 U	0.0011 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0012 U	0.0014 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0024 U	0.0028 U	0.0022 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0024 U	0.0028 U	0.0022 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0024 U	0.0028 U	0.0022 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0024 U	0.0028 U	0.0022 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0024 U	0.0028 U	0.0022 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.094 U	0.11 U	0.09 U
2,2-Dichloropropane	--	--	--	MG/KG	0.0024 U	0.0028 U	0.0022 U
2-Chlorotoluene	--	--	--	MG/KG	0.0024 U	0.0028 U	0.0022 U
2-Hexanone	--	--	--	MG/KG	0.012 U	0.014 U	0.011 U
4-Chlorotoluene	--	--	--	MG/KG	0.0024 U	0.0028 U	0.0022 U
4-Ethyltoluene	--	--	--	MG/KG	0.0024 U	0.0028 U	0.0022 U
Acetone	0.05	100	0.05	MG/KG	0.032	0.026	0.011
Acrylonitrile	--	--	--	MG/KG	0.0047 U	0.0056 U	0.0045 U
Benzene	0.06	4.8	0.06	MG/KG	0.00059 U	0.00069 U	0.00056 U
Bromobenzene	--	--	--	MG/KG	0.0024 U	0.0028 U	0.0022 U
Bromochloromethane	--	--	--	MG/KG	0.0024 U	0.0028 U	0.0022 U

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-9	SB-10	SB-10
					12/16/2021	12/21/2021	12/21/2021
					2 - 4	0 - 2	2 - 4
Bromodichloromethane	--	--	--	MG/KG	0.00059 U	0.00069 U	0.00056 U
Bromoform	--	--	--	MG/KG	0.0047 U	0.0056 U	0.0045 U
Bromomethane	--	--	--	MG/KG	0.0024 U	0.0028 U	0.0022 U
Carbon Disulfide	--	--	--	MG/KG	0.012 U	0.014 U	0.011 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0012 U	0.0014 U	0.0011 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.00059 U	0.00069 U	0.00056 U
Chloroethane	--	--	--	MG/KG	0.0024 U	0.0028 U	0.0022 U
Chloroform	0.37	49	0.37	MG/KG	0.0018 U	0.0021 U	0.0017 U
Chloromethane	--	--	--	MG/KG	0.0047 U	0.0056 U	0.0045 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0012 U	0.0014 U	0.0011 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.00059 U	0.00069 U	0.00056 U
Cymene	--	--	--	MG/KG	0.0012 U	0.0014 U	0.0011 U
Dibromochloromethane	--	--	--	MG/KG	0.0012 U	0.0014 U	0.0011 U
Dibromomethane	--	--	--	MG/KG	0.0024 U	0.0028 U	0.0022 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.012 U	0.014 U	0.011 U
Dichloroethylenes	--	--	--	MG/KG	0.0012 U	0.0014 U	0.0011 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0024 U	0.0028 U	0.0022 U
Ethylbenzene	1	41	1	MG/KG	0.0012 U	0.0014 U	0.00035 J
Hexachlorobutadiene	--	--	--	MG/KG	0.0047 U	0.0056 U	0.0045 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0012 U	0.0014 U	0.0011 U
m,p-Xylene	--	--	--	MG/KG	0.0024 U	0.0028 U	0.0014 J
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.012 U	0.014 U	0.011 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.012 U	0.014 U	0.011 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0059 U	0.0069 U	0.0056 U
Naphthalene	12	100	12	MG/KG	0.0047 U	0.0056 U	0.0045 U
N-Butylbenzene	12	100	12	MG/KG	0.0012 U	0.0014 U	0.0011 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0012 U	0.0014 U	0.0011 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0012 U	0.0014 U	0.0011 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0012 U	0.0014 U	0.0011 U
Styrene	--	--	--	MG/KG	0.0012 U	0.0014 U	0.0011 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0024 U	0.0028 U	0.0022 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0024 U	0.0028 U	0.0022 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.00059 U	0.00069 U	0.00056 U

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-9	SB-10	SB-10
					Sample Date:	12/16/2021	12/21/2021	12/21/2021
					Sample Depth (ft bls):	2 - 4	0 - 2	2 - 4
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Toluene	0.7	100	0.7	MG/KG	0.0012 U	0.0014 U	0.0011 U	
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.00059 U	0.00069 U	0.00056 U	
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0018 U	0.0021 U	0.0017 U	
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0012 U	0.0014 U	0.0011 U	
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0059 U	0.0069 U	0.0056 U	
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.018	0.0079	0.001	
Trichlorofluoromethane	--	--	--	MG/KG	0.0047 U	0.0056 U	0.0045 U	
Vinyl Acetate	--	--	--	MG/KG	0.012 U	0.014 U	0.011 U	
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0012 U	0.0014 U	0.0011 U	
Xylenes	0.26	100	1.6	MG/KG	0.0012 U	0.0014 U	0.0014 J	

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:	SB-11	SB-11	SB-12
					Sample Date:	12/21/2021	12/21/2021	12/13/2021
					Sample Depth (ft bls):	0 - 2	10 - 12	0 - 2
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.00068 U	0.00061 U	0.00066 U	
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.00068 U	0.00061 U	0.00066 U	
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.00068 U	0.00061 U	0.00066 U	
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0014 U	0.0012 U	0.0013 U	
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0014 U	0.0012 U	0.0013 U	
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0014 U	0.0012 U	0.0013 U	
1,1-Dichloropropene	--	--	--	MG/KG	0.00068 U	0.00061 U	0.00066 U	
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0027 U	0.0024 U	0.0026 U	
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0027 U	0.0024 U	0.0026 U	
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0027 U	0.0024 U	0.0026 U	
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0027 U	0.0024 U	0.0026 U	
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.00053 J	0.0024 U	0.0026 U	
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0041 U	0.0037 U	0.004 U	
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0014 U	0.0012 U	0.0013 U	
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0027 U	0.0024 U	0.0026 U	
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0014 U	0.0012 U	0.0013 U	
1,2-Dichloropropane	--	--	--	MG/KG	0.0014 U	0.0012 U	0.0013 U	
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0027 U	0.0024 U	0.0026 U	
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0027 U	0.0024 U	0.0026 U	
1,3-Dichloropropane	--	--	--	MG/KG	0.0027 U	0.0024 U	0.0026 U	
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0027 U	0.0024 U	0.0026 U	
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0027 U	0.0024 U	0.0026 U	
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.11 U	0.098 U	0.1 U	
2,2-Dichloropropane	--	--	--	MG/KG	0.0027 U	0.0024 U	0.0026 U	
2-Chlorotoluene	--	--	--	MG/KG	0.0027 U	0.0024 U	0.0026 U	
2-Hexanone	--	--	--	MG/KG	0.014 U	0.012 U	0.013 U	
4-Chlorotoluene	--	--	--	MG/KG	0.0027 U	0.0024 U	0.0026 U	
4-Ethyltoluene	--	--	--	MG/KG	0.0027 U	0.0024 U	0.0026 U	
Acetone	0.05	100	0.05	MG/KG	0.0079 J	0.0085 J	0.032	
Acrylonitrile	--	--	--	MG/KG	0.0054 U	0.0049 U	0.0053 U	
Benzene	0.06	4.8	0.06	MG/KG	0.00068 U	0.00061 U	0.00066 U	
Bromobenzene	--	--	--	MG/KG	0.0027 U	0.0024 U	0.0026 U	
Bromochloromethane	--	--	--	MG/KG	0.0027 U	0.0024 U	0.0026 U	

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-11	SB-11	SB-12
					12/21/2021	12/21/2021	12/13/2021
					0 - 2	10 - 12	0 - 2
Bromodichloromethane	--	--	--	MG/KG	0.00068 U	0.00061 U	0.00066 U
Bromoform	--	--	--	MG/KG	0.0054 U	0.0049 U	0.0053 U
Bromomethane	--	--	--	MG/KG	0.0027 U	0.0024 U	0.0026 U
Carbon Disulfide	--	--	--	MG/KG	0.014 U	0.012 U	0.013 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0014 U	0.0012 U	0.0013 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.00068 U	0.00061 U	0.00066 U
Chloroethane	--	--	--	MG/KG	0.0027 U	0.0024 U	0.0026 U
Chloroform	0.37	49	0.37	MG/KG	0.002 U	0.0018 U	0.002 U
Chloromethane	--	--	--	MG/KG	0.0054 U	0.0049 U	0.0053 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0014 U	0.0012 U	0.0013 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.00068 U	0.00061 U	0.00066 U
Cymene	--	--	--	MG/KG	0.0014 U	0.0012 U	0.0013 U
Dibromochloromethane	--	--	--	MG/KG	0.0014 U	0.0012 U	0.0013 U
Dibromomethane	--	--	--	MG/KG	0.0027 U	0.0024 U	0.0026 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.014 U	0.012 U	0.013 U
Dichloroethylenes	--	--	--	MG/KG	0.0014 U	0.0012 U	0.0013 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0027 U	0.0024 U	0.0026 U
Ethylbenzene	1	41	1	MG/KG	0.0014 U	0.00052 J	0.00033 J
Hexachlorobutadiene	--	--	--	MG/KG	0.0054 U	0.0049 U	0.0053 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0014 U	0.0012 U	0.0013 U
m,p-Xylene	--	--	--	MG/KG	0.0012 J	0.0016 J	0.001 J
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.014 U	0.012 U	0.013 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.014 U	0.012 U	0.013 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0068 U	0.0061 U	0.0066 U
Naphthalene	12	100	12	MG/KG	0.0054 U	0.0049 U	0.00094 J
N-Butylbenzene	12	100	12	MG/KG	0.0014 U	0.0012 U	0.0013 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0014 U	0.0012 U	0.0013 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0014 U	0.00036 J	0.0013 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0014 U	0.0012 U	0.0013 U
Styrene	--	--	--	MG/KG	0.0014 U	0.0012 U	0.0013 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0027 U	0.0024 U	0.0026 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0027 U	0.0024 U	0.0026 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.00068 U	0.00061 U	0.00066 U

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-11	SB-11	SB-12
					Sample Date:	12/21/2021	12/21/2021	12/13/2021
					Sample Depth (ft bls):	0 - 2	10 - 12	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Toluene	0.7	100	0.7	MG/KG	0.0014 U	0.0012 U	0.0013 U	
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.00068 U	0.00061 U	0.00066 U	
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.002 U	0.0018 U	0.002 U	
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0014 U	0.0012 U	0.0013 U	
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0068 U	0.0061 U	0.0066 U	
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0086	0.0033	0.00066 U	
Trichlorofluoromethane	--	--	--	MG/KG	0.0054 U	0.0049 U	0.0053 U	
Vinyl Acetate	--	--	--	MG/KG	0.014 U	0.012 U	0.013 U	
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0014 U	0.0012 U	0.0013 U	
Xylenes	0.26	100	1.6	MG/KG	0.0012 J	0.002 J	0.001 J	

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-12	SB-13	SB-13
					12/13/2021	12/13/2021	12/13/2021
					5 - 7	0 - 2	5 - 7
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.0006 U	0.00064 U	0.00057 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0006 U	0.00064 U	0.00057 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.0006 U	0.00064 U	0.00057 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0012 U	0.0013 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0012 U	0.0013 U	0.0011 U
1,1-Dichloropropene	--	--	--	MG/KG	0.0006 U	0.00064 U	0.00057 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0023 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0023 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0023 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0023 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0024 U	0.0026 U	0.0023 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0036 U	0.0038 U	0.0034 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0024 U	0.0026 U	0.0023 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0012 U	0.0013 U	0.0011 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0024 U	0.0026 U	0.0023 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0024 U	0.0026 U	0.0023 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0023 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0024 U	0.0026 U	0.0023 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0023 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.095 U	0.1 U	0.091 U
2,2-Dichloropropane	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0023 U
2-Chlorotoluene	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0023 U
2-Hexanone	--	--	--	MG/KG	0.012 U	0.013 U	0.011 U
4-Chlorotoluene	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0023 U
4-Ethyltoluene	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0023 U
Acetone	0.05	100	0.05	MG/KG	0.15	0.025	0.011 U
Acrylonitrile	--	--	--	MG/KG	0.0048 U	0.0051 U	0.0045 U
Benzene	0.06	4.8	0.06	MG/KG	0.0006 U	0.00064 U	0.00057 U
Bromobenzene	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0023 U
Bromochloromethane	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0023 U

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-12	SB-13	SB-13
					12/13/2021	12/13/2021	12/13/2021
					5 - 7	0 - 2	5 - 7
Bromodichloromethane	--	--	--	MG/KG	0.0006 U	0.00064 U	0.00057 U
Bromoform	--	--	--	MG/KG	0.0048 U	0.0051 U	0.0045 U
Bromomethane	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0023 U
Carbon Disulfide	--	--	--	MG/KG	0.012 U	0.013 U	0.011 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0012 U	0.0013 U	0.0011 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0006 U	0.00064 U	0.00057 U
Chloroethane	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0023 U
Chloroform	0.37	49	0.37	MG/KG	0.0018 U	0.0019 U	0.0017 U
Chloromethane	--	--	--	MG/KG	0.0048 U	0.0051 U	0.0045 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0012 U	0.0013 U	0.0011 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.0006 U	0.00064 U	0.00057 U
Cymene	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0011 U
Dibromochloromethane	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0011 U
Dibromomethane	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0023 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.012 U	0.013 U	0.011 U
Dichloroethylenes	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0011 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0024 U	0.0026 U	0.0023 U
Ethylbenzene	1	41	1	MG/KG	0.00029 J	0.0013 U	0.0003 J
Hexachlorobutadiene	--	--	--	MG/KG	0.0048 U	0.0051 U	0.0045 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0011 U
m,p-Xylene	--	--	--	MG/KG	0.00078 J	0.0026 U	0.0016 J
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.035	0.013 U	0.011 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.012 U	0.013 U	0.011 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.006 U	0.0064 U	0.0057 U
Naphthalene	12	100	12	MG/KG	0.0048 U	0.0051 U	0.0045 U
N-Butylbenzene	12	100	12	MG/KG	0.0012 U	0.0013 U	0.0011 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0012 U	0.0013 U	0.0011 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0012 U	0.0013 U	0.00056 J
Sec-Butylbenzene	11	100	11	MG/KG	0.0012 U	0.0013 U	0.0011 U
Styrene	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0011 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0024 U	0.0026 U	0.0023 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0024 U	0.0026 U	0.0023 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0006 U	0.00064 U	0.00057 U

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-12	SB-13	SB-13
					Sample Date:	12/13/2021	12/13/2021	12/13/2021
					Sample Depth (ft bls):	5 - 7	0 - 2	5 - 7
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Toluene	0.7	100	0.7	MG/KG	0.0012 U	0.0013 U	0.0011 U	
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.0006 U	0.00064 U	0.00057 U	
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0018 U	0.0019 U	0.0017 U	
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0011 U	
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.006 U	0.0064 U	0.0057 U	
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0006 U	0.00064 U	0.00057 U	
Trichlorofluoromethane	--	--	--	MG/KG	0.0048 U	0.0051 U	0.0045 U	
Vinyl Acetate	--	--	--	MG/KG	0.012 U	0.013 U	0.011 U	
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0012 U	0.0013 U	0.0011 U	
Xylenes	0.26	100	1.6	MG/KG	0.00078 J	0.0013 U	0.0022 J	

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-14	SB-14	SB-15
					12/14/2021	12/14/2021	12/13/2021
					0 - 2	3 - 5	0 - 2
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.00057 U	0.00058 U	0.00073 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.00057 U	0.00058 U	0.00073 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.00057 U	0.00058 U	0.00073 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0011 U	0.0012 U	0.0015 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0011 U	0.0012 U	0.0015 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0011 U	0.0012 U	0.0015 U
1,1-Dichloropropene	--	--	--	MG/KG	0.00057 U	0.00058 U	0.00073 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0029 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0029 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0029 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0029 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0023 U	0.0023 U	0.0029 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0034 U	0.0035 U	0.0044 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0011 U	0.0012 U	0.0015 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0023 U	0.0023 U	0.0029 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0011 U	0.0012 U	0.0015 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0011 U	0.0012 U	0.0015 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0023 U	0.0023 U	0.0029 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0023 U	0.0023 U	0.0029 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0029 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0023 U	0.0023 U	0.0029 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0029 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.091 U	0.092 U	0.12 U
2,2-Dichloropropane	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0029 U
2-Chlorotoluene	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0029 U
2-Hexanone	--	--	--	MG/KG	0.011 U	0.012 U	0.015 U
4-Chlorotoluene	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0029 U
4-Ethyltoluene	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0029 U
Acetone	0.05	100	0.05	MG/KG	0.011 U	0.012 U	0.015 U
Acrylonitrile	--	--	--	MG/KG	0.0046 U	0.0046 U	0.0058 U
Benzene	0.06	4.8	0.06	MG/KG	0.00057 U	0.00058 U	0.00073 U
Bromobenzene	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0029 U
Bromochloromethane	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0029 U

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-14	SB-14	SB-15
					12/14/2021	12/14/2021	12/13/2021
					0 - 2	3 - 5	0 - 2
Bromodichloromethane	--	--	--	MG/KG	0.00057 U	0.00058 U	0.00073 U
Bromoform	--	--	--	MG/KG	0.0046 U	0.0046 U	0.0058 U
Bromomethane	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0029 U
Carbon Disulfide	--	--	--	MG/KG	0.011 U	0.012 U	0.015 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0011 U	0.0012 U	0.0015 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.00057 U	0.00058 U	0.00073 U
Chloroethane	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0029 U
Chloroform	0.37	49	0.37	MG/KG	0.0017 U	0.0017 U	0.0022 U
Chloromethane	--	--	--	MG/KG	0.0046 U	0.0046 U	0.0058 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0011 U	0.0012 U	0.0015 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.00057 U	0.00058 U	0.00073 U
Cymene	--	--	--	MG/KG	0.0011 U	0.0012 U	0.0015 U
Dibromochloromethane	--	--	--	MG/KG	0.0011 U	0.0012 U	0.0015 U
Dibromomethane	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0029 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.011 U	0.012 U	0.015 U
Dichloroethylenes	--	--	--	MG/KG	0.0011 U	0.0012 U	0.0015 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0023 U	0.0023 U	0.0029 U
Ethylbenzene	1	41	1	MG/KG	0.00049 J	0.00048 J	0.00024 J
Hexachlorobutadiene	--	--	--	MG/KG	0.0046 U	0.0046 U	0.0058 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0011 U	0.0012 U	0.0015 U
m,p-Xylene	--	--	--	MG/KG	0.0015 J	0.0016 J	0.0029 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.011 U	0.012 U	0.015 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.011 U	0.012 U	0.015 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0057 U	0.0058 U	0.0073 U
Naphthalene	12	100	12	MG/KG	0.0046 U	0.0046 U	0.0058 U
N-Butylbenzene	12	100	12	MG/KG	0.0011 U	0.0012 U	0.0015 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0011 U	0.0012 U	0.0015 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0004 J	0.00038 J	0.0015 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0011 U	0.0012 U	0.0015 U
Styrene	--	--	--	MG/KG	0.0011 U	0.0012 U	0.0015 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0023 U	0.0023 U	0.0029 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0023 U	0.0023 U	0.0029 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.00057 U	0.00058 U	0.00096

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-14	SB-14	SB-15
					Sample Date:	12/14/2021	12/14/2021	12/13/2021
					Sample Depth (ft bls):	0 - 2	3 - 5	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Toluene	0.7	100	0.7	MG/KG	0.0011 U	0.0012 U	0.0015 U	
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.00057 U	0.00058 U	0.00073 U	
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0017 U	0.0017 U	0.0022 U	
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0011 U	0.0012 U	0.0015 U	
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0057 U	0.0058 U	0.0073 U	
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.00057 U	0.00058 U	0.00073 U	
Trichlorofluoromethane	--	--	--	MG/KG	0.0046 U	0.0046 U	0.0058 U	
Vinyl Acetate	--	--	--	MG/KG	0.011 U	0.012 U	0.015 U	
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0011 U	0.0012 U	0.0015 U	
Xylenes	0.26	100	1.6	MG/KG	0.0019 J	0.002 J	0.0015 U	

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-15	SB-16	SB-16
					12/13/2021	12/14/2021	12/14/2021
Sample Depth (ft bls):					6 - 8	0 - 2	4 - 6
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.00061 U	0.00058 U	0.00061 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.00061 U	0.00058 U	0.00061 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.00061 U	0.00058 U	0.00061 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0012 U	0.0012 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0012 U	0.0012 U	0.0012 U
1,1-Dichloropropene	--	--	--	MG/KG	0.00061 U	0.00058 U	0.00061 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0024 U	0.0023 U	0.0024 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0024 U	0.0023 U	0.0024 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0024 U	0.0023 U	0.0024 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0024 U	0.0023 U	0.0024 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0024 U	0.0023 U	0.0024 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0036 U	0.0035 U	0.0036 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0024 U	0.0023 U	0.0024 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0012 U	0.0012 U	0.0012 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0024 U	0.0023 U	0.0024 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0024 U	0.0023 U	0.0024 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0024 U	0.0023 U	0.0024 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0024 U	0.0023 U	0.0024 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0024 U	0.0023 U	0.0024 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.097 U	0.093 U	0.097 U
2,2-Dichloropropane	--	--	--	MG/KG	0.0024 U	0.0023 U	0.0024 U
2-Chlorotoluene	--	--	--	MG/KG	0.0024 U	0.0023 U	0.0024 U
2-Hexanone	--	--	--	MG/KG	0.012 U	0.012 U	0.012 U
4-Chlorotoluene	--	--	--	MG/KG	0.0024 U	0.0023 U	0.0024 U
4-Ethyltoluene	--	--	--	MG/KG	0.0024 U	0.0023 U	0.0024 U
Acetone	0.05	100	0.05	MG/KG	0.017	0.013	0.012 U
Acrylonitrile	--	--	--	MG/KG	0.0048 U	0.0046 U	0.0049 U
Benzene	0.06	4.8	0.06	MG/KG	0.00061 U	0.00058 U	0.00061 U
Bromobenzene	--	--	--	MG/KG	0.0024 U	0.0023 U	0.0024 U
Bromochloromethane	--	--	--	MG/KG	0.0024 U	0.0023 U	0.0024 U

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-15	SB-16	SB-16
					12/13/2021	12/14/2021	12/14/2021
Sample Depth (ft bls):					6 - 8	0 - 2	4 - 6
Bromodichloromethane	--	--	--	MG/KG	0.00061 U	0.00058 U	0.00061 U
Bromoform	--	--	--	MG/KG	0.0048 U	0.0046 U	0.0049 U
Bromomethane	--	--	--	MG/KG	0.0024 U	0.0023 U	0.0024 U
Carbon Disulfide	--	--	--	MG/KG	0.012 U	0.012 U	0.012 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0012 U	0.0012 U	0.0012 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.00061 U	0.00058 U	0.00061 U
Chloroethane	--	--	--	MG/KG	0.0024 U	0.0023 U	0.0024 U
Chloroform	0.37	49	0.37	MG/KG	0.0018 U	0.0017 U	0.0018 U
Chloromethane	--	--	--	MG/KG	0.0048 U	0.0046 U	0.0049 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0012 U	0.0012 U	0.0012 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.00061 U	0.00058 U	0.00061 U
Cymene	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0012 U
Dibromochloromethane	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0012 U
Dibromomethane	--	--	--	MG/KG	0.0024 U	0.0023 U	0.0024 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.012 U	0.012 U	0.012 U
Dichloroethylenes	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0012 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0024 U	0.0023 U	0.0024 U
Ethylbenzene	1	41	1	MG/KG	0.00026 J	0.00035 J	0.00023 J
Hexachlorobutadiene	--	--	--	MG/KG	0.0048 U	0.0046 U	0.0049 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0012 U
m,p-Xylene	--	--	--	MG/KG	0.0024 U	0.0012 J	0.00075 J
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.012 U	0.012 U	0.012 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.012 U	0.012 U	0.012 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0061 U	0.0048 J	0.003 J
Naphthalene	12	100	12	MG/KG	0.0048 U	0.0046 U	0.0049 U
N-Butylbenzene	12	100	12	MG/KG	0.0012 U	0.0012 U	0.0012 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0012 U	0.0012 U	0.0012 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0012 U	0.00035 J	0.0012 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0012 U	0.0012 U	0.0012 U
Styrene	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0012 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0024 U	0.0023 U	0.0024 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0024 U	0.0023 U	0.0024 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.00063	0.00058 U	0.00061 U

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-15	SB-16	SB-16
					Sample Date:	12/13/2021	12/14/2021	12/14/2021
					Sample Depth (ft bls):	6 - 8	0 - 2	4 - 6
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Toluene	0.7	100	0.7	MG/KG	0.0012 U	0.0012 U	0.0012 U	
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.00061 U	0.00058 U	0.00061 U	
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0018 U	0.0017 U	0.0018 U	
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0012 U	
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0061 U	0.0058 U	0.0061 U	
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.00061 U	0.00058 U	0.00061 U	
Trichlorofluoromethane	--	--	--	MG/KG	0.0048 U	0.0046 U	0.0049 U	
Vinyl Acetate	--	--	--	MG/KG	0.012 U	0.012 U	0.012 U	
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0012 U	0.0012 U	0.0012 U	
Xylenes	0.26	100	1.6	MG/KG	0.0012 U	0.0016 J	0.00075 J	

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-17	SB-17	SB-18
					12/13/2021	12/13/2021	12/16/2021
					0 - 2	21 - 23	0 - 2
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.00059 U	0.00055 U	0.037 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.00059 U	0.00055 U	0.037 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.00059 U	0.00055 U	0.037 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0012 U	0.0011 U	0.073 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0012 U	0.0011 U	0.073 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0012 U	0.0011 U	0.073 U
1,1-Dichloropropene	--	--	--	MG/KG	0.00059 U	0.00055 U	0.037 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0024 U	0.0022 U	0.15 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0024 U	0.0022 U	0.15 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0024 U	0.0022 U	0.15 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0024 U	0.0022 U	0.15 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0024 U	0.0022 U	0.15 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0035 U	0.0033 U	0.22 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0012 U	0.0011 U	0.073 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0024 U	0.0022 U	0.15 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0012 U	0.0011 U	0.073 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0012 U	0.0011 U	0.073 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0024 U	0.0022 U	0.15 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0024 U	0.0022 U	0.15 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0024 U	0.0022 U	0.15 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0024 U	0.0022 U	0.15 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0024 U	0.0022 U	0.15 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.094 U	0.087 U	5.9 U
2,2-Dichloropropane	--	--	--	MG/KG	0.0024 U	0.0022 U	0.15 U
2-Chlorotoluene	--	--	--	MG/KG	0.0024 U	0.0022 U	0.15 U
2-Hexanone	--	--	--	MG/KG	0.012 U	0.011 U	0.73 U
4-Chlorotoluene	--	--	--	MG/KG	0.0024 U	0.0022 U	0.15 U
4-Ethyltoluene	--	--	--	MG/KG	0.0024 U	0.0022 U	0.15 U
Acetone	0.05	100	0.05	MG/KG	0.013	0.018	0.42 J
Acrylonitrile	--	--	--	MG/KG	0.0047 U	0.0044 U	0.29 U
Benzene	0.06	4.8	0.06	MG/KG	0.00059 U	0.00055 U	0.037 U
Bromobenzene	--	--	--	MG/KG	0.0024 U	0.0022 U	0.15 U
Bromochloromethane	--	--	--	MG/KG	0.0024 U	0.0022 U	0.15 U

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-17	SB-17	SB-18
					12/13/2021	12/13/2021	12/16/2021
					0 - 2	21 - 23	0 - 2
Bromodichloromethane	--	--	--	MG/KG	0.00059 U	0.00055 U	0.037 U
Bromoform	--	--	--	MG/KG	0.0047 U	0.0044 U	0.29 U
Bromomethane	--	--	--	MG/KG	0.0024 U	0.0022 U	0.15 U
Carbon Disulfide	--	--	--	MG/KG	0.012 U	0.011 U	0.73 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0012 U	0.0011 U	0.073 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.00059 U	0.00055 U	0.037 U
Chloroethane	--	--	--	MG/KG	0.0024 U	0.0022 U	0.15 U
Chloroform	0.37	49	0.37	MG/KG	0.00023 J	0.00019 J	0.11 U
Chloromethane	--	--	--	MG/KG	0.0047 U	0.0044 U	0.29 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0012 U	0.0011 U	0.073 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.00059 U	0.00055 U	0.037 U
Cymene	--	--	--	MG/KG	0.0012 U	0.0011 U	0.073 U
Dibromochloromethane	--	--	--	MG/KG	0.0012 U	0.0011 U	0.073 U
Dibromomethane	--	--	--	MG/KG	0.0024 U	0.0022 U	0.15 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.012 U	0.011 U	0.73 U
Dichloroethylenes	--	--	--	MG/KG	0.0012 U	0.0011 U	0.073 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0024 U	0.0022 U	0.15 U
Ethylbenzene	1	41	1	MG/KG	0.00022 J	0.00054 J	0.073 U
Hexachlorobutadiene	--	--	--	MG/KG	0.0047 U	0.0044 U	0.29 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0012 U	0.0011 U	0.073 U
m,p-Xylene	--	--	--	MG/KG	0.0024 U	0.0017 J	0.15 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.012 U	0.011 U	0.73 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.012 U	0.011 U	0.73 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0059 U	0.0055 U	0.37 U
Naphthalene	12	100	12	MG/KG	0.0047 U	0.0044 U	0.052 J
N-Butylbenzene	12	100	12	MG/KG	0.0012 U	0.0011 U	0.073 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0012 U	0.0011 U	0.073 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0012 U	0.00062 J	0.073 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0012 U	0.0011 U	0.073 U
Styrene	--	--	--	MG/KG	0.0008 J	0.0011 U	0.073 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0024 U	0.0022 U	0.15 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0024 U	0.0022 U	0.15 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0015	0.00021 J	0.57

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-17	SB-17	SB-18
					12/13/2021	12/13/2021	12/16/2021
					0 - 2	21 - 23	0 - 2
Toluene	0.7	100	0.7	MG/KG	0.0012 U	0.0011 U	0.073 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.00059 U	0.00055 U	0.037 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0018 U	0.0016 U	0.11 U
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0012 U	0.0011 U	0.073 U
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0059 U	0.0055 U	0.37 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.00024 J	0.00055 U	0.39
Trichlorofluoromethane	--	--	--	MG/KG	0.0047 U	0.0044 U	0.29 U
Vinyl Acetate	--	--	--	MG/KG	0.012 U	0.011 U	0.73 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0012 U	0.0011 U	0.073 U
Xylenes	0.26	100	1.6	MG/KG	0.0012 U	0.0023 J	0.073 U

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-18	SB-19	SB-19
					12/16/2021	12/15/2021	12/15/2021
					Sample Depth (ft bls):	4 - 6	0 - 2
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.00058 U	0.059 U	0.00061 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.00058 U	0.26	0.00061 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.00058 U	0.059 U	0.00061 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0012 U	0.12 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0012 U	0.082 J	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0012 U	0.12 U	0.0012 U
1,1-Dichloropropene	--	--	--	MG/KG	0.00058 U	0.059 U	0.00061 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0023 U	0.24 U	0.0024 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0023 U	0.24 U	0.0024 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0023 U	0.24 U	0.0024 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0023 U	0.24 U	0.0024 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0023 U	0.24 U	0.0024 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0035 U	0.35 U	0.0037 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0012 U	0.12 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0023 U	0.24 U	0.0024 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0012 U	0.12 U	0.0012 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0012 U	0.12 U	0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0023 U	0.24 U	0.0024 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0023 U	0.24 U	0.0024 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0023 U	0.24 U	0.0024 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0023 U	0.24 U	0.0024 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0023 U	0.24 U	0.0024 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.093 U	9.4 U	0.098 U
2,2-Dichloropropane	--	--	--	MG/KG	0.0023 U	0.24 U	0.0024 U
2-Chlorotoluene	--	--	--	MG/KG	0.0023 U	0.24 U	0.0024 U
2-Hexanone	--	--	--	MG/KG	0.012 U	1.2 U	0.012 U
4-Chlorotoluene	--	--	--	MG/KG	0.0023 U	0.24 U	0.0024 U
4-Ethyltoluene	--	--	--	MG/KG	0.0023 U	0.24 U	0.0024 U
Acetone	0.05	100	0.05	MG/KG	0.023	1.2 U	0.0065 J
Acrylonitrile	--	--	--	MG/KG	0.0046 U	0.47 U	0.0049 U
Benzene	0.06	4.8	0.06	MG/KG	0.00058 U	0.059 U	0.00061 U
Bromobenzene	--	--	--	MG/KG	0.0023 U	0.24 U	0.0024 U
Bromochloromethane	--	--	--	MG/KG	0.0023 U	0.24 U	0.0024 U

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-18	SB-19	SB-19
					12/16/2021	12/15/2021	12/15/2021
					Sample Depth (ft bls):	4 - 6	0 - 2
Bromodichloromethane	--	--	--	MG/KG	0.00058 U	0.059 U	0.00061 U
Bromoform	--	--	--	MG/KG	0.0046 U	0.47 U	0.0049 U
Bromomethane	--	--	--	MG/KG	0.0023 U	0.24 U	0.0024 U
Carbon Disulfide	--	--	--	MG/KG	0.012 U	1.2 U	0.012 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0012 U	0.12 U	0.0012 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.00058 U	0.059 U	0.00061 U
Chloroethane	--	--	--	MG/KG	0.0023 U	0.24 U	0.0024 U
Chloroform	0.37	49	0.37	MG/KG	0.0017 U	0.023 J	0.0018 U
Chloromethane	--	--	--	MG/KG	0.0046 U	0.47 U	0.0049 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0012 U	0.12 U	0.0012 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.00058 U	0.059 U	0.00061 U
Cymene	--	--	--	MG/KG	0.0012 U	0.12 U	0.0012 U
Dibromochloromethane	--	--	--	MG/KG	0.0012 U	0.12 U	0.0012 U
Dibromomethane	--	--	--	MG/KG	0.0023 U	0.24 U	0.0024 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.012 U	1.2 U	0.012 U
Dichloroethylenes	--	--	--	MG/KG	0.0012 U	0.12 U	0.0012 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0023 U	0.24 U	0.0024 U
Ethylbenzene	1	41	1	MG/KG	0.0012 U	0.12 U	0.0012 U
Hexachlorobutadiene	--	--	--	MG/KG	0.0046 U	0.47 U	0.0049 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0012 U	0.12 U	0.0012 U
m,p-Xylene	--	--	--	MG/KG	0.0023 U	0.24 U	0.0024 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.012 U	1.2 U	0.012 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.012 U	1.2 U	0.012 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0058 U	0.59 U	0.0061 U
Naphthalene	12	100	12	MG/KG	0.0046 U	0.088 J	0.0049 U
N-Butylbenzene	12	100	12	MG/KG	0.0012 U	0.12 U	0.0012 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0012 U	0.12 U	0.0012 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0012 U	0.12 U	0.0012 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0012 U	0.12 U	0.0012 U
Styrene	--	--	--	MG/KG	0.0012 U	0.12 U	0.0012 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0023 U	0.24 U	0.0024 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0023 U	0.24 U	0.0024 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.019	0.27	0.00061 U

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-18	SB-19	SB-19
					Sample Date:	12/16/2021	12/15/2021	12/15/2021
					Sample Depth (ft bls):	4 - 6	0 - 2	8 - 10
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Toluene	0.7	100	0.7	MG/KG	0.0007 J	0.12 U	0.0012 U	
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.00058 U	0.059 U	0.00061 U	
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0017 U	0.18 U	0.0018 U	
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0012 U	0.12 U	0.0012 U	
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0058 U	0.59 U	0.0061 U	
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.029	11	0.00061 U	
Trichlorofluoromethane	--	--	--	MG/KG	0.0046 U	0.47 U	0.0049 U	
Vinyl Acetate	--	--	--	MG/KG	0.012 U	1.2 U	0.012 U	
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0012 U	0.12 U	0.0012 U	
Xylenes	0.26	100	1.6	MG/KG	0.0012 U	0.12 U	0.0012 U	

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:	
					SB-20	SB-20
					12/21/2021	12/21/2021
					0 - 2	3 - 5
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.00066 U	0.00081 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.00066 U	0.00081 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.00066 U	0.00081 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0013 U	0.0016 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0013 U	0.0016 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0013 U	0.0016 U
1,1-Dichloropropene	--	--	--	MG/KG	0.00066 U	0.00081 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0026 U	0.0032 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0026 U	0.0032 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0026 U	0.0032 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0026 U	0.0032 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0026 U	0.0032 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0039 U	0.0049 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0013 U	0.0016 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0026 U	0.0032 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0013 U	0.0016 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0013 U	0.0016 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0026 U	0.0032 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0026 U	0.0032 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0026 U	0.0032 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0026 U	0.0032 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0026 U	0.0032 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.1 U	0.13 U
2,2-Dichloropropane	--	--	--	MG/KG	0.0026 U	0.0032 U
2-Chlorotoluene	--	--	--	MG/KG	0.0026 U	0.0032 U
2-Hexanone	--	--	--	MG/KG	0.013 U	0.016 U
4-Chlorotoluene	--	--	--	MG/KG	0.0026 U	0.0032 U
4-Ethyltoluene	--	--	--	MG/KG	0.0026 U	0.0032 U
Acetone	0.05	100	0.05	MG/KG	0.0073 J	0.012 J
Acrylonitrile	--	--	--	MG/KG	0.0053 U	0.0065 U
Benzene	0.06	4.8	0.06	MG/KG	0.00066 U	0.00081 U
Bromobenzene	--	--	--	MG/KG	0.0026 U	0.0032 U
Bromochloromethane	--	--	--	MG/KG	0.0026 U	0.0032 U

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-20	SB-20
					Sample Date:	12/21/2021	12/21/2021
					Sample Depth (ft bls):	0 - 2	3 - 5
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit			
Bromodichloromethane	--	--	--	MG/KG	0.00066 U	0.00081 U	
Bromoform	--	--	--	MG/KG	0.0053 U	0.0065 U	
Bromomethane	--	--	--	MG/KG	0.0026 U	0.0032 U	
Carbon Disulfide	--	--	--	MG/KG	0.013 U	0.016 U	
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0013 U	0.0016 U	
Chlorobenzene	1.1	100	1.1	MG/KG	0.00066 U	0.00081 U	
Chloroethane	--	--	--	MG/KG	0.0026 U	0.0032 U	
Chloroform	0.37	49	0.37	MG/KG	0.002 U	0.0024 U	
Chloromethane	--	--	--	MG/KG	0.0053 U	0.0065 U	
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0013 U	0.0016 U	
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.00066 U	0.00081 U	
Cymene	--	--	--	MG/KG	0.0013 U	0.0016 U	
Dibromochloromethane	--	--	--	MG/KG	0.0013 U	0.0016 U	
Dibromomethane	--	--	--	MG/KG	0.0026 U	0.0032 U	
Dichlorodifluoromethane	--	--	--	MG/KG	0.013 U	0.016 U	
Dichloroethylenes	--	--	--	MG/KG	0.0013 U	0.0016 U	
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0026 U	0.0032 U	
Ethylbenzene	1	41	1	MG/KG	0.0013 U	0.0016 U	
Hexachlorobutadiene	--	--	--	MG/KG	0.0053 U	0.0065 U	
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0013 U	0.0016 U	
m,p-Xylene	--	--	--	MG/KG	0.0026 U	0.0032 U	
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.013 U	0.016 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.013 U	0.016 U	
Methylene Chloride	0.05	100	0.05	MG/KG	0.0066 U	0.0081 U	
Naphthalene	12	100	12	MG/KG	0.0053 U	0.0065 U	
N-Butylbenzene	12	100	12	MG/KG	0.0013 U	0.0016 U	
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0013 U	0.0016 U	
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0013 U	0.0016 U	
Sec-Butylbenzene	11	100	11	MG/KG	0.0013 U	0.0016 U	
Styrene	--	--	--	MG/KG	0.0013 U	0.0016 U	
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0026 U	0.0032 U	
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0026 U	0.0032 U	
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.00066 U	0.00081 U	

Table 1. Summary of Volatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-20	SB-20
					Sample Date:	12/21/2021	12/21/2021
					Sample Depth (ft bls):	0 - 2	3 - 5
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit			
Toluene	0.7	100	0.7	MG/KG	0.0013 U	0.0016 U	
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.00066 U	0.00081 U	
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.002 U	0.0024 U	
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0013 U	0.0016 U	
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0066 U	0.0081 U	
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.00066 U	0.00081 U	
Trichlorofluoromethane	--	--	--	MG/KG	0.0053 U	0.0065 U	
Vinyl Acetate	--	--	--	MG/KG	0.013 U	0.016 U	
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0013 U	0.0016 U	
Xylenes	0.26	100	1.6	MG/KG	0.0013 U	0.0016 U	

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					DW-1	SB-1	SB-1A
					12/15/2020	12/16/2020	12/18/2020
Sample Depth (ft bls):					0 - 2	0 - 2	0 - 2
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.21 U	0.18 U	0.22 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.21 U	0.18 U	0.22 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.21 U	0.18 U	0.22 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.031 U	0.028 U	0.033 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.12 U	0.11 U	0.13 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.19 U	0.16 U	0.2 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
2,4-Dinitrophenol	--	--	--	MG/KG	1 U	0.88 U	1 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
2-Chloronaphthalene	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
2-Chlorophenol	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
2-Methylnaphthalene	--	--	--	MG/KG	0.25 U	0.043 J	0.027 J
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.21 U	0.18 U	0.22 U
2-Nitroaniline	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
2-Nitrophenol	--	--	--	MG/KG	0.45 U	0.4 U	0.47 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
3-Nitroaniline	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.54 U	0.48 U	0.57 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
4-Chloroaniline	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
4-Nitroaniline	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
4-Nitrophenol	--	--	--	MG/KG	0.29 U	0.26 U	0.3 U
Acenaphthene	20	100	98	MG/KG	0.17 U	0.12 J	0.17 U
Acenaphthylene	100	100	107	MG/KG	0.17 U	0.032 J	0.037 J
Acetophenone	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
Anthracene	100	100	1000	MG/KG	0.12 U	0.44	0.11 J
Benzo(A)Anthracene	1	1	1	MG/KG	0.11 J	1.1	0.55

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					DW-1	SB-1	SB-1A
					12/15/2020	12/16/2020	12/18/2020
Sample Date:					0 - 2	0 - 2	0 - 2
Sample Depth (ft bls):							
Benzo(A)Pyrene	1	1	22	MG/KG	0.13 J	1.1	0.56
Benzo(B)Fluoranthene	1	1	1.7	MG/KG	0.15	1.2	0.67
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.088 J	0.56	0.4
Benzo(K)Fluoranthene	0.8	3.9	1.7	MG/KG	0.045 J	0.45	0.24
Benzoic Acid	--	--	--	MG/KG	0.67 U	0.59 U	0.7 U
Benzyl Alcohol	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.31	0.18 U	0.22 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.47 U	0.42 U	0.5 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.22 U	0.2 U	0.24 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.19 U	0.16 U	0.2 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.25 U	0.22 U	0.26 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.21	0.18 U	0.22 U
Carbazole	--	--	--	MG/KG	0.21 U	0.089 J	0.046 J
Chrysene	1	3.9	1	MG/KG	0.11 J	0.97	0.57
Dibenz(A,H)Anthracene	0.33	0.33	1000	MG/KG	0.12 U	0.15	0.1 J
Dibenzofuran	7	59	210	MG/KG	0.21 U	0.062 J	0.026 J
Diethyl Phthalate	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
Dimethyl Phthalate	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
Fluoranthene	100	100	1000	MG/KG	0.2	2	0.97
Fluorene	30	100	386	MG/KG	0.21 U	0.16 J	0.024 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.12 U	0.11 U	0.13 U
Hexachlorobutadiene	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.6 U	0.52 U	0.62 U
Hexachloroethane	--	--	--	MG/KG	0.17 U	0.15 U	0.17 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	8.2	MG/KG	0.082 J	0.62	0.38
Isophorone	--	--	--	MG/KG	0.19 U	0.16 U	0.2 U
Naphthalene	12	100	12	MG/KG	0.21 U	0.12 J	0.034 J
Nitrobenzene	--	--	--	MG/KG	0.19 U	0.16 U	0.2 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.21 U	0.18 U	0.22 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.17 U	0.15 U	0.17 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.17 U	0.15 U	0.17 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	DW-1	SB-1	SB-1A
					Sample Date:	12/15/2020	12/16/2020	12/18/2020
					Sample Depth (ft bls):	0 - 2	0 - 2	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Phenanthrene	100	100	1000	MG/KG	0.072 J	1.4	0.43	
Phenol	0.33	100	0.33	MG/KG	0.21 U	0.18 U	0.22 U	
Pyrene	100	100	1000	MG/KG	0.2	1.7	1	

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-2	SB-3	SB-3
					12/16/2020	12/15/2020	12/18/2020
Sample Depth (ft bls):					0 - 2	0 - 2	24.5 - 25
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.18 U	0.2 U	0.19 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.18 U	0.2 U	0.19 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.18 U	0.2 U	0.19 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.028 U	0.03 U	0.028 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.11 U	0.12 U	0.11 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.17 U	0.18 U	0.17 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.89 U	0.97 U	0.9 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
2-Chloronaphthalene	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
2-Chlorophenol	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
2-Methylnaphthalene	--	--	--	MG/KG	0.22 U	0.074 J	0.23 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.18 U	0.2 U	0.19 U
2-Nitroaniline	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
2-Nitrophenol	--	--	--	MG/KG	0.4 U	0.44 U	0.41 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
3-Nitroaniline	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.48 U	0.53 U	0.49 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
4-Chloroaniline	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
4-Nitroaniline	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
4-Nitrophenol	--	--	--	MG/KG	0.26 U	0.28 U	0.26 U
Acenaphthene	20	100	98	MG/KG	0.062 J	0.033 J	0.15 U
Acenaphthylene	100	100	107	MG/KG	0.15 U	0.6	0.15 U
Acetophenone	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
Anthracene	100	100	1000	MG/KG	0.34	0.29	0.11 U
Benzo(A)Anthracene	1	1	1	MG/KG	0.8	1.6	0.11 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-2	SB-3	SB-3
					12/16/2020	12/15/2020	12/18/2020
Sample Date:					0 - 2	0 - 2	24.5 - 25
Sample Depth (ft bls):							
Benzo(A)Pyrene	1	1	22	MG/KG	0.67	1.1	0.15 U
Benzo(B)Fluoranthene	1	1	1.7	MG/KG	0.8	1.2	0.11 U
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.38	0.98	0.15 U
Benzo(K)Fluoranthene	0.8	3.9	1.7	MG/KG	0.27	0.45	0.11 U
Benzoic Acid	--	--	--	MG/KG	0.6 U	0.66 U	0.61 U
Benzyl Alcohol	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.18 U	0.051 J	0.19 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.42 U	0.46 U	0.43 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.2 U	0.22 U	0.2 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.17 U	0.18 U	0.17 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.22 U	0.24 U	0.23 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
Carbazole	--	--	--	MG/KG	0.076 J	0.04 J	0.19 U
Chrysene	1	3.9	1	MG/KG	0.7	1.6	0.11 U
Dibenz(A,H)Anthracene	0.33	0.33	1000	MG/KG	0.092 J	0.27	0.11 U
Dibenzofuran	7	59	210	MG/KG	0.069 J	0.2 U	0.19 U
Diethyl Phthalate	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
Dimethyl Phthalate	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
Fluoranthene	100	100	1000	MG/KG	1.8	1.4	0.11 U
Fluorene	30	100	386	MG/KG	0.036 J	0.079 J	0.19 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.11 U	0.12 U	0.11 U
Hexachlorobutadiene	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.53 U	0.58 U	0.54 U
Hexachloroethane	--	--	--	MG/KG	0.15 U	0.16 U	0.15 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	8.2	MG/KG	0.41	0.95	0.15 U
Isophorone	--	--	--	MG/KG	0.17 U	0.18 U	0.17 U
Naphthalene	12	100	12	MG/KG	0.18 U	0.14 J	0.19 U
Nitrobenzene	--	--	--	MG/KG	0.17 U	0.18 U	0.17 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.15 U	0.16 U	0.15 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.15 U	0.16 U	0.15 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-2	SB-3	SB-3
					Sample Date:	12/16/2020	12/15/2020	12/18/2020
					Sample Depth (ft bls):	0 - 2	0 - 2	24.5 - 25
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Phenanthrene	100	100	1000	MG/KG	1.6	0.76	0.11 U	
Phenol	0.33	100	0.33	MG/KG	0.18 U	0.2 U	0.19 U	
Pyrene	100	100	1000	MG/KG	1.4	2	0.11 U	

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-4	SB-5	SB-6
					12/15/2020	12/15/2020	12/15/2020
Sample Depth (ft bls):					0 - 2	0 - 2	0 - 2
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.2 U	0.19 U	0.19 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.2 U	0.19 U	0.19 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.2 U	0.19 U	0.19 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.029 U	0.028 U	0.029 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.12 U	0.11 U	0.11 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.18 U	0.17 U	0.17 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.94 U	0.89 U	0.92 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
2-Chloronaphthalene	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
2-Chlorophenol	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
2-Methylnaphthalene	--	--	--	MG/KG	0.15 J	0.04 J	0.046 J
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.2 U	0.19 U	0.19 U
2-Nitroaniline	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
2-Nitrophenol	--	--	--	MG/KG	0.42 U	0.4 U	0.41 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
3-Nitroaniline	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.51 U	0.48 U	0.5 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
4-Chloroaniline	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
4-Nitroaniline	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
4-Nitrophenol	--	--	--	MG/KG	0.27 U	0.26 U	0.27 U
Acenaphthene	20	100	98	MG/KG	1.5	0.14 J	0.15 U
Acenaphthylene	100	100	107	MG/KG	0.15 J	0.067 J	0.079 J
Acetophenone	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
Anthracene	100	100	1000	MG/KG	2.2	0.31	0.067 J
Benzo(A)Anthracene	1	1	1	MG/KG	5	0.89	0.22

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-4	SB-5	SB-6
					12/15/2020	12/15/2020	12/15/2020
Sample Date:					0 - 2	0 - 2	0 - 2
Sample Depth (ft bls):							
Benzo(A)Pyrene	1	1	22	MG/KG	5	0.84	0.23
Benzo(B)Fluoranthene	1	1	1.7	MG/KG	5.4	1	0.31
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	2.2	0.41	0.1 J
Benzo(K)Fluoranthene	0.8	3.9	1.7	MG/KG	1.9	0.32	0.11
Benzoic Acid	--	--	--	MG/KG	0.63 U	0.6 U	0.62 U
Benzyl Alcohol	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.056 J	0.42 U	0.44 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.21 U	0.2 U	0.21 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.18 U	0.17 U	0.17 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.23 U	0.22 U	0.23 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.2 U	0.19 U	0.19
Carbazole	--	--	--	MG/KG	0.81	0.11 J	0.022 J
Chrysene	1	3.9	1	MG/KG	4.3	0.86	0.28
Dibenz(A,H)Anthracene	0.33	0.33	1000	MG/KG	0.61	0.11	0.03 J
Dibenzofuran	7	59	210	MG/KG	0.42	0.068 J	0.19 U
Diethyl Phthalate	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
Dimethyl Phthalate	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
Fluoranthene	100	100	1000	MG/KG	7.4	1.6	0.37
Fluorene	30	100	386	MG/KG	0.89	0.11 J	0.02 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.12 U	0.11 U	0.11 U
Hexachlorobutadiene	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.56 U	0.53 U	0.55 U
Hexachloroethane	--	--	--	MG/KG	0.16 U	0.15 U	0.15 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	8.2	MG/KG	2.6	0.46	0.12 J
Isophorone	--	--	--	MG/KG	0.18 U	0.17 U	0.17 U
Naphthalene	12	100	12	MG/KG	0.35	0.082 J	0.047 J
Nitrobenzene	--	--	--	MG/KG	0.18 U	0.17 U	0.17 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.2 U	0.19 U	0.19 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.16 U	0.15 U	0.15 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.16 U	0.15 U	0.15 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-4	SB-5	SB-6
					Sample Date:	12/15/2020	12/15/2020	12/15/2020
					Sample Depth (ft bls):	0 - 2	0 - 2	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Phenanthrene	100	100	1000	MG/KG	7.1	1.1	0.24	
Phenol	0.33	100	0.33	MG/KG	0.2 U	0.19 U	0.19 U	
Pyrene	100	100	1000	MG/KG	6.6	1.4	0.36	

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-7	SB-7	SB-8
					12/21/2021	12/21/2021	12/16/2021
Sample Depth (ft bls):					0 - 2	2 - 4	0 - 2
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.18 U	0.21 U	0.19 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.18 U	0.21 U	0.19 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.18 U	0.21 U	0.19 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.028 U	0.032 U	0.029 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.11 U	0.13 U	0.12 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.16 U	0.19 U	0.17 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.88 U	1 U	0.92 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
2-Chloronaphthalene	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
2-Chlorophenol	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
2-Methylnaphthalene	--	--	--	MG/KG	0.22 U	0.25 U	0.031 J
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.18 U	0.21 U	0.19 U
2-Nitroaniline	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
2-Nitrophenol	--	--	--	MG/KG	0.4 U	0.46 U	0.42 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
3-Nitroaniline	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.48 U	0.55 U	0.5 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
4-Chloroaniline	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
4-Nitroaniline	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
4-Nitrophenol	--	--	--	MG/KG	0.26 U	0.3 U	0.27 U
Acenaphthene	20	100	98	MG/KG	0.15 U	0.17 U	0.15 U
Acenaphthylene	100	100	107	MG/KG	0.15 U	0.17 U	0.036 J
Acetophenone	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
Anthracene	100	100	1000	MG/KG	0.11 U	0.13 U	0.12 U
Benzo(A)Anthracene	1	1	1	MG/KG	0.11 U	0.13 U	0.22

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					Sample Date:		
					SB-7	SB-7	SB-8
					12/21/2021	12/21/2021	12/16/2021
Sample Depth (ft bls):					0 - 2	2 - 4	0 - 2
Benzo(A)Pyrene	1	1	22	MG/KG	0.15 U	0.17 U	0.23
Benzo(B)Fluoranthene	1	1	1.7	MG/KG	0.11 U	0.13 U	0.3
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.15 U	0.17 U	0.14 J
Benzo(K)Fluoranthene	0.8	3.9	1.7	MG/KG	0.11 U	0.13 U	0.11 J
Benzoic Acid	--	--	--	MG/KG	0.6 U	0.68 U	0.62 U
Benzyl Alcohol	--	--	--	MG/KG	0.14 J	0.093 J	0.19 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.42 U	0.48 U	0.44 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.2 U	0.23 U	0.21 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.16 U	0.19 U	0.17 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.22 U	0.25 U	0.23 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
Carbazole	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
Chrysene	1	3.9	1	MG/KG	0.11 U	0.13 U	0.25
Dibenz(A,H)Anthracene	0.33	0.33	1000	MG/KG	0.11 U	0.13 U	0.042 J
Dibenzofuran	7	59	210	MG/KG	0.18 U	0.21 U	0.19 U
Diethyl Phthalate	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
Dimethyl Phthalate	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
Fluoranthene	100	100	1000	MG/KG	0.11 U	0.13 U	0.35
Fluorene	30	100	386	MG/KG	0.18 U	0.21 U	0.19 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.11 U	0.13 U	0.12 U
Hexachlorobutadiene	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.53 U	0.6 U	0.55 U
Hexachloroethane	--	--	--	MG/KG	0.15 U	0.17 U	0.15 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	8.2	MG/KG	0.15 U	0.17 U	0.16
Isophorone	--	--	--	MG/KG	0.16 U	0.19 U	0.17 U
Naphthalene	12	100	12	MG/KG	0.18 U	0.21 U	0.034 J
Nitrobenzene	--	--	--	MG/KG	0.16 U	0.19 U	0.17 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.18 U	0.21 U	0.19 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.15 U	0.17 U	0.15 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.15 U	0.17 U	0.15 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-7	SB-7	SB-8
					Sample Date:	12/21/2021	12/21/2021	12/16/2021
					Sample Depth (ft bls):	0 - 2	2 - 4	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Phenanthrene	100	100	1000	MG/KG	0.11 U	0.13 U	0.13	
Phenol	0.33	100	0.33	MG/KG	0.18 U	0.21 U	0.19 U	
Pyrene	100	100	1000	MG/KG	0.11 U	0.13 U	0.32	

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-8	SB-9	SB-9
					12/16/2021	12/16/2021	12/16/2021
Sample Date:					2 - 4	0 - 2	2 - 4
Sample Depth (ft bls):							
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.21 U	0.19 U	0.19 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.21 U	0.19 U	0.19 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.21 U	0.19 U	0.19 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.031 U	0.028 U	0.029 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.12 U	0.11 U	0.11 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.19 U	0.17 U	0.17 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
2,4-Dinitrophenol	--	--	--	MG/KG	1 U	0.9 U	0.92 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
2-Chloronaphthalene	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
2-Chlorophenol	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
2-Methylnaphthalene	--	--	--	MG/KG	0.25 U	0.22 U	0.23 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.21 U	0.19 U	0.19 U
2-Nitroaniline	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
2-Nitrophenol	--	--	--	MG/KG	0.45 U	0.4 U	0.41 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
3-Nitroaniline	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.54 U	0.49 U	0.5 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
4-Chloroaniline	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
4-Nitroaniline	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
4-Nitrophenol	--	--	--	MG/KG	0.29 U	0.26 U	0.27 U
Acenaphthene	20	100	98	MG/KG	0.17 U	0.15 U	0.15 U
Acenaphthylene	100	100	107	MG/KG	0.17 U	0.15 U	0.15 U
Acetophenone	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
Anthracene	100	100	1000	MG/KG	0.12 U	0.11 U	0.11 U
Benzo(A)Anthracene	1	1	1	MG/KG	0.12	0.044 J	0.11 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-8	SB-9	SB-9
					12/16/2021	12/16/2021	12/16/2021
					2 - 4	0 - 2	2 - 4
Benzo(A)Pyrene	1	1	22	MG/KG	0.11 J	0.15 U	0.15 U
Benzo(B)Fluoranthene	1	1	1.7	MG/KG	0.14	0.059 J	0.11 U
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.057 J	0.034 J	0.15 U
Benzo(K)Fluoranthene	0.8	3.9	1.7	MG/KG	0.053 J	0.11 U	0.11 U
Benzoic Acid	--	--	--	MG/KG	0.67 U	0.61 U	0.62 U
Benzyl Alcohol	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.47 U	0.43 U	0.44 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.22 U	0.2 U	0.21 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.19 U	0.17 U	0.17 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.25 U	0.22 U	0.23 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
Carbazole	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
Chrysene	1	3.9	1	MG/KG	0.11 J	0.051 J	0.11 U
Dibenz(A,H)Anthracene	0.33	0.33	1000	MG/KG	0.12 U	0.11 U	0.11 U
Dibenzofuran	7	59	210	MG/KG	0.21 U	0.19 U	0.19 U
Diethyl Phthalate	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
Dimethyl Phthalate	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
Fluoranthene	100	100	1000	MG/KG	0.16	0.07 J	0.023 J
Fluorene	30	100	386	MG/KG	0.21 U	0.19 U	0.19 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.12 U	0.11 U	0.11 U
Hexachlorobutadiene	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.59 U	0.54 U	0.55 U
Hexachloroethane	--	--	--	MG/KG	0.17 U	0.15 U	0.15 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	8.2	MG/KG	0.073 J	0.032 J	0.15 U
Isophorone	--	--	--	MG/KG	0.19 U	0.17 U	0.17 U
Naphthalene	12	100	12	MG/KG	0.21 U	0.19 U	0.19 U
Nitrobenzene	--	--	--	MG/KG	0.19 U	0.17 U	0.17 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.17 U	0.15 U	0.15 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.17 U	0.15 U	0.15 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-8	SB-9	SB-9
					Sample Date:	12/16/2021	12/16/2021	12/16/2021
					Sample Depth (ft bls):	2 - 4	0 - 2	2 - 4
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Phenanthrene	100	100	1000	MG/KG	0.041 J	0.036 J	0.11 U	
Phenol	0.33	100	0.33	MG/KG	0.21 U	0.19 U	0.19 U	
Pyrene	100	100	1000	MG/KG	0.14	0.063 J	0.019 J	

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-10	SB-10	SB-11
					12/21/2021	12/21/2021	12/21/2021
Sample Depth (ft bls):					0 - 2	2 - 4	0 - 2
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.21 U	0.19 U	0.19 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.21 U	0.19 U	0.19 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.21 U	0.19 U	0.19 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.032 U	0.029 U	0.028 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.13 U	0.12 U	0.11 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.19 U	0.17 U	0.17 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
2,4-Dinitrophenol	--	--	--	MG/KG	1 U	0.93 U	0.89 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
2-Chloronaphthalene	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
2-Chlorophenol	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
2-Methylnaphthalene	--	--	--	MG/KG	0.027 J	0.024 J	0.028 J
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.21 U	0.19 U	0.19 U
2-Nitroaniline	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
2-Nitrophenol	--	--	--	MG/KG	0.46 U	0.42 U	0.4 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
3-Nitroaniline	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.55 U	0.5 U	0.48 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
4-Chloroaniline	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
4-Nitroaniline	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
4-Nitrophenol	--	--	--	MG/KG	0.3 U	0.27 U	0.26 U
Acenaphthene	20	100	98	MG/KG	0.17 U	0.16 U	0.15 U
Acenaphthylene	100	100	107	MG/KG	0.086 J	0.062 J	0.073 J
Acetophenone	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
Anthracene	100	100	1000	MG/KG	0.092 J	0.045 J	0.04 J
Benzo(A)Anthracene	1	1	1	MG/KG	0.46	0.32	0.17

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-10	SB-10	SB-11
					12/21/2021	12/21/2021	12/21/2021
Sample Date:					0 - 2	2 - 4	0 - 2
Sample Depth (ft bls):							
Benzo(A)Pyrene	1	1	22	MG/KG	0.39	0.26	0.15
Benzo(B)Fluoranthene	1	1	1.7	MG/KG	0.57	0.41	0.17
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.24	0.16	0.1 J
Benzo(K)Fluoranthene	0.8	3.9	1.7	MG/KG	0.19	0.14	0.059 J
Benzoic Acid	--	--	--	MG/KG	0.69 U	0.63 U	0.6 U
Benzyl Alcohol	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.48 U	0.44 U	0.42 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.23 U	0.21 U	0.2 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.19 U	0.17 U	0.17 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.25 U	0.23 U	0.22 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
Carbazole	--	--	--	MG/KG	0.045 J	0.19 U	0.19 U
Chrysene	1	3.9	1	MG/KG	0.49	0.41	0.16
Dibenz(A,H)Anthracene	0.33	0.33	1000	MG/KG	0.069 J	0.05 J	0.024 J
Dibenzofuran	7	59	210	MG/KG	0.027 J	0.19 U	0.19 U
Diethyl Phthalate	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
Dimethyl Phthalate	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.047 J	0.19 U	0.19 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
Fluoranthene	100	100	1000	MG/KG	0.81	0.48	0.27
Fluorene	30	100	386	MG/KG	0.028 J	0.19 U	0.024 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.13 U	0.12 U	0.11 U
Hexachlorobutadiene	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.6 U	0.56 U	0.53 U
Hexachloroethane	--	--	--	MG/KG	0.17 U	0.16 U	0.15 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	8.2	MG/KG	0.29	0.18	0.1 J
Isophorone	--	--	--	MG/KG	0.19 U	0.17 U	0.17 U
Naphthalene	12	100	12	MG/KG	0.043 J	0.042 J	0.042 J
Nitrobenzene	--	--	--	MG/KG	0.19 U	0.17 U	0.17 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.21 U	0.19 U	0.19 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.17 U	0.16 U	0.15 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.17 U	0.16 U	0.15 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-10	SB-10	SB-11
					Sample Date:	12/21/2021	12/21/2021	12/21/2021
					Sample Depth (ft bls):	0 - 2	2 - 4	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Phenanthrene	100	100	1000	MG/KG	0.46	0.18	0.17	
Phenol	0.33	100	0.33	MG/KG	0.21 U	0.19 U	0.19 U	
Pyrene	100	100	1000	MG/KG	0.72	0.45	0.35	

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-11	SB-12	SB-12
					12/21/2021	12/13/2021	12/13/2021
Sample Date:					10 - 12	0 - 2	5 - 7
Sample Depth (ft bls):							
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.19 U	0.2 U	0.19 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.19 U	0.2 U	0.19 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.19 U	0.2 U	0.19 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.029 U	0.03 U	0.029 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.12 U	0.12 U	0.12 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.17 U	0.18 U	0.17 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.92 U	0.95 U	0.92 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
2-Chloronaphthalene	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
2-Chlorophenol	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
2-Methylnaphthalene	--	--	--	MG/KG	0.23 U	0.026 J	0.23 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.19 U	0.2 U	0.19 U
2-Nitroaniline	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
2-Nitrophenol	--	--	--	MG/KG	0.42 U	0.43 U	0.42 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
3-Nitroaniline	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.5 U	0.51 U	0.5 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
4-Chloroaniline	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
4-Nitroaniline	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
4-Nitrophenol	--	--	--	MG/KG	0.27 U	0.28 U	0.27 U
Acenaphthene	20	100	98	MG/KG	0.15 U	0.04 J	0.02 J
Acenaphthylene	100	100	107	MG/KG	0.052 J	0.16 U	0.15
Acetophenone	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
Anthracene	100	100	1000	MG/KG	0.044 J	0.091 J	0.13
Benzo(A)Anthracene	1	1	1	MG/KG	0.24	0.24	1.2

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-11	SB-12	SB-12
					12/21/2021	12/13/2021	12/13/2021
					10 - 12	0 - 2	5 - 7
Benzo(A)Pyrene	1	1	22	MG/KG	0.2	0.26	1.2
Benzo(B)Fluoranthene	1	1	1.7	MG/KG	0.3	0.34	1.4
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.13 J	0.17	0.71
Benzo(K)Fluoranthene	0.8	3.9	1.7	MG/KG	0.07 J	0.1 J	0.42
Benzoic Acid	--	--	--	MG/KG	0.62 U	0.64 U	0.62 U
Benzyl Alcohol	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.44 U	0.45 U	0.44 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.21 U	0.21 U	0.21 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.17 U	0.18 U	0.17 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.23 U	0.24 U	0.23 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
Carbazole	--	--	--	MG/KG	0.023 J	0.035 J	0.053 J
Chrysene	1	3.9	1	MG/KG	0.23	0.3	1.2
Dibenz(A,H)Anthracene	0.33	0.33	1000	MG/KG	0.037 J	0.05 J	0.16
Dibenzofuran	7	59	210	MG/KG	0.19 U	0.032 J	0.022 J
Diethyl Phthalate	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
Dimethyl Phthalate	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
Fluoranthene	100	100	1000	MG/KG	0.38	0.48	1.8
Fluorene	30	100	386	MG/KG	0.19 U	0.047 J	0.042 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.12 U	0.12 U	0.12 U
Hexachlorobutadiene	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.55 U	0.56 U	0.55 U
Hexachloroethane	--	--	--	MG/KG	0.15 U	0.16 U	0.15 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	8.2	MG/KG	0.15	0.18	0.75
Isophorone	--	--	--	MG/KG	0.17 U	0.18 U	0.17 U
Naphthalene	12	100	12	MG/KG	0.19 U	0.035 J	0.074 J
Nitrobenzene	--	--	--	MG/KG	0.17 U	0.18 U	0.17 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.19 U	0.2 U	0.19 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.15 U	0.16 U	0.15 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.15 U	0.16 U	0.15 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-11	SB-12	SB-12
					Sample Date:	12/21/2021	12/13/2021	12/13/2021
					Sample Depth (ft bls):	10 - 12	0 - 2	5 - 7
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Phenanthrene	100	100	1000	MG/KG	0.16	0.34	0.39	
Phenol	0.33	100	0.33	MG/KG	0.19 U	0.2 U	0.19 U	
Pyrene	100	100	1000	MG/KG	0.38	0.45	2.3	

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-13	SB-13	SB-14
					12/13/2021	12/13/2021	12/14/2021
Sample Depth (ft bls):					0 - 2	5 - 7	0 - 2
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	5.7 U	0.21 U	2.9 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	5.7 U	0.21 U	2.9 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	5.7 U	0.21 U	2.9 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.86 U	0.031 U	0.44 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	3.4 U	0.12 U	1.8 U
2,4-Dichlorophenol	--	--	--	MG/KG	5.1 U	0.19 U	2.6 U
2,4-Dimethylphenol	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
2,4-Dinitrophenol	--	--	--	MG/KG	27 U	1 U	14 U
2,4-Dinitrotoluene	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
2,6-Dinitrotoluene	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
2-Chloronaphthalene	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
2-Chlorophenol	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
2-Methylnaphthalene	--	--	--	MG/KG	6.8 U	0.25 U	3.5 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	5.7 U	0.21 U	2.9 U
2-Nitroaniline	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
2-Nitrophenol	--	--	--	MG/KG	12 U	0.45 U	6.3 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
3-Nitroaniline	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	15 U	0.54 U	7.6 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
4-Chloroaniline	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
4-Nitroaniline	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
4-Nitrophenol	--	--	--	MG/KG	8 U	0.29 U	4.1 U
Acenaphthene	20	100	98	MG/KG	4.6 U	0.17 U	2.3 U
Acenaphthylene	100	100	107	MG/KG	4.6 U	0.17 U	2.3 U
Acetophenone	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
Anthracene	100	100	1000	MG/KG	3.4 U	0.12 U	0.64 J
Benzo(A)Anthracene	1	1	1	MG/KG	3.4 U	0.12 U	3.6

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-13	SB-13	SB-14
					12/13/2021	12/13/2021	12/14/2021
					0 - 2	5 - 7	0 - 2
Benzo(A)Pyrene	1	1	22	MG/KG	4.6 U	0.17 U	3.8
Benzo(B)Fluoranthene	1	1	1.7	MG/KG	3.4 U	0.12 U	4.8
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	4.6 U	0.17 U	2.7
Benzo(K)Fluoranthene	0.8	3.9	1.7	MG/KG	3.4 U	0.12 U	1.8
Benzoic Acid	--	--	--	MG/KG	18 U	0.68 U	9.5 U
Benzyl Alcohol	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	13 U	0.48 U	6.7 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	6.2 U	0.22 U	3.2 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	5.1 U	0.19 U	2.6 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	6.8 U	0.25 U	3.5 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
Carbazole	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
Chrysene	1	3.9	1	MG/KG	3.4 U	0.12 U	3.3
Dibenz(A,H)Anthracene	0.33	0.33	1000	MG/KG	3.4 U	0.12 U	0.66 J
Dibenzofuran	7	59	210	MG/KG	5.7 U	0.21 U	2.9 U
Diethyl Phthalate	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
Dimethyl Phthalate	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
Di-N-Octylphthalate	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
Fluoranthene	100	100	1000	MG/KG	3.4 U	0.12 U	6.1
Fluorene	30	100	386	MG/KG	5.7 U	0.21 U	2.9 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	3.4 U	0.12 U	1.8 U
Hexachlorobutadiene	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	16 U	0.6 U	8.4 U
Hexachloroethane	--	--	--	MG/KG	4.6 U	0.17 U	2.3 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	8.2	MG/KG	4.6 U	0.17 U	2.8
Isophorone	--	--	--	MG/KG	5.1 U	0.19 U	2.6 U
Naphthalene	12	100	12	MG/KG	5.7 U	0.21 U	2.9 U
Nitrobenzene	--	--	--	MG/KG	5.1 U	0.19 U	2.6 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	5.7 U	0.21 U	2.9 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	4.6 U	0.17 U	2.3 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	4.6 U	0.17 U	2.3 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-13	SB-13	SB-14
					Sample Date:	12/13/2021	12/13/2021	12/14/2021
					Sample Depth (ft bls):	0 - 2	5 - 7	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Phenanthrene	100	100	1000	MG/KG	3.4 U	0.12 U	1.7 J	
Phenol	0.33	100	0.33	MG/KG	5.7 U	0.21 U	2.9 U	
Pyrene	100	100	1000	MG/KG	3.4 U	0.12 U	5.8	

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:	SB-14	SB-15	SB-15
					Sample Date:	12/14/2021	12/13/2021	12/13/2021
					Sample Depth (ft bls):	3 - 5	0 - 2	6 - 8
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	2.7 U	2 U	1.8 U	
1,2,4-Trichlorobenzene	--	--	--	MG/KG	2.7 U	2 U	1.8 U	
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	2.7 U	2 U	1.8 U	
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	2.7 U	2 U	1.8 U	
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	2.7 U	2 U	1.8 U	
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.4 U	0.31 U	0.26 U	
2,4,5-Trichlorophenol	--	--	--	MG/KG	2.7 U	2 U	1.8 U	
2,4,6-Trichlorophenol	--	--	--	MG/KG	1.6 U	1.2 U	1 U	
2,4-Dichlorophenol	--	--	--	MG/KG	2.4 U	1.8 U	1.6 U	
2,4-Dimethylphenol	--	--	--	MG/KG	2.7 U	2 U	1.8 U	
2,4-Dinitrophenol	--	--	--	MG/KG	13 U	9.8 U	8.4 U	
2,4-Dinitrotoluene	--	--	--	MG/KG	2.7 U	2 U	1.8 U	
2,6-Dinitrotoluene	--	--	--	MG/KG	2.7 U	2 U	1.8 U	
2-Chloronaphthalene	--	--	--	MG/KG	2.7 U	2 U	1.8 U	
2-Chlorophenol	--	--	--	MG/KG	2.7 U	2 U	1.8 U	
2-Methylnaphthalene	--	--	--	MG/KG	3.2 U	2.4 U	2.1 U	
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	2.7 U	2 U	1.8 U	
2-Nitroaniline	--	--	--	MG/KG	2.7 U	2 U	1.8 U	
2-Nitrophenol	--	--	--	MG/KG	5.8 U	4.4 U	3.8 U	
3,3'-Dichlorobenzidine	--	--	--	MG/KG	2.7 U	2 U	1.8 U	
3-Nitroaniline	--	--	--	MG/KG	2.7 U	2 U	1.8 U	
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	7 U	5.3 U	4.6 U	
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	2.7 U	2 U	1.8 U	
4-Chloro-3-Methylphenol	--	--	--	MG/KG	2.7 U	2 U	1.8 U	
4-Chloroaniline	--	--	--	MG/KG	2.7 U	2 U	1.8 U	
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	2.7 U	2 U	1.8 U	
4-Nitroaniline	--	--	--	MG/KG	2.7 U	2 U	1.8 U	
4-Nitrophenol	--	--	--	MG/KG	3.8 U	2.8 U	2.5 U	
Acenaphthene	20	100	98	MG/KG	2.2 U	1.6 U	1.4 U	
Acenaphthylene	100	100	107	MG/KG	2.2 U	1.6 U	1.4 U	
Acetophenone	--	--	--	MG/KG	2.7 U	2 U	1.8 U	
Anthracene	100	100	1000	MG/KG	1.6 U	1.2 U	1 U	
Benzo(A)Anthracene	1	1	1	MG/KG	2.6	1.2 U	1 U	

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-14	SB-15	SB-15
					12/14/2021	12/13/2021	12/13/2021
Sample Depth (ft bls):					3 - 5	0 - 2	6 - 8
Benzo(A)Pyrene	1	1	22	MG/KG	2.8	1.6 U	1.4 U
Benzo(B)Fluoranthene	1	1	1.7	MG/KG	3.6	1.2 U	1 U
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	2 J	1.6 U	1.4 U
Benzo(K)Fluoranthene	0.8	3.9	1.7	MG/KG	1.2 J	1.2 U	1 U
Benzoic Acid	--	--	--	MG/KG	8.7 U	6.6 U	5.7 U
Benzyl Alcohol	--	--	--	MG/KG	2.7 U	2 U	1.8 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	2.7 U	2 U	1.8 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	6.1 U	4.6 U	4 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	2.9 U	2.2 U	1.9 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	2.4 U	1.8 U	1.6 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	3.2 U	2.4 U	2.1 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	2.7 U	2 U	1.8 U
Carbazole	--	--	--	MG/KG	2.7 U	2 U	1.8 U
Chrysene	1	3.9	1	MG/KG	2.5	1.2 U	1 U
Dibenz(A,H)Anthracene	0.33	0.33	1000	MG/KG	0.44 J	1.2 U	1 U
Dibenzofuran	7	59	210	MG/KG	2.7 U	2 U	1.8 U
Diethyl Phthalate	--	--	--	MG/KG	2.7 U	2 U	1.8 U
Dimethyl Phthalate	--	--	--	MG/KG	2.7 U	2 U	1.8 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	2.7 U	2 U	1.8 U
Di-N-Octylphthalate	--	--	--	MG/KG	2.7 U	2 U	1.8 U
Fluoranthene	100	100	1000	MG/KG	4.4	1.2 U	1 U
Fluorene	30	100	386	MG/KG	2.7 U	2 U	1.8 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	1.6 U	1.2 U	1 U
Hexachlorobutadiene	--	--	--	MG/KG	2.7 U	2 U	1.8 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	7.7 U	5.8 U	5 U
Hexachloroethane	--	--	--	MG/KG	2.2 U	1.6 U	1.4 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	8.2	MG/KG	2.1 J	1.6 U	1.4 U
Isophorone	--	--	--	MG/KG	2.4 U	1.8 U	1.6 U
Naphthalene	12	100	12	MG/KG	2.7 U	2 U	1.8 U
Nitrobenzene	--	--	--	MG/KG	2.4 U	1.8 U	1.6 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	2.7 U	2 U	1.8 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	2.2 U	1.6 U	1.4 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	2.2 U	1.6 U	1.4 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-14	SB-15	SB-15
					Sample Date:	12/14/2021	12/13/2021	12/13/2021
					Sample Depth (ft bls):	3 - 5	0 - 2	6 - 8
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Phenanthrene	100	100	1000	MG/KG	1.2 J	1.2 U	1 U	
Phenol	0.33	100	0.33	MG/KG	2.7 U	2 U	1.8 U	
Pyrene	100	100	1000	MG/KG	4	1.2 U	1 U	

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-16	SB-16	SB-17
					12/14/2021	12/14/2021	12/13/2021
Sample Depth (ft bls):					0 - 2	4 - 6	0 - 2
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	2.6 U	5.2 U	1.9 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	2.6 U	5.2 U	1.9 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	2.6 U	5.2 U	1.9 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.38 U	0.78 U	0.28 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	1.5 U	3.1 U	1.1 U
2,4-Dichlorophenol	--	--	--	MG/KG	2.3 U	4.7 U	1.7 U
2,4-Dimethylphenol	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
2,4-Dinitrophenol	--	--	--	MG/KG	12 U	25 U	9 U
2,4-Dinitrotoluene	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
2,6-Dinitrotoluene	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
2-Chloronaphthalene	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
2-Chlorophenol	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
2-Methylnaphthalene	--	--	--	MG/KG	3.1 U	6.3 U	2.2 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	2.6 U	5.2 U	1.9 U
2-Nitroaniline	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
2-Nitrophenol	--	--	--	MG/KG	5.6 U	11 U	4 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
3-Nitroaniline	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	6.7 U	14 U	4.9 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
4-Chloroaniline	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
4-Nitroaniline	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
4-Nitrophenol	--	--	--	MG/KG	3.6 U	7.3 U	2.6 U
Acenaphthene	20	100	98	MG/KG	2 U	4.2 U	1.5 U
Acenaphthylene	100	100	107	MG/KG	2 U	4.2 U	0.37 J
Acetophenone	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
Anthracene	100	100	1000	MG/KG	1.5 U	3.1 U	1.1 U
Benzo(A)Anthracene	1	1	1	MG/KG	1.5 U	3.1 U	0.42 J

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-16	SB-16	SB-17
					12/14/2021	12/14/2021	12/13/2021
Sample Date:					0 - 2	4 - 6	0 - 2
Sample Depth (ft bls):							
Benzo(A)Pyrene	1	1	22	MG/KG	2 U	4.2 U	0.55 J
Benzo(B)Fluoranthene	1	1	1.7	MG/KG	1.5 U	3.1 U	0.7 J
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	2 U	4.2 U	0.45 J
Benzo(K)Fluoranthene	0.8	3.9	1.7	MG/KG	1.5 U	3.1 U	1.1 U
Benzoic Acid	--	--	--	MG/KG	8.3 U	17 U	6.1 U
Benzyl Alcohol	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	5.8 U	12 U	4.3 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	2.8 U	5.6 U	2 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	2.3 U	4.7 U	1.7 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	3.1 U	6.3 U	2.2 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
Carbazole	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
Chrysene	1	3.9	1	MG/KG	1.5 U	3.1 U	0.52 J
Dibenz(A,H)Anthracene	0.33	0.33	1000	MG/KG	1.5 U	3.1 U	1.1 U
Dibenzofuran	7	59	210	MG/KG	2.6 U	5.2 U	1.9 U
Diethyl Phthalate	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
Dimethyl Phthalate	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
Di-N-Octylphthalate	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
Fluoranthene	100	100	1000	MG/KG	1.5 U	3.1 U	0.55 J
Fluorene	30	100	386	MG/KG	2.6 U	5.2 U	1.9 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	1.5 U	3.1 U	1.1 U
Hexachlorobutadiene	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	7.3 U	15 U	5.4 U
Hexachloroethane	--	--	--	MG/KG	2 U	4.2 U	1.5 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	8.2	MG/KG	2 U	4.2 U	0.41 J
Isophorone	--	--	--	MG/KG	2.3 U	4.7 U	1.7 U
Naphthalene	12	100	12	MG/KG	2.6 U	5.2 U	1.9 U
Nitrobenzene	--	--	--	MG/KG	2.3 U	4.7 U	1.7 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	2.6 U	5.2 U	1.9 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	2 U	4.2 U	1.5 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	2 U	4.2 U	1.5 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-16	SB-16	SB-17
					Sample Date:	12/14/2021	12/14/2021	12/13/2021
					Sample Depth (ft bls):	0 - 2	4 - 6	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Phenanthrene	100	100	1000	MG/KG	1.5 U	3.1 U	1.1 U	
Phenol	0.33	100	0.33	MG/KG	2.6 U	5.2 U	1.9 U	
Pyrene	100	100	1000	MG/KG	1.5 U	3.1 U	0.68 J	

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					SB-17	SB-18	SB-18
					12/13/2021	12/16/2021	12/16/2021
					21 - 23	0 - 2	4 - 6
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.2 U	0.21 U	0.21 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.2 U	0.21 U	0.21 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.2 U	0.21 U	0.21 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.03 U	0.031 U	0.031 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.12 U	0.12 U	0.12 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.18 U	0.19 U	0.19 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.96 U	1 U	1 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
2-Chloronaphthalene	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
2-Chlorophenol	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
2-Methylnaphthalene	--	--	--	MG/KG	0.24 U	0.25 U	0.031 J
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.2 U	0.21 U	0.21 U
2-Nitroaniline	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
2-Nitrophenol	--	--	--	MG/KG	0.43 U	0.45 U	0.45 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
3-Nitroaniline	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.52 U	0.54 U	0.54 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
4-Chloroaniline	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
4-Nitroaniline	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
4-Nitrophenol	--	--	--	MG/KG	0.28 U	0.29 U	0.29 U
Acenaphthene	20	100	98	MG/KG	0.16 U	0.14 J	0.052 J
Acenaphthylene	100	100	107	MG/KG	0.16 U	0.17 U	0.068 J
Acetophenone	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
Anthracene	100	100	1000	MG/KG	0.12 U	0.18	0.094 J
Benzo(A)Anthracene	1	1	1	MG/KG	0.12 U	1	0.32

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					Sample Date:		
					SB-17	SB-18	SB-18
					12/13/2021	12/16/2021	12/16/2021
Sample Depth (ft bls):					21 - 23	0 - 2	4 - 6
Benzo(A)Pyrene	1	1	22	MG/KG	0.16 U	1.3	0.33
Benzo(B)Fluoranthene	1	1	1.7	MG/KG	0.12 U	1.6	0.44
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.16 U	0.97	0.23
Benzo(K)Fluoranthene	0.8	3.9	1.7	MG/KG	0.12 U	0.53	0.14
Benzoic Acid	--	--	--	MG/KG	0.65 U	0.67 U	0.67 U
Benzyl Alcohol	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.46 U	0.47 U	0.47 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.22 U	0.22 U	0.22 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.18 U	0.19 U	0.19 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.24 U	0.25 U	0.25 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.2 U	0.21 U	0.1 J
Carbazole	--	--	--	MG/KG	0.2 U	0.21 U	0.043 J
Chrysene	1	3.9	1	MG/KG	0.12 U	1.2	0.36
Dibenz(A,H)Anthracene	0.33	0.33	1000	MG/KG	0.12 U	0.21	0.059 J
Dibenzofuran	7	59	210	MG/KG	0.2 U	0.032 J	0.021 J
Diethyl Phthalate	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
Dimethyl Phthalate	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
Fluoranthene	100	100	1000	MG/KG	0.12 U	1.9	0.63
Fluorene	30	100	386	MG/KG	0.2 U	0.037 J	0.038 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.12 U	0.12 U	0.12 U
Hexachlorobutadiene	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.57 U	0.6 U	0.59 U
Hexachloroethane	--	--	--	MG/KG	0.16 U	0.17 U	0.16 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	8.2	MG/KG	0.16 U	1	0.25
Isophorone	--	--	--	MG/KG	0.18 U	0.19 U	0.19 U
Naphthalene	12	100	12	MG/KG	0.2 U	0.21 U	0.054 J
Nitrobenzene	--	--	--	MG/KG	0.18 U	0.19 U	0.19 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.2 U	0.21 U	0.21 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.16 U	0.17 U	0.16 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.16 U	0.17 U	0.16 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-17	SB-18	SB-18
					Sample Date:	12/13/2021	12/16/2021	12/16/2021
					Sample Depth (ft bls):	21 - 23	0 - 2	4 - 6
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Phenanthrene	100	100	1000	MG/KG	0.12 U	0.34	0.35	
Phenol	0.33	100	0.33	MG/KG	0.2 U	0.21 U	0.21 U	
Pyrene	100	100	1000	MG/KG	0.12 U	1.6	0.6	

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:	SB-19	SB-19	SB-20
					Sample Date:	12/15/2021	12/15/2021	12/21/2021
					Sample Depth (ft bls):	0 - 2	8 - 10	0 - 2
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U	
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U	
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.19 U	0.22 U	0.18 U	
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.19 U	0.22 U	0.18 U	
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.19 U	0.22 U	0.18 U	
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.029 U	0.033 U	0.027 U	
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U	
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.11 U	0.13 U	0.11 U	
2,4-Dichlorophenol	--	--	--	MG/KG	0.17 U	0.2 U	0.16 U	
2,4-Dimethylphenol	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U	
2,4-Dinitrophenol	--	--	--	MG/KG	0.92 U	1 U	0.85 U	
2,4-Dinitrotoluene	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U	
2,6-Dinitrotoluene	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U	
2-Chloronaphthalene	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U	
2-Chlorophenol	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U	
2-Methylnaphthalene	--	--	--	MG/KG	0.16 J	0.26 U	0.21 U	
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.19 U	0.22 U	0.18 U	
2-Nitroaniline	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U	
2-Nitrophenol	--	--	--	MG/KG	0.41 U	0.47 U	0.38 U	
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U	
3-Nitroaniline	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U	
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.5 U	0.57 U	0.46 U	
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U	
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U	
4-Chloroaniline	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U	
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U	
4-Nitroaniline	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U	
4-Nitrophenol	--	--	--	MG/KG	0.27 U	0.31 U	0.25 U	
Acenaphthene	20	100	98	MG/KG	0.042 J	0.18 U	0.14 U	
Acenaphthylene	100	100	107	MG/KG	0.59	0.18 U	0.14 U	
Acetophenone	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U	
Anthracene	100	100	1000	MG/KG	0.42	0.13 U	0.11 U	
Benzo(A)Anthracene	1	1	1	MG/KG	1.2	0.13 U	0.12	

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:		
					Sample Date:		
					SB-19	SB-19	SB-20
					12/15/2021	12/15/2021	12/21/2021
Sample Depth (ft bls):					0 - 2	8 - 10	0 - 2
Benzo(A)Pyrene	1	1	22	MG/KG	0.99	0.18 U	0.14
Benzo(B)Fluoranthene	1	1	1.7	MG/KG	1.4	0.13 U	0.19
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.68	0.18 U	0.13 J
Benzo(K)Fluoranthene	0.8	3.9	1.7	MG/KG	0.32	0.13 U	0.053 J
Benzoic Acid	--	--	--	MG/KG	0.62 U	0.71 U	0.58 U
Benzyl Alcohol	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.057 J	0.5 U	0.4 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.21 U	0.24 U	0.19 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.17 U	0.2 U	0.16 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.23 U	0.26 U	0.21 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U
Carbazole	--	--	--	MG/KG	0.11 J	0.22 U	0.18 U
Chrysene	1	3.9	1	MG/KG	1.3	0.13 U	0.17
Dibenz(A,H)Anthracene	0.33	0.33	1000	MG/KG	0.17	0.13 U	0.037 J
Dibenzofuran	7	59	210	MG/KG	0.059 J	0.22 U	0.18 U
Diethyl Phthalate	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U
Dimethyl Phthalate	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.11 J	0.22 U	0.18 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U
Fluoranthene	100	100	1000	MG/KG	2.5	0.13 U	0.19
Fluorene	30	100	386	MG/KG	0.23	0.22 U	0.18 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.11 U	0.13 U	0.11 U
Hexachlorobutadiene	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.54 U	0.63 U	0.51 U
Hexachloroethane	--	--	--	MG/KG	0.15 U	0.18 U	0.14 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	8.2	MG/KG	0.72	0.18 U	0.14
Isophorone	--	--	--	MG/KG	0.17 U	0.2 U	0.16 U
Naphthalene	12	100	12	MG/KG	0.26	0.22 U	0.18 U
Nitrobenzene	--	--	--	MG/KG	0.17 U	0.2 U	0.16 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.19 U	0.22 U	0.18 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.15 U	0.18 U	0.14 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.15 U	0.18 U	0.14 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-19	SB-19	SB-20
					Sample Date:	12/15/2021	12/15/2021	12/21/2021
					Sample Depth (ft bls):	0 - 2	8 - 10	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Phenanthrene	100	100	1000	MG/KG	2.3	0.13 U	0.061 J	
Phenol	0.33	100	0.33	MG/KG	0.19 U	0.22 U	0.18 U	
Pyrene	100	100	1000	MG/KG	2.8	0.13 U	0.2	

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:
					SB-20
					Sample Date:
					12/21/2021
					Sample Depth (ft bls):
					3 - 5
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.19 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.19 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.19 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.19 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.19 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.029 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.19 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.12 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.18 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.19 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.94 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.19 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.19 U
2-Chloronaphthalene	--	--	--	MG/KG	0.19 U
2-Chlorophenol	--	--	--	MG/KG	0.19 U
2-Methylnaphthalene	--	--	--	MG/KG	0.23 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.19 U
2-Nitroaniline	--	--	--	MG/KG	0.19 U
2-Nitrophenol	--	--	--	MG/KG	0.42 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.19 U
3-Nitroaniline	--	--	--	MG/KG	0.19 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.51 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.19 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.19 U
4-Chloroaniline	--	--	--	MG/KG	0.19 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.19 U
4-Nitroaniline	--	--	--	MG/KG	0.19 U
4-Nitrophenol	--	--	--	MG/KG	0.27 U
Acenaphthene	20	100	98	MG/KG	0.16 U
Acenaphthylene	100	100	107	MG/KG	0.16 U
Acetophenone	--	--	--	MG/KG	0.19 U
Anthracene	100	100	1000	MG/KG	0.05 J
Benzo(A)Anthracene	1	1	1	MG/KG	0.2

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:
					SB-20
					Sample Date:
					12/21/2021
					Sample Depth (ft bls):
					3 - 5
Benzo(A)Pyrene	1	1	22	MG/KG	0.23
Benzo(B)Fluoranthene	1	1	1.7	MG/KG	0.3
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.19
Benzo(K)Fluoranthene	0.8	3.9	1.7	MG/KG	0.11 J
Benzoic Acid	--	--	--	MG/KG	0.63 U
Benzyl Alcohol	--	--	--	MG/KG	0.19 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.19 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.44 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.21 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.18 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.23 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.19 U
Carbazole	--	--	--	MG/KG	0.021 J
Chrysene	1	3.9	1	MG/KG	0.25
Dibenz(A,H)Anthracene	0.33	0.33	1000	MG/KG	0.047 J
Dibenzofuran	7	59	210	MG/KG	0.19 U
Diethyl Phthalate	--	--	--	MG/KG	0.19 U
Dimethyl Phthalate	--	--	--	MG/KG	0.19 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.19 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.19 U
Fluoranthene	100	100	1000	MG/KG	0.35
Fluorene	30	100	386	MG/KG	0.19 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.12 U
Hexachlorobutadiene	--	--	--	MG/KG	0.19 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.56 U
Hexachloroethane	--	--	--	MG/KG	0.16 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	8.2	MG/KG	0.23
Isophorone	--	--	--	MG/KG	0.18 U
Naphthalene	12	100	12	MG/KG	0.029 J
Nitrobenzene	--	--	--	MG/KG	0.18 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.19 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.16 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.16 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-20
					Sample Date:	12/21/2021
					Sample Depth (ft bls):	3 - 5
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit		
Phenanthrene	100	100	1000	MG/KG	0.18	
Phenol	0.33	100	0.33	MG/KG	0.19 U	
Pyrene	100	100	1000	MG/KG	0.31	

Table 3. Summary of Metals in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	DW-1	SB-1	SB-1A	SB-2	SB-3
					Sample Date:	12/15/2020	12/16/2020	12/18/2020	12/16/2020	12/15/2020
					Sample Depth (ft bls):	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	--	MG/KG	6000	8470	7880	8520	7200	
Antimony	--	--	--	MG/KG	1.41 J	1.59 J	5.08 U	1.2 J	2.01 J	
Arsenic	13	16	16	MG/KG	2.86	4.42	2.46	9.11	7.26	
Barium	350	400	820	MG/KG	33.9	87.3	49.4	58.3	171	
Beryllium	7.2	72	47	MG/KG	0.483 U	0.417 U	0.162 J	0.449 U	0.471 U	
Cadmium	2.5	4.3	7.5	MG/KG	0.473 J	0.592 J	0.304 J	0.449 J	1.12	
Calcium	--	--	--	MG/KG	2210	16300	1580	1980	15000	
Chromium, Total	30	180	--	MG/KG	22.5	20.4	17	16.4	13.8	
Cobalt	--	--	--	MG/KG	6.61	7.47	6.26	31.7	6.13	
Copper	50	270	1720	MG/KG	25.8	33.5	11.6	20	61.8	
Iron	--	--	--	MG/KG	13800	15200	13100	17200	15600	
Lead	63	400	450	MG/KG	27.9	92.3	10.6	10.8	416	
Magnesium	--	--	--	MG/KG	3350	8450	2520	2940	7150	
Manganese	1600	2000	2000	MG/KG	114	276	240	259	343	
Mercury	0.18	0.81	0.73	MG/KG	0.059 J	0.163	0.063 J	0.062 J	0.244	
Nickel	30	310	130	MG/KG	13.1	14.6	10.9	18.1	14.4	
Potassium	--	--	--	MG/KG	1660	2050	1180	1240	571	
Selenium	3.9	180	4	MG/KG	1.93 U	0.309 J	2.03 U	0.53 J	0.716 J	
Silver	2	180	8.3	MG/KG	2.98	0.834 U	1.02 U	0.899 U	3.96	
Sodium	--	--	--	MG/KG	191 J	232	420	226	100 J	
Thallium	--	--	--	MG/KG	1.93 U	1.67 U	2.03 U	1.8 U	1.88 U	
Vanadium	--	--	--	MG/KG	27.8	27.2	22.5	22.6	25.9	
Zinc	109	10000	2480	MG/KG	105	93.1	71.5	38	262	

Table 3. Summary of Metals in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:				
					SB-3	SB-4	SB-5	SB-6	SB-7
					12/18/2020	12/15/2020	12/15/2020	12/15/2020	12/21/2021
					24.5 - 25	0 - 2	0 - 2	0 - 2	0 - 2
					Sample Depth (ft bls):				
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aluminum	--	--	--	MG/KG	5010	8890	6410	7440	3920
Antimony	--	--	--	MG/KG	4.6 U	3.8 J	1.33 J	1.75 J	4.34 U
Arsenic	13	16	16	MG/KG	2.53	6.76	5.26	5.45	2.07
Barium	350	400	820	MG/KG	61.3	162	116	233	41.9
Beryllium	7.2	72	47	MG/KG	0.46 U	0.464 U	0.436 U	0.443 U	0.113 J
Cadmium	2.5	4.3	7.5	MG/KG	0.267 J	0.965	0.68 J	0.611 J	0.304 J
Calcium	--	--	--	MG/KG	2240	9620	34300	10300	13600
Chromium, Total	30	180	--	MG/KG	14.6	22.8	17.6	14.8	10.4
Cobalt	--	--	--	MG/KG	6.36	7.98	6.34	6.89	5.61
Copper	50	270	1720	MG/KG	13.4	71.3	35	55.1	12.8
Iron	--	--	--	MG/KG	10700	22500	13500	13900	8570
Lead	63	400	450	MG/KG	2.51 J	370	237	515	4.54
Magnesium	--	--	--	MG/KG	5600	4600	17200	5260	2220
Manganese	1600	2000	2000	MG/KG	398	331	323	215	150
Mercury	0.18	0.81	0.73	MG/KG	0.073 U	0.527	0.234	0.144	0.1
Nickel	30	310	130	MG/KG	13.9	16.4	12	35.5	10.2
Potassium	--	--	--	MG/KG	2110	1180	1210	1440	1280
Selenium	3.9	180	4	MG/KG	1.84 U	0.983 J	0.723 J	0.753 J	1.73 U
Silver	2	180	8.3	MG/KG	0.921 U	2.31	0.322 J	0.886 U	0.867 U
Sodium	--	--	--	MG/KG	147 J	933	640	230	246
Thallium	--	--	--	MG/KG	1.84 U	1.86 U	1.74 U	1.77 U	1.73 U
Vanadium	--	--	--	MG/KG	18.7	33.1	27.1	25.3	15.3
Zinc	109	10000	2480	MG/KG	32.4	309	144	185	31.8

Table 3. Summary of Metals in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:				
					SB-7	SB-8	SB-8	SB-9	SB-9
					12/21/2021	12/16/2021	12/16/2021	12/16/2021	12/16/2021
					2 - 4	0 - 2	2 - 4	0 - 2	2 - 4
					Sample Depth (ft bls):				
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aluminum	--	--	--	MG/KG	6840	6320	8700	7720	8320
Antimony	--	--	--	MG/KG	4.94 U	4.41 U	4.84 U	4.41 U	4.42 U
Arsenic	13	16	16	MG/KG	2.13	5.43	5.69	3.04	2.18
Barium	350	400	820	MG/KG	71.8	107	160	72.9	61.5
Beryllium	7.2	72	47	MG/KG	0.188 J	0.317 J	0.426 J	0.282 J	0.265 J
Cadmium	2.5	4.3	7.5	MG/KG	0.514 J	0.626 J	0.842 J	0.511 J	0.478 J
Calcium	--	--	--	MG/KG	2500	2590	1880	2810	1350
Chromium, Total	30	180	--	MG/KG	20.8	16.3	19.7	18.5	16.2
Cobalt	--	--	--	MG/KG	8.25	8.8	5.64	6.92	6.26
Copper	50	270	1720	MG/KG	20.5	32.7	41	23.9	18.7
Iron	--	--	--	MG/KG	14600	13600	13400	14000	13800
Lead	63	400	450	MG/KG	4.27 J	178	320	122	76.4
Magnesium	--	--	--	MG/KG	3980	2080	2320	2720	2510
Manganese	1600	2000	2000	MG/KG	212	224	262	211	304
Mercury	0.18	0.81	0.73	MG/KG	0.092 U	0.349	0.612	0.177	0.107
Nickel	30	310	130	MG/KG	14.6	16	11.3	14.4	11.5
Potassium	--	--	--	MG/KG	2420	1190	1030	1660	1210
Selenium	3.9	180	4	MG/KG	1.98 U	1.06 J	1.42 J	0.37 J	0.301 J
Silver	2	180	8.3	MG/KG	0.989 U	0.811 J	1.61	0.881 U	0.885 U
Sodium	--	--	--	MG/KG	136 J	346	170 J	203	99.6 J
Thallium	--	--	--	MG/KG	1.98 U	1.76 U	1.94 U	1.76 U	1.77 U
Vanadium	--	--	--	MG/KG	31.1	19.2	24.4	20.7	20.9
Zinc	109	10000	2480	MG/KG	43.7	128	164	82.9	73.3

Table 3. Summary of Metals in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:				
					SB-10	SB-10	SB-11	SB-11	SB-12
					12/21/2021	12/21/2021	12/21/2021	12/21/2021	12/13/2021
					Sample Date:				
					0 - 2	2 - 4	0 - 2	10 - 12	0 - 2
					Sample Depth (ft bls):				
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aluminum	--	--	--	MG/KG	5810	10800	7540	6970	5280
Antimony	--	--	--	MG/KG	0.474 J	4.53 U	4.35 U	4.57 U	0.487 J
Arsenic	13	16	16	MG/KG	7.16	2.74	3.34	2.61	7.18
Barium	350	400	820	MG/KG	115	93.8	60.3	68.8	64.5
Beryllium	7.2	72	47	MG/KG	0.257 J	0.381 J	0.322 J	0.265 J	0.258 J
Cadmium	2.5	4.3	7.5	MG/KG	0.701 J	0.481 J	0.488 J	0.512 J	0.525 J
Calcium	--	--	--	MG/KG	1800	1050	1990	3290	3350
Chromium, Total	30	180	--	MG/KG	12.2	21.1	15.6	16.9	9.71
Cobalt	--	--	--	MG/KG	7.33	7.06	6.6	5.33	5.64
Copper	50	270	1720	MG/KG	36.4	14.4	15.9	17	25.9
Iron	--	--	--	MG/KG	14800	15300	12500	11800	8900
Lead	63	400	450	MG/KG	277	55	37.4	127	192
Magnesium	--	--	--	MG/KG	1820	2870	2760	3200	1530
Manganese	1600	2000	2000	MG/KG	181	181	302	222	214
Mercury	0.18	0.81	0.73	MG/KG	0.514	0.168	0.342	0.077 U	0.131
Nickel	30	310	130	MG/KG	12.2	11.1	12.2	10	10.5
Potassium	--	--	--	MG/KG	935	882	1100	1360	481
Selenium	3.9	180	4	MG/KG	1.97 U	1.81 U	1.74 U	1.83 U	1.91 U
Silver	2	180	8.3	MG/KG	0.622 J	0.907 U	0.871 U	0.914 U	0.954 U
Sodium	--	--	--	MG/KG	146 J	89.7 J	91.7 J	116 J	453
Thallium	--	--	--	MG/KG	1.97 U	1.81 U	1.74 U	1.83 U	1.91 U
Vanadium	--	--	--	MG/KG	20.4	28.8	21.1	21.8	21
Zinc	109	10000	2480	MG/KG	116	60.6	56.3	80.4	303

Table 3. Summary of Metals in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-12	SB-13	SB-13	SB-14	SB-14
					Sample Date:	12/13/2021	12/13/2021	12/13/2021	12/14/2021	12/14/2021
					Sample Depth (ft bls):	5 - 7	0 - 2	5 - 7	0 - 2	3 - 5
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	--	MG/KG	5780	3820	8600	5520	5760	
Antimony	--	--	--	MG/KG	4.67 U	4.53 U	5.03 U	4.85 U	0.945 J	
Arsenic	13	16	16	MG/KG	2.11	3.34	3.05	1.22	2.08	
Barium	350	400	820	MG/KG	77.9	48	63.5	92.1	94.3	
Beryllium	7.2	72	47	MG/KG	0.327 J	0.109 J	0.322 J	0.155 J	0.216 J	
Cadmium	2.5	4.3	7.5	MG/KG	0.589 J	0.399 J	0.523 J	0.272 J	0.333 J	
Calcium	--	--	--	MG/KG	2300	48700	1240	16900	5880	
Chromium, Total	30	180	--	MG/KG	9.98	7.63	21.3	12.1	11.6	
Cobalt	--	--	--	MG/KG	2.71	4.43	6.42	5.79	5.04	
Copper	50	270	1720	MG/KG	12	21.1	18.4	16.7	19.8	
Iron	--	--	--	MG/KG	7420	8570	15600	9940	10600	
Lead	63	400	450	MG/KG	92.1	65.7	68.8	72.6	144	
Magnesium	--	--	--	MG/KG	1780	22700	3190	10800	4070	
Manganese	1600	2000	2000	MG/KG	71.1	159	239	158	164	
Mercury	0.18	0.81	0.73	MG/KG	0.142	0.084 U	0.087 J	0.131	0.224	
Nickel	30	310	130	MG/KG	4.75	7.7	11.1	10.6	9.24	
Potassium	--	--	--	MG/KG	384	842	1880	1580	1350	
Selenium	3.9	180	4	MG/KG	1.87 U	1.81 U	2.01 U	1.94 U	1.8 U	
Silver	2	180	8.3	MG/KG	0.935 U	0.907 U	1.01 U	0.971 U	0.9 U	
Sodium	--	--	--	MG/KG	415	318	162 J	103 J	76.3 J	
Thallium	--	--	--	MG/KG	1.87 U	1.81 U	0.403 J	1.94 U	1.8 U	
Vanadium	--	--	--	MG/KG	8.99	28.5	27.2	18.9	17.4	
Zinc	109	10000	2480	MG/KG	89.8	55.9	51.8	44	119	

Table 3. Summary of Metals in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:				
					SB-15	SB-15	SB-16	SB-16	SB-17
					12/13/2021	12/13/2021	12/14/2021	12/14/2021	12/13/2021
					Sample Depth (ft bls):				
					0 - 2	6 - 8	0 - 2	4 - 6	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aluminum	--	--	--	MG/KG	5670	4610	4600	1560	3120
Antimony	--	--	--	MG/KG	4.8 U	4.3 U	1.42 J	4.24 U	4.44 U
Arsenic	13	16	16	MG/KG	6.61	5.08	2.3	0.204 J	3.99
Barium	350	400	820	MG/KG	92	77.5	61.1	4.19	41.3
Beryllium	7.2	72	47	MG/KG	0.24 J	0.164 J	0.172 J	0.424 U	0.106 J
Cadmium	2.5	4.3	7.5	MG/KG	0.605 J	0.379 J	0.615 J	0.195 J	0.488 J
Calcium	--	--	--	MG/KG	35400	76100	10000	22700	65200
Chromium, Total	30	180	--	MG/KG	10.5	9.42	12.2	2	7.47
Cobalt	--	--	--	MG/KG	5.47	3.68	4.01	3.88	4.48
Copper	50	270	1720	MG/KG	20.4	14.9	25	14.6	31.7
Iron	--	--	--	MG/KG	10300	6800	8260	6600	9060
Lead	63	400	450	MG/KG	93	53.2	382	3.08 J	79.6
Magnesium	--	--	--	MG/KG	14000	23200	3990	13600	37800
Manganese	1600	2000	2000	MG/KG	157	126	163	80.5	160
Mercury	0.18	0.81	0.73	MG/KG	0.122	0.072	0.121	0.067 J	0.144
Nickel	30	310	130	MG/KG	8.12	9.08	12	3.45	8.76
Potassium	--	--	--	MG/KG	1760	994	1010	82.9 J	637
Selenium	3.9	180	4	MG/KG	1.92 U	1.72 U	1.64 U	1.7 U	1.78 U
Silver	2	180	8.3	MG/KG	0.96 U	0.861 U	0.254 J	1.58	0.888 U
Sodium	--	--	--	MG/KG	402	473	196	513	639
Thallium	--	--	--	MG/KG	1.92 U	1.72 U	1.64 U	1.7 U	1.78 U
Vanadium	--	--	--	MG/KG	19.5	16.1	19.7	29.4	27.7
Zinc	109	10000	2480	MG/KG	95	45.2	138	15.8	82.9

Table 3. Summary of Metals in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-17	SB-18	SB-18	SB-19	SB-19
					Sample Date:	12/13/2021	12/16/2021	12/16/2021	12/15/2021	12/15/2021
					Sample Depth (ft bls):	21 - 23	0 - 2	4 - 6	0 - 2	8 - 10
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	--	MG/KG	5320	8530	8070	4740	8630	
Antimony	--	--	--	MG/KG	4.61 U	4.8 U	4.77 U	0.634 J	5.22 U	
Arsenic	13	16	16	MG/KG	1.99	2.98	2.82	6.54	1.83	
Barium	350	400	820	MG/KG	49.7	73.8	65.1	77.4	71.2	
Beryllium	7.2	72	47	MG/KG	0.129 J	0.259 J	0.267 J	0.211 J	0.219 J	
Cadmium	2.5	4.3	7.5	MG/KG	0.378 J	0.586 J	0.42 J	0.748 J	0.606 J	
Calcium	--	--	--	MG/KG	1890	6220	2550	2280	1930	
Chromium, Total	30	180	--	MG/KG	31.9	19.3	15.7	11.4	28.9	
Cobalt	--	--	--	MG/KG	6.38	10.5	4.79	8.51	9.22	
Copper	50	270	1720	MG/KG	13.1	43.4	16.5	22.6	24.1	
Iron	--	--	--	MG/KG	11600	15800	12400	12600	16600	
Lead	63	400	450	MG/KG	4.28 J	87	81.3	152	4.33 J	
Magnesium	--	--	--	MG/KG	2980	2890	2140	1550	4800	
Manganese	1600	2000	2000	MG/KG	230	218	175	139	302	
Mercury	0.18	0.81	0.73	MG/KG	0.078 U	0.136	0.142	0.214	0.092 U	
Nickel	30	310	130	MG/KG	13.4	10.3	7.95	11.1	19	
Potassium	--	--	--	MG/KG	1570	1050	747	863	2370	
Selenium	3.9	180	4	MG/KG	1.84 U	1.92 U	1.91 U	0.326 J	2.09 U	
Silver	2	180	8.3	MG/KG	0.923 U	0.96 U	0.954 U	0.88 U	1.04 U	
Sodium	--	--	--	MG/KG	649	130 J	66.5 J	237	146 J	
Thallium	--	--	--	MG/KG	1.84 U	1.92 U	1.91 U	1.76 U	2.09 U	
Vanadium	--	--	--	MG/KG	20	25.2	20.6	14.4	30.8	
Zinc	109	10000	2480	MG/KG	28.7	96.1	99.7	134	45.9	

Table 3. Summary of Metals in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-20	SB-20
					Sample Date:	12/21/2021	12/21/2021
					Sample Depth (ft bls):	0 - 2	3 - 5
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit			
Aluminum	--	--	--	MG/KG	3000		5790
Antimony	--	--	--	MG/KG	4.11 U		0.769 J
Arsenic	13	16	16	MG/KG	2.16		4.14
Barium	350	400	820	MG/KG	22.2		94.5
Beryllium	7.2	72	47	MG/KG	0.066 J		0.356 J
Cadmium	2.5	4.3	7.5	MG/KG	0.362 J		0.909 J
Calcium	--	--	--	MG/KG	54300		2760
Chromium, Total	30	180	--	MG/KG	32.7		11.4
Cobalt	--	--	--	MG/KG	3.84		6.36
Copper	50	270	1720	MG/KG	19.1		61
Iron	--	--	--	MG/KG	7550		9950
Lead	63	400	450	MG/KG	136		180
Magnesium	--	--	--	MG/KG	24200		2010
Manganese	1600	2000	2000	MG/KG	127		192
Mercury	0.18	0.81	0.73	MG/KG	0.071 U		0.179
Nickel	30	310	130	MG/KG	7.71		13.4
Potassium	--	--	--	MG/KG	538		1260
Selenium	3.9	180	4	MG/KG	1.64 U		1.88 U
Silver	2	180	8.3	MG/KG	0.822 U		0.938 U
Sodium	--	--	--	MG/KG	169		224
Thallium	--	--	--	MG/KG	1.64 U		1.88 U
Vanadium	--	--	--	MG/KG	27		20.7
Zinc	109	10000	2480	MG/KG	58.8		1730

Table 4. Summary of Polychlorinated Biphenyls in Soil, 115 South MacQuesten Parkway, Mount Vernon, New York

					Sample Designation:	SB-16	SB-16	SB-6
					Sample Date:	12/14/2021	12/14/2021	12/15/2020
					Sample Depth (ft bls):	0 - 2	4 - 6	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.094 U	0.103 U	0.0374 U	
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.094 U	0.103 U	0.0374 U	
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.094 U	0.103 U	0.0374 U	
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.094 U	0.103 U	0.0374 U	
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.094 U	0.103 U	0.0374 U	
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.0153 J	0.103 U	0.0374 U	
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.094 U	0.103 U	0.0374 U	
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.094 U	0.103 U	0.0374 U	
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.094 U	0.103 U	0.0374 U	
Polychlorinated Biphenyl (PCBs)	0.1	1	3.2	MG/KG	0.0153 J	0.103 U	0.0374 U	

Table 5. Summary of Volatile Organic Compounds in Groundwater, 115 South MacQuesten Parkway, Mount Vernon, New York

			Sample Designation:			
			TW-1	TW-3	TW-4	TW-6
			12/18/2020	12/18/2020	12/13/2021	12/15/2021
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit				
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	--	UG/L	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	--	UG/L	250 U	250 U	250 U	250 U
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	2 U
Acetone	50	UG/L	4.5 J	3.4 J	3.2 J	3.2 J
Acrylonitrile	5	UG/L	5 U	5 U	5 U	5 U
Benzene	1	UG/L	0.17 J	0.27 J	0.5 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U

Table 5. Summary of Volatile Organic Compounds in Groundwater, 115 South MacQuesten Parkway, Mount Vernon, New York

		Sample Designation:				
		TW-1	TW-3	TW-4	TW-6	
		Sample Date:				
		12/18/2020	12/18/2020	12/13/2021	12/15/2021	
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit				
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	UG/L	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	0.7 J	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	UG/L	2.5 U	2.5 U	0.77 J	0.7 J
Chloromethane	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U
Dichloroethylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.62	1.1	0.7	0.59

Table 5. Summary of Volatile Organic Compounds in Groundwater, 115 South MacQuesten Parkway, Mount Vernon, New York

			Sample Designation:			
			TW-1	TW-3	TW-4	TW-6
			Sample Date:			
			12/18/2020	12/18/2020	12/13/2021	12/15/2021
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit				
Toluene	5	UG/L	2.5 U	1.6 J	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	5	UG/L	0.54	2.5	0.62	1.9
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U	5 U	5 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	1 U
Xylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U

Table 6. Summary of Semivolatile Organic Compounds in Groundwater, 115 South MacQuesten Parkway, Mount Vernon, New York

Sample Designation:			TW-1	TW-3	TW-4	TW-6
Sample Date:			12/18/2020	12/18/2020	12/13/2021	12/15/2021
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit				
1,2,4,5-Tetrachlorobenzene	--	UG/L	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	UG/L	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U
2,4,5-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	UG/L	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	UG/L	5 U	5 U	5 U	5 U
2,4-Dinitrophenol	10	UG/L	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10	UG/L	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	--	UG/L	2 U	2 U	2 U	2 U
2-Methylnaphthalene	--	UG/L	0.07 J	0.29	0.1 U	0.07 J
2-Methylphenol (O-Cresol)	--	UG/L	5 U	5 U	5 U	5 U
2-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U
2-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	UG/L	5 U	5 U	5 U	5 U
3-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U
4,6-Dinitro-2-Methylphenol	--	UG/L	10 U	10 U	10 U	10 U
4-Bromophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U
4-Chloro-3-Methylphenol	--	UG/L	2 U	2 U	2 U	2 U
4-Chloroaniline	5	UG/L	5 U	5 U	5 U	5 U
4-Chlorophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U
4-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U
4-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U
Acenaphthene	20	UG/L	0.1 U	0.04 J	0.1 U	0.1 U
Acenaphthylene	20	UG/L	0.1 U	0.02 J	0.01 J	0.1 U
Acetophenone	--	UG/L	5 U	5 U	5 U	5 U
Anthracene	50	UG/L	0.02 J	0.03 J	0.02 J	0.02 J
Benzo(A)Anthracene	0.002	UG/L	0.03 J	0.08 J	0.1 U	0.04 J
Benzo(A)Pyrene	0	UG/L	0.02 J	0.06 J	0.1 U	0.1 U

Table 6. Summary of Semivolatile Organic Compounds in Groundwater, 115 South MacQuesten Parkway, Mount Vernon, New York

		Sample Designation:	TW-1	TW-3	TW-4	TW-6
		Sample Date:	12/18/2020	12/18/2020	12/13/2021	12/15/2021
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit				
Benzo(B)Fluoranthene	0.002	UG/L	0.02 J	0.07 J	0.01 J	0.02 J
Benzo(G,H,I)Perylene	--	UG/L	0.1 U	0.04 J	0.1 U	0.1 U
Benzo(K)Fluoranthene	0.002	UG/L	0.01 J	0.03 J	0.1 U	0.1 U
Benzoic Acid	--	UG/L	8.6 J	10 J	50 U	9.8 J
Benzyl Alcohol	--	UG/L	2 U	0.69 J	2 U	2 U
Benzyl Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U
Biphenyl (Diphenyl)	--	UG/L	2 U	2 U	2 U	2 U
Bis(2-Chloroethoxy) Methane	5	UG/L	5 U	5 U	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	2 U	2 U	2 U	2 U
Bis(2-Chloroisopropyl) Ether	5	UG/L	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L	3 U	3 U	3 U	1.8 J
Carbazole	--	UG/L	2 U	2 U	2 U	2 U
Chrysene	0.002	UG/L	0.02 J	0.06 J	0.1 U	0.02 J
Dibenz(A,H)Anthracene	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U
Dibenzofuran	--	UG/L	2 U	2 U	2 U	2 U
Diethyl Phthalate	50	UG/L	5 U	0.77 J	5 U	5 U
Dimethyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U
Di-N-Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U
Di-N-Octylphthalate	--	UG/L	5 U	5 U	5 U	5 U
Fluoranthene	50	UG/L	0.04 J	0.15	0.03 J	0.05 J
Fluorene	50	UG/L	0.04 J	0.14	0.02 J	0.02 J
Hexachlorobenzene	0.04	UG/L	0.8 U	0.8 U	0.8 U	0.8 U
Hexachlorobutadiene	0.5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	UG/L	20 U	20 U	20 U	20 U
Hexachloroethane	5	UG/L	0.8 U	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-C,D)Pyrene	0.002	UG/L	0.1 U	0.04 J	0.1 U	0.1 U
Isophorone	50	UG/L	5 U	5 U	5 U	5 U
Naphthalene	10	UG/L	0.07 J	0.13	0.1 U	0.09 J
Nitrobenzene	0.4	UG/L	2 U	2 U	2 U	2 U
N-Nitrosodi-N-Propylamine	--	UG/L	5 U	5 U	5 U	5 U
N-Nitrosodiphenylamine	50	UG/L	2 U	2 U	2 U	2 U
Pentachlorophenol	1	UG/L	0.8 U	0.8 U	0.8 U	0.8 U
Phenanthrene	50	UG/L	0.08 J	0.15	0.08 J	0.11

Table 6. Summary of Semivolatile Organic Compounds in Groundwater, 115 South MacQuesten Parkway, Mount Vernon, New York

			Sample Designation:	TW-1	TW-3	TW-4	TW-6
			Sample Date:	12/18/2020	12/18/2020	12/13/2021	12/15/2021
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit					
Phenol	1	UG/L	5 U	5 U	5 U	5 U	5 U
Pyrene	50	UG/L	0.04 J	0.14	0.03 J	0.06 J	0.06 J

Table 7. Summary of Metals in Groundwater, 115 South MacQuesten Parkway, Mount Vernon, New York

Sample Designation: Sample Date:			TW-1	TW-1	TW-3	TW-3	TW-4	TW-4	TW-6
			12/18/2020	12/18/2020	12/18/2020	12/18/2020	12/13/2021	12/13/2021	12/15/2021
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
			Aluminum	--	UG/L	2180	181	24400	37.7
Antimony	3	UG/L	8 U	0.52 J	8 U	0.7 J	4 U	4 U	0.44 J
Arsenic	25	UG/L	1.05	0.21 J	8.86	0.18 J	18.33	0.24 J	0.5 U
Barium	1000	UG/L	1066	56.33	2819	91.68	1574	95.28	85.42
Beryllium	3	UG/L	0.31 J	0.5 U	0.91 J	0.5 U	2.1	0.5 U	0.5 U
Cadmium	5	UG/L	1.04	0.2 U	2.77	0.2 U	1.01	0.2 U	0.2 U
Calcium	--	UG/L	1080000	87900	1320000	88000	99800	76200	66900
Chromium, Total	50	UG/L	17.63	2.23	117.1	1 U	222.4	0.42 J	0.36 J
Cobalt	--	UG/L	150.7	4.54	65.78	2.37	87.83	0.83	0.48 J
Copper	200	UG/L	15.85	3.22	114.6	0.76 J	213	1.04	0.71 J
Iron	300	UG/L	14200	288	67300	75.5	131000	246	52.5
Lead	25	UG/L	2.47	1 U	44.59	1 U	104.6	1 U	1 U
Magnesium	35000	UG/L	99400	33100	206000	29100	71700	19700	21300
Manganese	300	UG/L	8155	680.8	14790	666.3	4214	61.4	2.21
Mercury	0.7	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	132.1	7.93	182	5.38	173.3	1.38 J	1.59 J
Potassium	--	UG/L	13000	6560	44000	6750	33000	4790	4430
Selenium	10	UG/L	10 U	5 U	4.95 J	2.16 J	35.8	1.8 J	2.02 J
Silver	50	UG/L	0.8 U	0.4 U	0.8 U	0.4 U	0.39 J	0.4 U	0.4 U
Sodium	20000	UG/L	134000	125000	219000	153000	129000	136000	125000
Thallium	0.5	UG/L	1 U	0.5 U	1.57	0.5 U	1.98	0.27 J	0.33 J
Vanadium	--	UG/L	6.48 J	5 U	103.3	5 U	181.6	5 U	5 U
Zinc	2000	UG/L	50.42	10 U	158.5	10 U	400.2	10 U	10 U

Table 8. Summary of Volatile Organic Compounds in Soil Vapor, 115 South MacQuesten Parkway, Mount Vernon, New York

Sample Designation:		SV-1	SV-2	SV-3	SV-4	SV-5	SV-6	SV-7	SV-8
Sample Date:		12/21/2020	12/21/2020	12/21/2020	12/21/2020	12/21/2020	12/21/2020	12/21/2021	12/21/2021
Parameter	Unit								
1,1,1-Trichloroethane (TCA)	UG/M3	8.57	1.68	1.09 U	26800	172	1.09 U	1.24 U	4390
1,1,2,2-Tetrachloroethane	UG/M3	1.37 U	1.37 U	1.37 U	21.2 U	1.37 U	1.37 U	1.56 U	76.9 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	1.53 U	1.53 U	1.53 U	23.6 U	1.53 U	1.53 U	1.74 U	85.8 U
1,1,2-Trichloroethane	UG/M3	1.09 U	1.09 U	1.09 U	16.8 U	1.09 U	1.09 U	1.24 U	61.1 U
1,1-Dichloroethane	UG/M3	0.809 U	0.809 U	0.809 U	611	4.21	0.809 U	0.919 U	490
1,1-Dichloroethene	UG/M3	0.793 U	0.793 U	0.793 U	12.2 U	0.793 U	0.793 U	0.9 U	44.4 U
1,2,4-Trichlorobenzene	UG/M3	1.48 U	1.48 U	1.48 U	22.9 U	1.48 U	1.48 U	1.69 U	83.1 U
1,2,4-Trimethylbenzene	UG/M3	0.983 U	0.983 U	0.983 U	15.1 U	0.983 U	0.983 U	1.46	55.1 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	1.54 U	1.54 U	1.54 U	23.7 U	1.54 U	1.54 U	1.74 U	86.1 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	18.5 U	1.2 U	1.2 U	1.36 U	67.3 U
1,2-Dichloroethane	UG/M3	0.809 U	0.809 U	0.809 U	12.5 U	0.809 U	0.809 U	0.919 U	45.3 U
1,2-Dichloropropane	UG/M3	0.924 U	0.924 U	0.924 U	14.2 U	0.924 U	0.924 U	1.05 U	51.8 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 U	1.4 U	21.5 U	1.4 U	1.4 U	1.59 U	78.3 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.983 U	0.983 U	0.983 U	15.1 U	0.983 U	0.983 U	1.12 U	55.1 U
1,3-Butadiene	UG/M3	0.442 U	0.442 U	0.442 U	6.81 U	0.442 U	0.442 U	0.502 U	24.8 U
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	18.5 U	1.2 U	1.2 U	1.36 U	67.3 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	18.5 U	1.2 U	1.2 U	1.36 U	67.3 U
1,4-Dioxane (P-Dioxane)	UG/M3	0.721 U	0.721 U	0.721 U	11.1 U	0.721 U	0.721 U	0.818 U	40.4 U
2,2,4-Trimethylpentane	UG/M3	0.934 U	0.934 U	1.1	14.4 U	0.934 U	0.934 U	1.06 U	52.3 U
2-Hexanone	UG/M3	0.82 U	0.82 U	0.82 U	12.6 U	0.82 U	2.49	0.93 U	45.9 U
4-Ethyltoluene	UG/M3	0.983 U	0.983 U	0.983 U	15.1 U	0.983 U	0.983 U	1.12 U	55.1 U
Acetone	UG/M3	5.11	5.87	259	36.6 U	6.72	17.8	55.6	133 U
Allyl Chloride (3-Chloropropene)	UG/M3	0.626 U	0.626 U	0.626 U	9.64 U	0.626 U	0.626 U	0.711 U	35.1 U
Benzene	UG/M3	0.639 U	0.639 U	1.59	9.84 U	0.639 U	0.639 U	0.802	35.8 U
Benzyl Chloride	UG/M3	1.04 U	1.04 U	1.04 U	15.9 U	1.04 U	1.04 U	1.18 U	58 U
Bromodichloromethane	UG/M3	1.34 U	1.34 U	1.34 U	20.6 U	1.34 U	1.34 U	1.52 U	75 U
Bromoform	UG/M3	2.07 U	2.07 U	2.07 U	31.8 U	2.07 U	2.07 U	2.35 U	116 U
Bromomethane	UG/M3	0.777 U	0.777 U	0.777 U	12 U	0.777 U	0.777 U	0.881 U	43.5 U
Carbon Disulfide	UG/M3	2.04	0.623 U	0.623 U	9.59 U	0.623 U	0.623 U	1.4	34.9 U
Carbon Tetrachloride	UG/M3	1.9	1.26 U	1.26 U	19.4 U	1.26 U	1.26 U	1.43 U	70.5 U
Chlorobenzene	UG/M3	0.921 U	0.921 U	0.921 U	14.2 U	0.921 U	0.921 U	1.05 U	51.6 U
Chloroethane	UG/M3	0.528 U	0.528 U	0.528 U	8.13 U	0.528 U	0.528 U	0.599 U	29.6 U
Chloroform	UG/M3	26.4	4.86	1.61	32.2	34	0.977 U	1.11 U	57.1
Chloromethane	UG/M3	0.413 U	0.413 U	0.952	6.36 U	0.413 U	0.413 U	0.469 U	23.1 U
Cis-1,2-Dichloroethylene	UG/M3	0.793 U	0.793 U	0.793 U	12.2 U	0.833	0.793 U	0.9 U	65.4
Cis-1,3-Dichloropropene	UG/M3	0.908 U	0.908 U	0.908 U	14 U	0.908 U	0.908 U	1.03 U	50.8 U

Table 8. Summary of Volatile Organic Compounds in Soil Vapor, 115 South MacQuesten Parkway, Mount Vernon, New York

Sample Designation:		SV-1	SV-2	SV-3	SV-4	SV-5	SV-6	SV-7	SV-8
Sample Date:		12/21/2020	12/21/2020	12/21/2020	12/21/2020	12/21/2020	12/21/2020	12/21/2021	12/21/2021
Parameter	Unit								
Cyclohexane	UG/M3	0.688 U	0.688 U	59.9	10.6 U	0.688 U	0.688 U	6.2	38.6 U
Dibromochloromethane	UG/M3	1.7 U	1.7 U	1.7 U	26.2 U	1.7 U	1.7 U	1.93 U	95.4 U
Dichlorodifluoromethane	UG/M3	2.03	1.91	2.06	15.2 U	1.95	2.03	2.44	55.4 U
Ethanol	UG/M3	72.5	124	311	283	168	43	993	528 U
Ethyl Acetate	UG/M3	1.8 U	1.8 U	1.8 U	27.8 U	1.8 U	1.8 U	2.05 U	101 U
Ethylbenzene	UG/M3	0.869 U	0.869 U	0.869 U	13.4 U	0.869 U	0.869 U	3.71	48.6 U
Hexachlorobutadiene	UG/M3	2.13 U	2.13 U	2.13 U	32.9 U	2.13 U	2.13 U	2.42 U	119 U
Isopropanol	UG/M3	5.19	7.18	35.9	19 U	8.43	20.9	20.6	68.8 U
m,p-Xylene	UG/M3	2.04	1.74 U	1.74 U	26.8 U	1.74 U	2.77	15.6	97.3 U
Methyl Ethyl Ketone (2-Butanone)	UG/M3	1.47 U	1.47 U	16.8	22.7 U	1.47 U	9.32	3.45	82.6 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	2.05 U	2.05 U	2.05 U	31.6 U	2.05 U	2.05 U	2.33 U	115 U
Methylene Chloride	UG/M3	1.74 U	1.74 U	52.8	26.8 U	1.74 U	2.11	1.97 U	97.3 U
N-Heptane	UG/M3	0.82 U	0.82 U	14.4	12.6 U	0.82 U	0.82 U	1.76	45.9 U
N-Hexane	UG/M3	1.83	0.779	74.4	10.9 U	1.18	0.923	3.09	39.5 U
O-Xylene (1,2-Dimethylbenzene)	UG/M3	1.04	0.869 U	0.869 U	13.4 U	0.869 U	1.24	7.6	48.6 U
Styrene	UG/M3	0.852 U	0.852 U	0.852 U	13.1 U	0.852 U	0.852 U	4.81	47.7 U
Tert-Butyl Alcohol	UG/M3	1.52 U	1.52 U	1.52 U	23.4 U	2.86	5.18	21.1	84.9 U
Tert-Butyl Methyl Ether	UG/M3	0.721 U	0.721 U	0.721 U	11.1 U	0.721 U	0.721 U	0.818 U	40.4 U
Tetrachloroethylene (PCE)	UG/M3	117	28.8	1.36 U	42.7	55.1	24.6	4.79	612
Tetrahydrofuran	UG/M3	1.47 U	1.47 U	8.55	22.7 U	1.47 U	1.47 U	1.68 U	82.6 U
Toluene	UG/M3	2.14	0.942	66.7	11.6 U	6.22	3.07	8.71	42.2 U
Trans-1,2-Dichloroethene	UG/M3	0.793 U	0.793 U	0.793 U	12.2 U	0.793 U	0.793 U	0.9 U	44.4 U
Trans-1,3-Dichloropropene	UG/M3	0.908 U	0.908 U	0.908 U	14 U	0.908 U	0.908 U	1.03 U	50.8 U
Trichloroethylene (TCE)	UG/M3	227	88.1	7.04	2560	64.5	1.07 U	5.37	21100
Trichlorofluoromethane	UG/M3	1.98	1.12 U	1.12 U	17.3 U	1.12 U	1.39	1.28 U	62.9 U
Vinyl Bromide	UG/M3	0.874 U	0.874 U	0.874 U	13.5 U	0.874 U	0.874 U	0.992 U	49 U
Vinyl Chloride	UG/M3	0.511 U	0.511 U	0.511 U	7.87 U	0.511 U	0.511 U	0.58 U	28.6 U

Table 8. Summary of Volatile Organic Compounds in Soil Vapor, 115 South MacQuesten Parkway, Mount Vernon, New York

Sample Designation:		SV-9	SV-10
Sample Date:		12/21/2021	12/21/2021
Parameter	Unit		
1,1,1-Trichloroethane (TCA)	UG/M3	3730	1.09 U
1,1,2,2-Tetrachloroethane	UG/M3	11.5 U	1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	12.8 U	1.53 U
1,1,2-Trichloroethane	UG/M3	9.11 U	1.09 U
1,1-Dichloroethane	UG/M3	332	0.809 U
1,1-Dichloroethene	UG/M3	6.62 U	0.793 U
1,2,4-Trichlorobenzene	UG/M3	12.4 U	1.48 U
1,2,4-Trimethylbenzene	UG/M3	8.21 U	0.983 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	12.8 U	1.54 U
1,2-Dichlorobenzene	UG/M3	10 U	1.2 U
1,2-Dichloroethane	UG/M3	6.76 U	0.809 U
1,2-Dichloropropane	UG/M3	7.72 U	0.924 U
1,2-Dichlorotetrafluoroethane	UG/M3	11.7 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	8.21 U	0.983 U
1,3-Butadiene	UG/M3	3.69 U	0.442 U
1,3-Dichlorobenzene	UG/M3	10 U	1.2 U
1,4-Dichlorobenzene	UG/M3	10 U	1.2 U
1,4-Dioxane (P-Dioxane)	UG/M3	6.02 U	0.721 U
2,2,4-Trimethylpentane	UG/M3	7.8 U	0.934 U
2-Hexanone	UG/M3	6.84 U	6.27
4-Ethyltoluene	UG/M3	8.21 U	0.983 U
Acetone	UG/M3	25.7	41.8
Allyl Chloride (3-Chloropropene)	UG/M3	5.23 U	0.626 U
Benzene	UG/M3	5.34 U	2.39
Benzyl Chloride	UG/M3	8.65 U	1.04 U
Bromodichloromethane	UG/M3	11.2 U	1.34 U
Bromoform	UG/M3	17.3 U	2.07 U
Bromomethane	UG/M3	6.48 U	0.777 U
Carbon Disulfide	UG/M3	5.2 U	12.5
Carbon Tetrachloride	UG/M3	10.5 U	1.26 U
Chlorobenzene	UG/M3	7.69 U	0.921 U
Chloroethane	UG/M3	4.41 U	0.528 U
Chloroform	UG/M3	39.7	0.977 U
Chloromethane	UG/M3	3.45 U	0.444
Cis-1,2-Dichloroethylene	UG/M3	6.62 U	34.8
Cis-1,3-Dichloropropene	UG/M3	7.58 U	0.908 U

Table 8. Summary of Volatile Organic Compounds in Soil Vapor, 115 South MacQuesten Parkway, Mount Vernon, New York

Sample Designation:		SV-9	SV-10
Sample Date:		12/21/2021	12/21/2021
Parameter	Unit		
Cyclohexane	UG/M3	5.75 U	28.7
Dibromochloromethane	UG/M3	14.2 U	1.7 U
Dichlorodifluoromethane	UG/M3	8.26 U	0.989 U
Ethanol	UG/M3	78.6 U	10.2
Ethyl Acetate	UG/M3	15 U	1.8 U
Ethylbenzene	UG/M3	7.25 U	0.869 U
Hexachlorobutadiene	UG/M3	17.8 U	2.13 U
Isopropanol	UG/M3	10.3 U	1.84
m,p-Xylene	UG/M3	16.2	1.74 U
Methyl Ethyl Ketone (2-Butanone)	UG/M3	12.3 U	53.7
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	17.1 U	2.05 U
Methylene Chloride	UG/M3	14.5 U	1.74 U
N-Heptane	UG/M3	6.84 U	5.66
N-Hexane	UG/M3	5.89 U	27.5
O-Xylene (1,2-Dimethylbenzene)	UG/M3	7.73	0.869 U
Styrene	UG/M3	7.11 U	0.852 U
Tert-Butyl Alcohol	UG/M3	12.6 U	1.52 U
Tert-Butyl Methyl Ether	UG/M3	6.02 U	0.721 U
Tetrachloroethylene (PCE)	UG/M3	26.9	2.43
Tetrahydrofuran	UG/M3	12.3 U	1.47 U
Toluene	UG/M3	6.29 U	2.74
Trans-1,2-Dichloroethene	UG/M3	6.62 U	4.44
Trans-1,3-Dichloropropene	UG/M3	7.58 U	0.908 U
Trichloroethylene (TCE)	UG/M3	2640	3.57
Trichlorofluoromethane	UG/M3	9.38 U	1.12 U
Vinyl Bromide	UG/M3	7.3 U	0.874 U
Vinyl Chloride	UG/M3	4.27 U	68

FIGURES

1. Subject Property Location Map
2. Phase II Environmental Site Assessment / Brownfield Cleanup Program Eligibility Sample Locations
3. Summary of Exceedances In Soil
4. Summary of Exceedances In Groundwater
5. Summary of Detections in Soil Vapor



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QUADRANGLE LOCATION



Title:

SITE LOCATION MAP

115 SOUTH MACQUESTEN PARKWAY
MT VERNON, NY 10550

Prepared for:

NRP HOLDINGS LLC

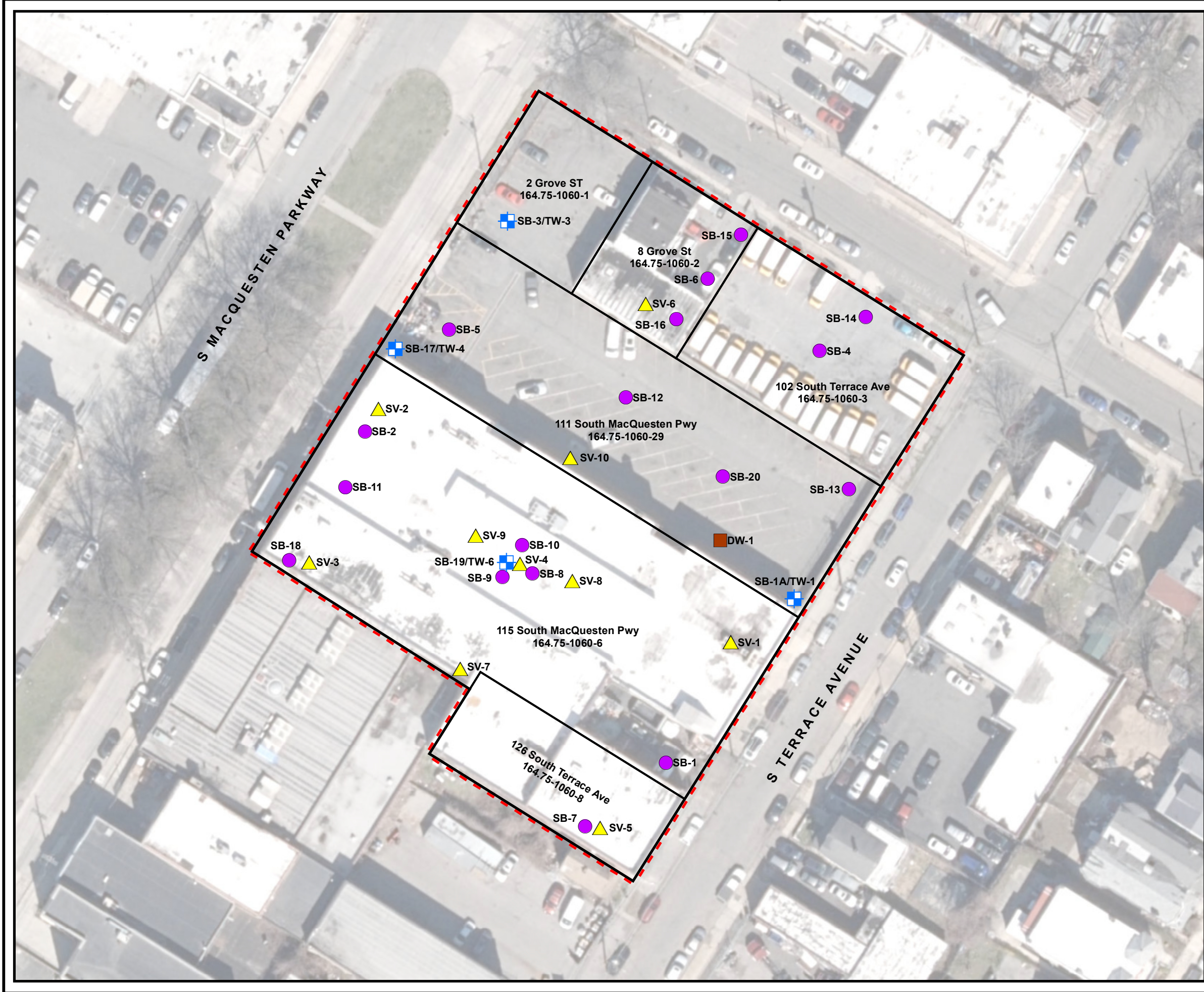


Compiled by: P.K.	Date: 01/21/22
Prepared by: M.S.R.	Scale: AS SHOWN
Project Mgr: R.L.	Project: 2908.0008Y000
File: 2908.0008Y108.1.mxd	

FIGURE

1

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LEGEND

- LOCATION OF SOIL BORING
- LOCATION OF SOIL BORING AND TEMPORARY MONITORING WELL
- ▲ LOCATION OF SUB-SLAB SOIL VAPOR SAMPLE
- LOCATION OF DRYWELL
- TAX PARCEL BOUNDARY
- PROPOSED BCP SITE BOUNDARY

NOTES

1. ALL LOCATIONS ARE APPROXIMATE
2. SB-1 LOCATION WAS ADDED AND ONLY A SHALLOW SAMPLE WAS COLLECTED DUE TO RESTRICTED PROPERTY ACCESS
3. SB-1A/TW-1 WAS RELOCATED TO THE PARKING LOT



<p>Title: PHASE II ENVIRONMENTAL SITE ASSESSMENT / BROWNFIELD CLEANUP PROGRAM ELIGIBILITY SAMPLE LOCATIONS</p> <p>115 SOUTH MACQUESTEN PARKWAY MT VERNON, NY 10550</p>			
<p>Prepared for: NRP HOLDINGS LLC</p>			
	Compiled by: P.K.	Date: 01/20/22	<p>FIGURE 2</p>
	Prepared by: M.S.R.	Scale: AS SHOWN	
	Project Mgr: R.L.	Project: 2908.0008Y000	
	File: 2908.0008Y108.2.mxd		



SB-3	12/15/2020	12/18/2020
Depth (ft bls)	0 - 2	24.5 - 25
SVOCs		
Benzo(A)Anthracene	1.6	ND
Benzo(A)Pyrene	1.1	ND
Benzo(B)Fluoranthene	1.2	ND
Chrysene	1.6	ND
Indeno(1,2,3-C,D)Pyrene	0.95	ND
Metals		
Copper	61.8	NE
Lead	416	NE
Mercury	0.244	ND
Silver	3.96	ND
Zinc	262	NE

SB-16	12/14/2021	12/14/2021
Depth (ft bls)	0 - 2	4 - 6
Metals		
Lead	382	NE
Zinc	138	NE

SB-6	12/15/2020
Depth (ft bls)	0 - 2
Metals	
Copper	55.1
Lead	515
Nickel	35.5
Zinc	185

SB-15	12/13/2021	12/13/2021
Depth (ft bls)	0 - 2	6 - 8
Metals		
Lead	93	NE

SB-14	12/14/2021	12/14/2021
Depth (ft bls)	0 - 2	3 - 5
SVOCs		
Benzo(A)Anthracene	3.6	2.6
Benzo(A)Pyrene	3.8	2.8
Benzo(B)Fluoranthene	4.8	3.6
Benzo(K)Fluoranthene	1.8	1.2 J
Chrysene	3.3	2.5
Dibenz(A,H)Anthracene	0.66 J	0.44 J
Indeno(1,2,3-C,D)Pyrene	2.8	2.1 J
Metals		
Lead	72.6	144
Mercury	NE	0.224
Zinc	NE	119

SB-5	12/15/2020
Depth (ft bls)	0 - 2
Metals	
Lead	237
Mercury	0.234
Zinc	144

SB-17	12/13/2021	12/13/2021
Depth (ft bls)	0 - 2	21 - 23
Metals		
Chromium, Total	NE	31.9
Lead	79.6	NE

SB-12	12/13/2021	12/13/2021
Depth (ft bls)	0 - 2	5 - 7
VOCs		
Acetone	NE	0.15
SVOCs		
Benzo(A)Anthracene	NE	1.2
Benzo(A)Pyrene	NE	1.2
Benzo(B)Fluoranthene	NE	1.4
Chrysene	NE	1.2
Indeno(1,2,3-C,D)Pyrene	NE	0.75
Metals		
Lead	192	92.1
Zinc	303	NE

SB-11	12/21/2021	12/21/2021
Depth (ft bls)	0 - 2	10 - 12
Metals		
Lead	NE	127
Mercury	0.342	ND

SB-18	12/16/2021	12/16/2021
Depth (ft bls)	0 - 2	4 - 6
VOCs		
Acetone	0.42 J	NE
SVOCs		
Benzo(A)Pyrene	1.3	NE
Benzo(B)Fluoranthene	1.6	NE
Chrysene	1.2	NE
Indeno(1,2,3-C,D)Pyrene	1	NE
Metals		
Lead	87	81.3

SB-19	12/15/2021	12/15/2021
Depth (ft bls)	0 - 2	8 - 10
VOCs		
Trichloroethylene (TCE)	11	ND
SVOCs		
Benzo(A)Anthracene	1.2	ND
Benzo(B)Fluoranthene	1.4	ND
Chrysene	1.3	ND
Indeno(1,2,3-C,D)Pyrene	0.72	ND
Metals		
Lead	152	NE
Mercury	0.214	ND
Zinc	134	NE

SB-9	12/16/2021	12/16/2021
Depth (ft bls)	0 - 2	2 - 4
Metals		
Lead	122	76.4

SB-8	12/16/2021	12/16/2021
Depth (ft bls)	0 - 2	2 - 4
VOCs		
Acetone	NE	0.069
Metals		
Lead	178	320
Mercury	0.349	0.612
Zinc	128	164

SB-1	12/16/2020	
Depth (ft bls)	0 - 2	
SVOCs		
Benzo(A)Anthracene	1.1	
Benzo(A)Pyrene	1.1	
Benzo(B)Fluoranthene	1.2	
Indeno(1,2,3-C,D)Pyrene	0.62	
Metals		
Lead	92.3	

SB-4	12/15/2020	
Depth (ft bls)	0 - 2	
SVOCs		
Benzo(A)Anthracene	5	
Benzo(A)Pyrene	5	
Benzo(B)Fluoranthene	5.4	
Benzo(K)Fluoranthene	1.9	
Chrysene	4.3	
Dibenz(A,H)Anthracene	0.61	
Indeno(1,2,3-C,D)Pyrene	2.6	
Metals		
Copper	71.3	
Lead	370	
Mercury	0.527	
Silver	2.31	
Zinc	309	

SB-13	12/13/2021	12/13/2021
Depth (ft bls)	0 - 2	5 - 7
Metals		
Lead	65.7	68.8

SB-20	12/21/2021	12/21/2021
Depth (ft bls)	0 - 2	3 - 5
Metals		
Chromium, Total	32.7	NE
Copper	NE	61
Lead	136	180
Zinc	NE	1730

DW-1	12/15/2020	
Depth (ft bls)	0 - 2	
Metals		
Silver	2.98	



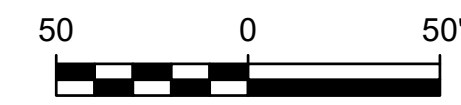
LEGEND

- LOCATION OF SOIL BORING
- LOCATION OF SOIL BORING AND TEMPORARY MONITORING WELL
- ▲ LOCATION OF SUB-SLAB SOIL VAPOR SAMPLE
- LOCATION OF DRYWELL
- SITE BOUNDARY
- PROPOSED BCP SITE BOUNDARY

Parameter	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives
VOCs			
Acetone	0.05	100	0.05
Trichloroethylene (TCE)	0.47	21	0.47
SVOCs			
Benzo(A)Anthracene	1	1	1
Benzo(A)Pyrene	1	1	22
Benzo(B)Fluoranthene	1	1	1.7
Benzo(K)Fluoranthene	0.8	3.9	1.7
Chrysene	1	3.9	1
Dibenz(A,H)Anthracene	0.33	0.33	1000
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	8.2
Metals			
Chromium, Total	30	180	
Copper	50	270	1720
Lead	63	400	450
Mercury	0.18	0.81	0.73
Nickel	30	310	130
Silver	2	180	8.3
Zinc	109	10000	2480
PCBs			
	NE	NE	NE

- NOTES
- ALL CONCENTRATIONS SHOWN IN MICROGRAMS PER CUBIC METER
 - ALL LOCATIONS ARE APPROXIMATE
 - SB-1 LOCATION WAS ADDED AND ONLY A SHALLOW SAMPLE WAS COLLECTED DUE TO RESTRICTED PROPERTY ACCESS
 - SB-1A/TW-1 WAS RELOCATED TO THE PARKING LOT

FT BLS - FEET BELOW LAND SURFACE
 J - ESTIMATED VALUE
 ND - NO DETECTION
 NE - NO EXCEEDANCE
 NYSDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 SVOCs - SEMI-VOLATILE ORGANIC COMPOUNDS
 VOCs - VOLATILE ORGANIC COMPOUNDS

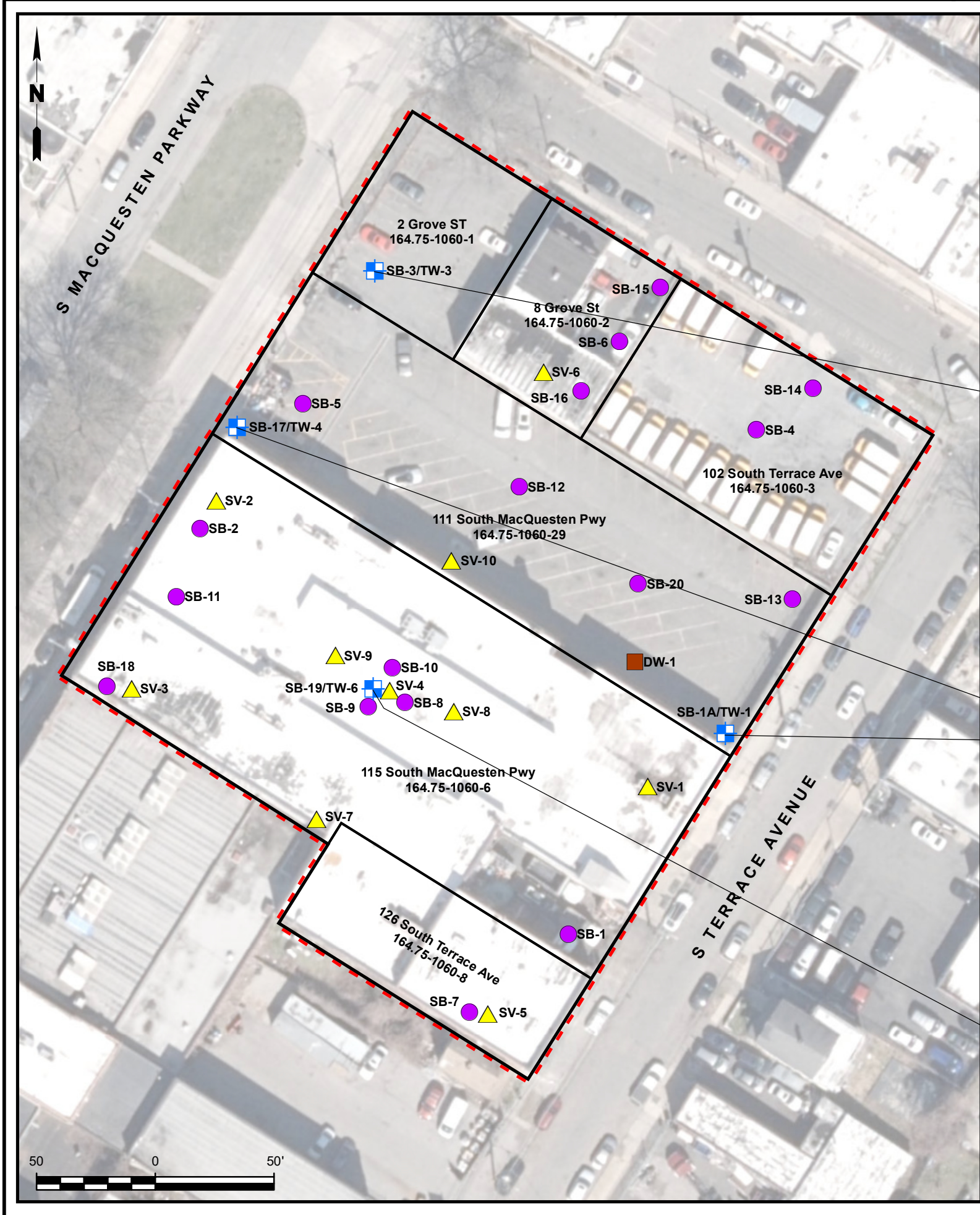


Title: **SUMMARY OF EXCEEDANCES IN SOIL**
 115 SOUTH MACQUESTEN PARKWAY
 MT VERNON, NY 10550

Prepared for: **NRP HOLDINGS LLC**

Compiled by: P.K.	Date: 01/20/22	FIGURE 3
Prepared by: M.S.R.	Scale: AS SHOWN	
Project Mgr: R.L.	Project: 2908.0008Y000	
File: 2908.0008Y108.3.mxd		

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TW-3	12/18/2020
SVOCs	
Benzo(A)Anthracene	0.08 J
Benzo(A)Pyrene	0.06 J
Benzo(B)Fluoranthene	0.07 J
Benzo(K)Fluoranthene	0.03 J
Chrysene	0.06 J
Indeno(1,2,3-C,D)Pyrene	0.04 J
Metals, Total	
Barium	2819
Chromium, Total	117.1
Iron	67300
Lead	44.59
Magnesium	206000
Manganese	14790
Nickel	182
Sodium	219000
Thallium	1.57
Metals, Dissolved	
Manganese	666.3
Sodium	153000

TW-4	12/13/2021
SVOCs	
Benzo(B)Fluoranthene	0.01 J
Metals, Total	
Barium	1574
Chromium, Total	222.4
Copper	213
Iron	131000
Lead	104.6
Magnesium	71700
Manganese	4214
Nickel	173.3
Selenium	35.8
Sodium	129000
Thallium	1.98
Metals, Dissolved	
Sodium	136000

TW-1	12/18/2020
SVOCs	
Benzo(A)Anthracene	0.03 J
Benzo(A)Pyrene	0.02 J
Benzo(B)Fluoranthene	0.02 J
Benzo(K)Fluoranthene	0.01 J
Chrysene	0.02 J
Metals, Total	
Barium	1066
Iron	14200
Magnesium	99400
Manganese	8155
Nickel	132.1
Sodium	134000
Metals, Dissolved	
Manganese	680.8
Sodium	125000

TW-6	12/15/2021
SVOCs	
Benzo(A)Anthracene	0.04 J
Benzo(B)Fluoranthene	0.02 J
Chrysene	0.02 J
Metals, Dissolved	
Sodium	125000

LEGEND

- LOCATION OF SOIL BORING
- LOCATION OF SOIL BORING AND TEMPORARY MONITORING WELL
- ▲ LOCATION OF SUB-SLAB SOIL VAPOR SAMPLE
- LOCATION OF DRYWELL
- SITE BOUNDARY
- PROPOSED BCP SITE BOUNDARY

Parameter	NYSDEC AWQSGV
VOCs	NE
SVOCs	
Benzo(A)Anthracene	0.002
Benzo(A)Pyrene	0
Benzo(B)Fluoranthene	0.002
Benzo(K)Fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-C,D)Pyrene	0.002
Metals, Total	
Barium	1000
Chromium, Total	50
Copper	200
Iron	300
Lead	25
Magnesium	35000
Manganese	300
Nickel	100
Selenium	10
Sodium	20000
Thallium	0.5
Metals, Dissolved	
Manganese	300
Sodium	20000

NOTES

1. ALL LOCATIONS ARE APPROXIMATE
 2. SB-1 LOCATION WAS ADDED AND ONLY A SHALLOW SAMPLE WAS COLLECTED DUE TO RESTRICTED PROPERTY ACCESS
 3. SB-1A/TW-1 WAS RELOCATED TO THE PARKING LOT
- AWQSGV - AMBIENT WATER-QUALITY STANDARDS AND GUIDANCE VALUES
 J - ESTIMATED VALUE
 NE - NO EXCEEDANCE
 NYSDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 SVOCs - SEMIVOLATILE ORGANIC COMPOUNDS
 VOCs - VOLATILE ORGANIC COMPOUNDS

Title: **SUMMARY OF EXCEEDANCES IN GROUNDWATER**

115 SOUTH MACQUESTEN PARKWAY
MT VERNON, NY 10550

Prepared for: **NRP HOLDINGS LLC**

ROUX	Compiled by: P.K.	Date: 01/20/22	FIGURE 4
	Prepared by: M.S.R.	Scale: AS SHOWN	
	Project Mgr: R.L.	Project: 2908.0008Y000	
	File: 2908.0008Y108.4.mxd		

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SV-2	12/21/2020
VOCs	
1,1,1-Trichloroethane (TCA)	1.68
Acetone	5.87
Chloroform	4.86
Dichlorodifluoromethane	1.91
Ethanol	124
Isopropanol	7.18
N-Hexane	0.779
Tetrachloroethylene (PCE)	28.8
Toluene	0.942
Trichloroethylene (TCE)	88.1

SV-9	12/21/2021
VOCs	
1,1,1-Trichloroethane (TCA)	3730
1,1-Dichloroethane	332
Acetone	25.7
Chloroform	39.7
m,p-Xylene	16.2
O-Xylene (1,2-Dimethylbenzene)	7.73
Tetrachloroethylene (PCE)	26.9
Trichloroethylene (TCE)	2640

SV-3	12/21/2020
VOCs	
2,2,4-Trimethylpentane	1.1
Acetone	259
Benzene	1.59
Chloroform	1.61
Chloromethane	0.952
Cyclohexane	59.9
Dichlorodifluoromethane	2.06
Ethanol	311
Isopropanol	35.9
Methyl Ethyl Ketone (2-Butanone)	16.8
Methylene Chloride	52.8
N-Heptane	14.4
N-Hexane	74.4
Tetrahydrofuran	8.55
Toluene	66.7
Trichloroethylene (TCE)	7.04

SV-4	12/21/2020
VOCs	
1,1,1-Trichloroethane (TCA)	26800
1,1-Dichloroethane	611
Chloroform	32.2
Ethanol	283
Tetrachloroethylene (PCE)	42.7
Trichloroethylene (TCE)	2560

SV-7	12/21/2021
VOCs	
1,2,4-Trimethylbenzene	1.46
Acetone	55.6
Benzene	0.802
Carbon Disulfide	1.4
Cyclohexane	6.2
Dichlorodifluoromethane	2.44
Ethanol	993
Ethylbenzene	3.71
Isopropanol	20.6
m,p-Xylene	15.6
Methyl Ethyl Ketone (2-Butanone)	3.45
N-Heptane	1.76
N-Hexane	3.09
O-Xylene (1,2-Dimethylbenzene)	7.6
Styrene	4.81
Tert-Butyl Alcohol	21.1
Tetrachloroethylene (PCE)	4.79
Toluene	8.71
Trichloroethylene (TCE)	5.37

SV-6	12/21/2020
VOCs	
2-Hexanone	2.49
Acetone	17.8
Dichlorodifluoromethane	2.03
Ethanol	43
Isopropanol	20.9
m,p-Xylene	2.77
Methyl Ethyl Ketone (2-Butanone)	9.32
Methylene Chloride	2.11
N-Hexane	0.923
O-Xylene (1,2-Dimethylbenzene)	1.24
Tert-Butyl Alcohol	5.18
Tetrachloroethylene (PCE)	24.6
Toluene	3.07
Trichlorofluoromethane	1.39

SV-10	12/21/2021
VOCs	
2-Hexanone	6.27
Acetone	41.8
Benzene	2.39
Carbon Disulfide	12.5
Chloromethane	0.444
Cis-1,2-Dichloroethylene	34.8
Cyclohexane	28.7
Ethanol	10.2
Isopropanol	1.84
Methyl Ethyl Ketone (2-Butanone)	53.7
N-Heptane	5.66
N-Hexane	27.5
Tetrachloroethylene (PCE)	2.43
Toluene	2.74
Trans-1,2-Dichloroethene	4.44
Trichloroethylene (TCE)	3.57
Vinyl Chloride	68

SV-8	12/21/2021
VOCs	
1,1,1-Trichloroethane (TCA)	4390
1,1-Dichloroethane	490
Chloroform	57.1
Cis-1,2-Dichloroethylene	65.4
Tetrachloroethylene (PCE)	612
Trichloroethylene (TCE)	21100

SV-1	12/21/2020
VOCs	
1,1,1-Trichloroethane (TCA)	8.57
Acetone	5.11
Carbon Disulfide	2.04
Carbon Tetrachloride	1.9
Chloroform	26.4
Dichlorodifluoromethane	2.03
Ethanol	72.5
Isopropanol	5.19
m,p-Xylene	2.04
N-Hexane	1.83
O-Xylene (1,2-Dimethylbenzene)	1.04
Tetrachloroethylene (PCE)	117
Toluene	2.14
Trichloroethylene (TCE)	227
Trichlorofluoromethane	1.98

SV-5	12/21/2020
VOCs	
1,1,1-Trichloroethane (TCA)	172
1,1-Dichloroethane	4.21
Acetone	6.72
Chloroform	34
Cis-1,2-Dichloroethylene	0.833
Dichlorodifluoromethane	1.95
Ethanol	168
Isopropanol	8.43
N-Hexane	1.18
Tert-Butyl Alcohol	2.86
Tetrachloroethylene (PCE)	55.1
Toluene	6.22
Trichloroethylene (TCE)	64.5

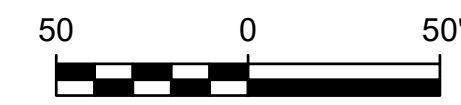


LEGEND

- LOCATION OF SOIL BORING
- LOCATION OF SOIL BORING AND TEMPORARY MONITORING WELL
- ▲ LOCATION OF SUB-SLAB SOIL VAPOR SAMPLE
- LOCATION OF DRYWELL
- SITE BOUNDARY
- PROPOSED BCP SITE BOUNDARY

- NOTES
1. ALL CONCENTRATIONS SHOWN IN MICROGRAMS PER CUBIC METER
 2. ALL LOCATIONS ARE APPROXIMATE
 3. SB-1 LOCATION WAS ADDED AND ONLY A SHALLOW SAMPLE WAS COLLECTED DUE TO RESTRICTED PROPERTY ACCESS
 4. SB-1A/TW-1 WAS RELOCATED TO THE PARKING LOT

VOCs - VOLATILE ORGANIC COMPOUNDS



Title: **SUMMARY OF DETECTIONS IN SOIL VAPOR**
115 SOUTH MACQUESTEN PARKWAY
MT VERNON, NY 10550

Prepared for: **NRP HOLDINGS LLC**

Compiled by: P.K.	Date: 01/20/22	FIGURE 5
Prepared by: M.S.R.	Scale: AS SHOWN	
Project Mgr: R.L.	Project: 2908.0008Y000	
File: 2908.0008Y108.5.mxd		

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Phase II Environmental Site Assessment/BCP Eligibility Summary Report
115 South MacQuesten Parkway, Mount Vernon, New York

ATTACHMENTS

1. Soil Boring Logs
2. Laboratory Analytical Reports

Phase II Environmental Site Assessment/BCP Eligibility Summary Report
115 South MacQuesten Parkway, Mount Vernon, New York

ATTACHMENT 1

Soil Boring Logs



Client: NRP Holdings LLC	Site: 115 South MacQuesten Parkway	Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway	City/State: Mt Vernon, New York	Logged By: M. Norton	
Start to Finish Date: 12/16/2020 - 12/18/2020	Contractor: Aquifer Drilling and Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 4-inches	DTW:
Area: 115 South MacQuesten Pwy	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
1	ASPH		ASPHALT and FILL.			0.0	Soil sample SB-1 (0-2) collected.
2			Brown, fine to medium SAND and GRAVEL, some Silt; dry.	G	5	0.0	
3						0.0	
4						0.0	
Bottom of borehole at 5 feet							

ROUX STANDARD LOG - 1/6/21 11:21 - S:\GINT\PROJECTS\2908.0008Y000.GPJ



Client: NRP Holdings LLC	Site: 115 South MacQuesten Parkway	Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway	City/State: Mt Vernon, New York	Logged By: M. Norton	
Start to Finish Date: 12/15/2020 - 12/18/2020	Contractor: Aquifer Drilling and Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 25 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: 111 South MacQuesten Pwy	Elevation: NM	Northing: NM	Easting: NM

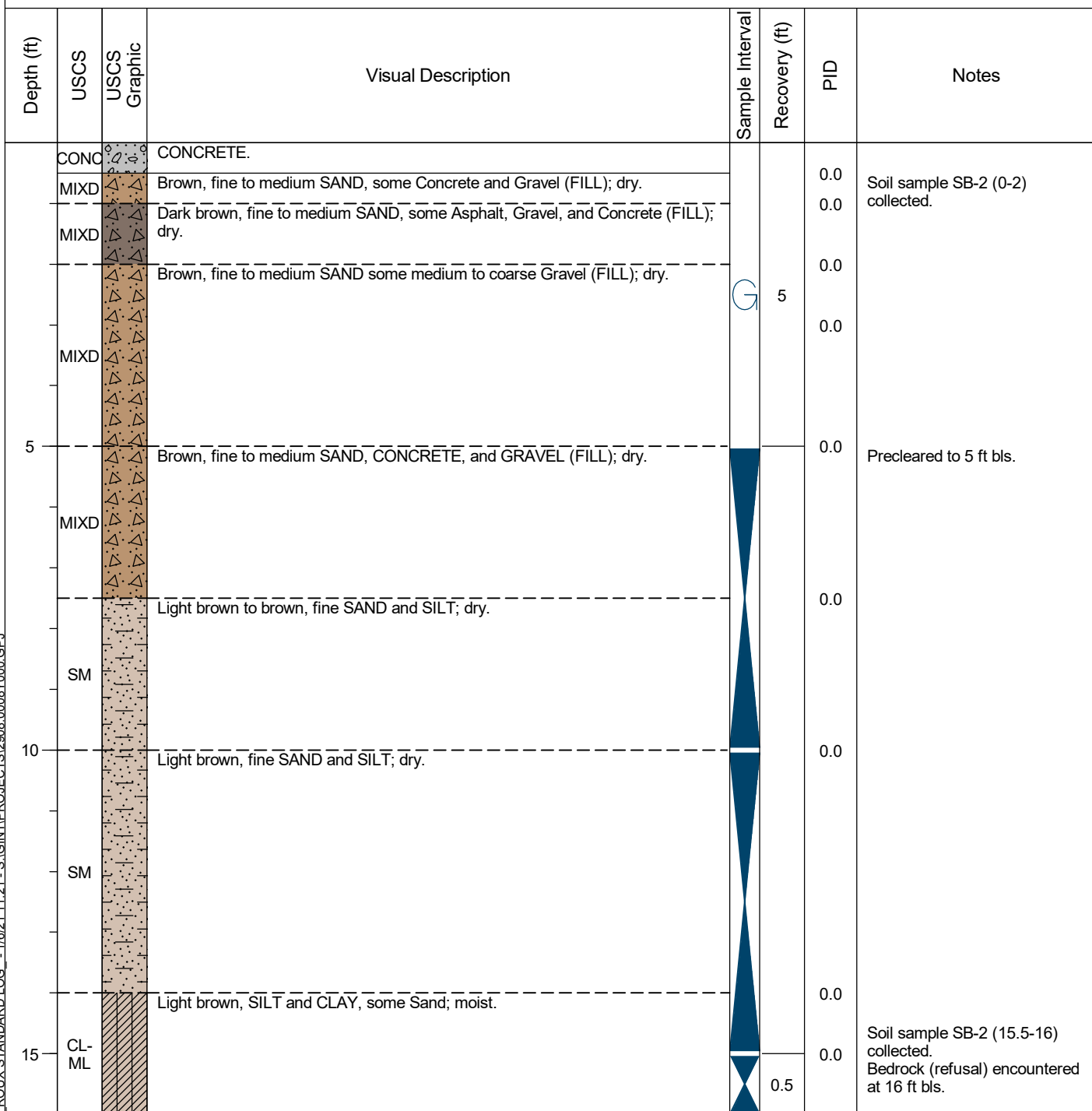
Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0.0	ASPH		ASPHALT and FILL.			0.0	
0.0			Brown, fine to medium SAND and GRAVEL, some Silt; dry.			0.0	Soil sample SB-1A (0-2) collected.
5.0	MIXD			G	5	0.0	
5.0			Light brown to grey, some fine SAND, little Gravel; moist.			0.0	Precleared to 5 ft bls.
10.0	SP				3	0.0	
15.0			Reddish brown, medium to coarse SAND and SILT, little Gravel; moist.			0.0	
15.0	SM				3.5	0.0	
15.0			Reddish brown, medium to coarse SAND and SILT, little Gravel; wet.			0.0	Soil sample SB-1A (14.5-15) collected.
15.0	SM				5	0.0	
15.0			GRAVEL (pulverized rock); wet.			0.0	
15.0	SWG					0.0	
15.0			Grey to light brown, fine to coarse SAND and SILT, some Gravel; wet.			0.0	
15.0	SM					0.0	
20.0			Light brown to brown, medium to coarse SAND, some Silt and Gravel; wet.			0.0	Groundwater sample TW-1 collected from 1" PVC temporary groundwater monitoring well via check valve and tubing.
20.0	SW				5	0.0	

ROUX STANDARD LOG - 1/6/21 11:21 - S:\GINT\PROJECTS\2908.0008Y000.GPJ

Bottom of borehole at 25 feet



Client: NRP Holdings LLC	Site: 115 South MacQuesten Parkway	Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway	City/State: Mt Vernon, New York	Logged By: M. Norton	
Start to Finish Date: 12/16/2020 - 12/18/2020	Contractor: Aquifer Drilling and Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 16 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: 115 South MacQuesten Pwy	Elevation: NM	Northing: NM	Easting: NM



ROUX STANDARD LOG - 1/6/21 11:21 - S:\GINT\PROJECTS\2908.0008Y000.GPJ

Bottom of borehole at 16 feet



Client: NRP Holdings LLC	Site: 115 South MacQuesten Parkway	Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway	City/State: Mt Vernon, New York	Logged By: M. Norton	
Start to Finish Date: 12/15/2020 - 12/18/2020	Contractor: Aquifer Drilling and Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 28.5 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: 2 Grove St	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0.0	ASPH MIXD		ASPHALT.			0.0	Soil sample SB-3 (0-2) collected.
0.0			Brown, fine to medium SAND, some Gravel and Concrete (FILL); dry.			0.0	
0.0			Brown, fine to medium SAND and SILT, some Gravel, Concrete, and Organics (roots, wood) (FILL); dry.	G	5	0.0	Precleared to 5 ft bls.
5.0	MIXD					0.0	
0.0						0.0	
0.0	SC		Brown, fine SAND and CLAY; dry.			0.0	
0.0			Brown to orange brown, SAND and CLAY, some Organics (roots); moist.			0.0	
4.0	SC				4	0.0	
0.0			Brown to orange brown, fine to medium SAND, little Gravel and Clay; moist.			0.0	
10.0	SW					0.0	
0.0			Brown to orange brown, fine SAND and CLAY, trace gravel; dry.			0.0	
0.0	SC					0.0	
0.0			Brown, medium to coarse SAND, little Silt, trace fine to medium gravel; dry.			0.0	
3.5	SW				3.5	0.0	
0.0			Brown, fine to medium SAND, little Silt, trace fine to medium gravel; dry.			0.0	
0.0	SW					0.0	
0.0			Light brown, fine to medium SAND, some Clay and Silt; dry.			0.0	
4.0	SM				4	0.0	
0.0			Light brown to grey, fine to medium SAND and CLAY, little Gravel; moist.			0.0	
3.0	SC				3	0.0	
0.0			Light brown to grey, fine to medium SAND and CLAY, little Gravel; moist.			0.0	
0.0	SWG					0.0	
0.0			Grey to brown, medium to coarse SAND and GRAVEL; wet.			0.0	
0.0			Brown, WEATHERED BEDROCK, some fine to medium Sand and Silt; dry.			0.0	
3.5					3.5	0.0	
						0.0	Groundwater sample TW-3 collected from 1" PVC temporary groundwater monitoring well via check valve and tubing.
						0.0	Soil sample SB-3 (24.5-25) collected.
						0.0	Bedrock (refusal) encountered at 28.5 ft bls.

ROUX STANDARD LOG - 1/6/21 11:21 - S:\GINT\PROJECTS\2908.0008Y000.GPJ

Bottom of borehole at 28.5 feet



Client: NRP Holdings LLC	Site: 115 South MacQuesten Parkway	Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway	City/State: Mt Vernon, New York	Logged By: M. Norton	
Start to Finish Date: 12/15/2020 - 12/18/2020	Contractor: Aquifer Drilling and Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 15 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: 102 South Terrace Ave	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	Soil sample SB-4 (0-2) collected.
	MIXD		Reddish brown, fine to coarse SAND, some Gravel, Concrete and Asphalt (FILL); dry.		5	0.0	
	MIXD		Reddish brown, fine to medium SAND and medium to coarse GRAVEL, some Clay and Concrete (FILL); moist.			0.0	Precleared to 5 ft bls.
	MIXD		Brown to dark brown, fine to medium SAND and CLAY, some Gravel and Concrete (FILL); moist.			0.0	
5	MIXD		Brown, fine to coarse SAND and GRAVEL (FILL); wet.			0.0	
	MIXD				2.5		Soil sample SB-4 (10-10.5) collected.
	MIXD		Grey, CONCRETE (FILL); dry.			0.0	
10	SM		Brown, fine to medium SAND and SILT, some Clay and Gravel; wet.			0.0	
	GW		GRAVEL (fragmented bedrock); dry.			0.0	
	ML		Brown, SILT; dry.		5	0.0	

ROUX STANDARD LOG - 1/6/21 11:21 - S:\GINT\PROJECTS\2908.0008Y000.GPJ

Bottom of borehole at 15 feet



Client: NRP Holdings LLC	Site: 115 South MacQuesten Parkway	Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway	City/State: Mt Vernon, New York	Logged By: M. Norton	
Start to Finish Date: 12/15/2020 - 12/18/2020	Contractor: Aquifer Drilling and Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 15 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: 111 South MacQuesten Pwy	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	Soil sample SB-5 (0-2) collected. Organic odor present.
	MIXD		Light to dark brown, fine to medium SAND and CLAY, some Gravel, Asphalt, and Concrete (FILL); dry.			0.0	
	MIXD		Dark brown, fine to medium SAND, some medium to coarse Gravel, little Clay, trace brick; dry.			0.0	
	SC		Dark brown to reddish brown, fine SAND and CLAY, some Silt, some Gravel, little Organics (roots); dry.	G	5	0.0	Prcleared to 5 ft bls.
	SC		Reddish brown, fine to medium SAND, some Silt, and fine to medium Gravel; moist.			0.0	
5	SWG		Brown to light brown, medium to coarse SAND and GRAVEL; moist.			0.0	
	MLS		Light brown, SILT and SAND; moist.			3.5	
	SM		Light brown to brown, fine to medium SAND and SILT, some Gravel; moist.			0.0	
					4		

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Bottom of borehole at 15 feet



Client: NRP Holdings LLC	Site: 115 South MacQuesten Parkway	Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway	City/State: Mt Vernon, New York	Logged By: M. Norton	
Start to Finish Date: 12/15/2020 - 12/18/2020	Contractor: Aquifer Drilling and Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 15 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: 8 Grove St	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	Soil sample SB-6 (0-2) collected.
	MIXD		Dark brown, fine to medium SAND and GRAVEL, some Concrete (FILL); dry.			0.0	
	MIXD		Reddish brown, fine SAND and CLAY, some Gravel and Concrete; dry.	G	5	0.0	Prcleared to 5 ft bls.
	SWG		Brown to dark brown, fine to medium SAND, some Clay, Gravel, and Cobble; dry.			0.0	
5			Brown, fine to medium SAND and SILT, little fine to medium Gravel; dry.			0.0	
	SM				3		
10						0.0	
	ML		Brown, SILT; dry.			0.0	
	SP		Brown to light brown, fine SAND; dry.			0.0	
	SM		Brown, fine SAND and SILT; dry.			0.0	

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Bottom of borehole at 15 feet



Client: NRP Holdings LLC	Site: 115 South MacQuesten Parkway	Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway	City/State: Mt Vernon, New York	Logged By: P. Kilkelly	
Start to Finish Date: 12/21/2021 - 12/21/2021	Contractor: Aquifer Drilling and Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 6 feet	Backfill: Cuttings	Borehole Diameter: 4-inches	DTW:
Area: 126 South Terrace Ave	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE SLAB.				
	MIXD		Light brown, fine to coarse SAND, some coarse Gravel, little Concrete (FILL); dry.			0.0	Soil sample SB-7_(0-2) collected.
	SP-SM		Light brown, fine to coarse SAND, some Silt, little fine to coarse Gravel; dry.			0.0	Soil sample SB-7_(2-4) collected.
	MH		Light brown, SILT, some Clay; dry.			0.0	
5						0.0	Refusal encountered with hand auger at approximately 6 ft bls.

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Bottom of borehole at 6 feet



Client: NRP Holdings LLC	Site: 115 South MacQuesten Parkway	Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway	City/State: Mt Vernon, New York	Logged By: P. Kilkelly	
Start to Finish Date: 12/16/2021 - 12/16/2021	Contractor: Aquifer Drilling and Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 8 feet	Backfill: Cuttings	Borehole Diameter: 4-inches	DTW:
Area: 115 South MacQuesten Pwy	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE SLAB.			0.0	
	MIXD		Dark brown, fine to coarse SAND, some fine to coarse Gravel, little Asphalt (FILL); dry.			0.0	Soil sample SB-8_(0-2) collected.
	MIXD		Brown, fine to coarse SAND, some Silt and Clay, little fine to medium Gravel, trace concrete (FILL); dry.			0.0	Soil sample SB-14_(2-4) collected.
	CLS		Greyish brown, CLAY, some fine to coarse Sand; dry.	G	8	0.0	
5	CLS		Grey, CLAY, some fine to medium Sand, little Silt; dry.			0.0	
	CLS					0.0	
	CLS					0.0	Refusal encountered with hand auger at approximately 8 ft bls.

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Bottom of borehole at 8 feet



Client: NRP Holdings LLC	Site: 115 South MacQuesten Parkway	Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway	City/State: Mt Vernon, New York	Logged By: P. Kilkelly	
Start to Finish Date: 12/16/2021 - 12/16/2021	Contractor: Aquifer Drilling and Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 5 feet	Backfill: Cuttings	Borehole Diameter: 4-inches	DTW:
Area: 115 South MacQuesten Pwy	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE SLAB.				
1	MIXD		Brown, fine to coarse SAND, some Silt, little fine to medium Gravel and Concrete (FILL) dry.				Soil sample SB-9_(0-2) collected.
2	MIXD		Light brown, fine to coarse SAND, some Silt, little Clay and fine Gravel, trace concrete (FILL); dry.				Soil sample SB-9_(2-4) collected.
3	MIXD						
4	SP-SC		Light brown, fine to coarse SAND, some Clay, little Silt; dry.				Refusal encountered with hand auger at approximately 5 ft bls.

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Bottom of borehole at 5 feet



Client: NRP Holdings LLC	Site: 115 South MacQuesten Parkway	Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway	City/State: Mt Vernon, New York	Logged By: P. Kilkelly	
Start to Finish Date: 12/21/2021 - 12/21/2021	Contractor: Aquifer Drilling and Testing LLC	Drill Type: Hand Auger	Sampler Type/Method: 4" Hand Auger
Borehole Depth: 6 feet	Backfill: Cuttings	Borehole Diameter: 4-inches	DTW:
Area: 115 South MacQuesten Pwy	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE SLAB.				
	MIXD		Brown, fine to coarse SAND, some fine to medium Gravel, little Concrete and Brick (FILL); dry.			0.0	Soil sample SB-10_(0-2) collected.
	MIXD		Light brown, fine to coarse SAND, some Clay, little Brick (FILL); dry.			0.0	Soil sample SB-10_(2-4) collected.
	MIXD		Light brown, fine to coarse SAND, some Clay; dry.			0.0	
5	SP-SC			G	6	0.0	Refusal encountered with hand auger at approximately 6 ft bls.

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Bottom of borehole at 6 feet



Client: NRP Holdings LLC	Site: 115 South MacQuesten Parkway	Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway	City/State: Mt Vernon, New York	Logged By: P. Kilkelly	
Start to Finish Date: 12/21/2021 - 12/21/2021	Contractor: Aquifer Drilling and Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 12 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: 115 South MacQuesten Pwy	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE SLAB.				
	MIXD		Brown, fine to coarse SAND, some Silt, some fine to coarse Gravel and Concrete (FILL); dry.	G	3	0.0	Soil sample SB-11_(0-2) collected.
	MLS		Brown, SILT, some fine to coarse Sand, little Clay; dry.		1	0.0	Precleared to 3 ft bls.
	MLS		Brown, SILT, some fine to coarse Sand, little fine to medium Gravel; dry.		1.5	0.0	Groundwater not observed throughout soil boring. 1" PVC temporary groundwater monitoring well installed, no groundwater observed.
	MLS		Brown, SILT, some fine to coarse Sand, little fine to medium Gravel and Clay; moist.		0.5	0.0	Soil sample SB-11_(10-12) collected.
						0.0	Refusal encountered at approximately 12 ft bls.

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Bottom of borehole at 12 feet



Client: NRP Holdings LLC		Site: 115 South MacQuesten Parkway		Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway		City/State: Mt Vernon, New York		Logged By: P. Kilkelly	
Start to Finish Date: 12/13/2021 - 12/13/2021		Contractor: Aquifer Drilling and Testing LLC		Drill Type: Geoprobe	
Borehole Depth: 10 feet		Backfill: Cuttings		Borehole Diameter: 3-inches	
Area: 111 South MacQuesten Pwy		Elevation: NM		Northing: NM	
				Eastings: NM	

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Brown, fine to coarse SAND, some fine to medium Gravel, little Concrete (FILL); dry.		5	0.0	Soil sample SB-12_(0-2) collected.
	SW-SM		Light brown, fine to coarse SAND, some Silt, little Clay; dry.			0.0	
5	MLS		Dark grey, SILT, some fine to medium SAND; dry.			0.0	Preleared to 5 ft bls.
	SW-SM		Grey, fine to coarse SAND, some Silt; dry.		2.5	0.0	Soil sample SB-12_(5-7) collected.
	CL-ML		Grey, CLAY, some Silt; dry.			0.0	

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Bottom of borehole at 10 feet



Client: NRP Holdings LLC		Site: 115 South MacQuesten Parkway		Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway		City/State: Mt Vernon, New York		Logged By: P. Kilkelly	
Start to Finish Date: 12/13/2021 - 12/13/2021		Contractor: Aquifer Drilling and Testing LLC		Drill Type: Geoprobe	
Borehole Depth: 10 feet		Backfill: Cuttings		Borehole Diameter: 3-inches	
Area: 111 South MacQuesten Pwy		Elevation: NM		Northing: NM	
				Eastings: NM	

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0.0	ASPH		ASPHALT.			0.0	
0.0	MIXD		Brown, fine to coarse SAND, some fine to medium Gravel, little Asphalt and Concrete (FILL); dry.			0.0	Soil sample SB-13_(0-2) collected.
0.0			Brown, fine to medium SAND, some Silt, little Clay; dry.			0.0	
5.0	SP-SC			G	5	0.0	
5.0			Brown, SILT, some fine to medium Sand; dry.			0.0	Preleared to 5 ft bls.
0.1	SM					0.1	Soil sample SB-13_(5-7) collected.
0.1						0.1	
3.5						3.5	
0.0	SP-SM		Light brown, fine to coarse SAND, little Silt; dry.			0.0	
0.0						0.0	

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Bottom of borehole at 10 feet



Client: NRP Holdings LLC		Site: 115 South MacQuesten Parkway		Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway		City/State: Mt Vernon, New York		Logged By: P. Kilkelly	
Start to Finish Date: 12/14/2021 - 12/14/2021		Contractor: Aquifer Drilling and Testing LLC		Drill Type: Geoprobe	
Borehole Depth: 15 feet		Backfill: Cuttings		Borehole Diameter: 3-inches	
Area: 102 South Terrace Ave		Elevation: NM		Northing: NM	
				Sampler Type/Method: 2" Macro-Core	
				DTW:	
				Easting: NM	

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
			Brown, fine to coarse SAND, some medium to coarse Gravel, some Concrete and Brick (FILL); dry.			0.0	Soil sample SB-14_(0-2) collected.
					5	0.0	
						0.0	
						0.0	
5			NO RECOVERY.			0.0	Preleared to 5 ft bls.
			Light brown, SILT, some Clay, little fine to medium Sand; dry.			0.0	Soil sample SB-14_(3-5) collected.
					0	0.0	
					1	0.0	
						0.0	

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Bottom of borehole at 15 feet



Client: NRP Holdings LLC		Site: 115 South MacQuesten Parkway		Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway		City/State: Mt Vernon, New York		Logged By: P. Kilkelly	
Start to Finish Date: 12/13/2021 - 12/13/2021		Contractor: Aquifer Drilling and Testing LLC		Drill Type: Geoprobe	
Borehole Depth: 10 feet		Backfill: Cuttings		Borehole Diameter: 3-inches	
Area: 8 Grove St		Elevation: NM		Northing: NM	
				Sampler Type/Method: 2" Macro-Core	
				DTW:	
				Easting: NM	

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
			Dark brown, fine to coarse SAND, some medium to fine Gravel, little Asphalt and Concrete (FILL); dry.			0.0	Soil sample SB-15_(0-2) collected.
						0.0	
	MIXD			G	5	0.0	
						0.0	
						0.0	
5			Dark brown, fine to coarse SAND, some fine to coarse Gravel, little Concrete (FILL); dry.			0.0	Preleared to 5 ft bls.
						0.0	
	MIXD					0.0	Soil sample SB-15_(5-7) collected.
						0.0	
						0.0	
						2	
						0.0	
	SP-SM		Brown, fine to coarse SAND, some Silt; dry.			0.0	
						0.0	

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Bottom of borehole at 10 feet



Client: NRP Holdings LLC	Site: 115 South MacQuesten Parkway	Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway	City/State: Mt Vernon, New York	Logged By: P. Kilkelly	
Start to Finish Date: 12/14/2021 - 12/14/2021	Contractor: Aquifer Drilling and Testing LLC	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 10 feet	Backfill: Cuttings	Borehole Diameter: 3-inches	DTW:
Area: 8 Grove St	Elevation: NM	Northing: NM	Easting: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE SLAB.				
			Brown, fine to coarse SAND, some fine to coarse Gravel, little Concrete (FILL); dry.			0.0	Soil sample SB-16_(0-2) collected.
						0.0	
	MIXD					0.0	
5						0.0	
			Light brown, CLAY, some Silt; dry.			0.0	Soil sample SB-16_(4-6) collected.
	CL-ML					0.0	
						2.5	
						0.0	
			Light brown, SILT, some fine to coarse Sand, little Clay; dry.			0.0	
	MLS					0.0	

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Bottom of borehole at 10 feet



Client: NRP Holdings LLC		Site: 115 South MacQuesten Parkway		Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway		City/State: Mt Vernon, New York		Logged By: P. Kilkelly	
Start to Finish Date: 12/13/2021 - 12/13/2021		Contractor: Aquifer Drilling and Testing LLC		Drill Type: Geoprobe	
Borehole Depth: 25 feet		Backfill: Cuttings		Borehole Diameter: 3-inches	
Area: 111 South MacQuesten Pwy		Elevation: NM		Northing: NM	
				Eastings: NM	

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.			0.0	
	MIXD		Dark brown, fine to coarse SAND, some Concrete, little fine to coarse Gravel (FILL); dry.			0.0	Soil sample SB-17_(0-2) collected.
			Light brown, fine to medium SAND, some Clay, little Silt; dry.	G	5	0.0	
5	SW-SC		Light brown, fine to medium SAND, some Clay, little Silt; dry.			0.0	Precleared to 5 ft bls.
	SW-SC		Light brown, fine to medium SAND, some Clay, little Silt; dry.			0.0	
	SWG		Brown, fine to coarse SAND, some fine to medium Gravel, little Silt; dry.		2	0.0	
10	MLS		Brown, SILT, some fine Sand, little Clay; dry.			0.0	
	MLS		Brown, SILT, some fine Sand, little Clay; moist.			0.0	
	MLS				3	0.0	
	SW-SM		Brown, fine to medium SAND, some Silt; moist.			0.0	
15	MLS		Brown, SILT, some fine to medium Sand; moist.			0.0	
	MLS				2	0.0	
	MLS					0.0	
20	MLS		Brown, SILT, some fine to medium Sand; moist.			0.0	Groundwater sample TW-4 collected from 1" PVC temporary groundwater monitoring well via peristaltic pump. Soil sample SB-17_(21-23) collected. Groundwater observed at approximately 23 ft bls.
	MLS		Brown, SILT, some fine to medium Sand; wet.		1	0.0	
	MLS					0.0	

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Bottom of borehole at 25 feet



Client: NRP Holdings LLC		Site: 115 South MacQuesten Parkway		Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway		City/State: Mt Vernon, New York		Logged By: P. Kilkelly	
Start to Finish Date: 12/16/2021 - 12/16/2021		Contractor: Aquifer Drilling and Testing LLC		Drill Type: Geoprobe	
Borehole Depth: 15 feet		Backfill: Cuttings		Borehole Diameter: 3-inches	
Area: 115 South MacQuesten Pwy		Elevation: NM		Northing: NM	
				Easting: NM	

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE SLAB.				
	GW		Grey, Coarse Gravel; dry.			0.0	Soil sample SB-18_(0-2) collected.
			Brown, fine to coarse SAND, some Clay, little Silt; dry.	G	3	0.0	
	SP-SC		Light brown, SILT, some fine to medium Sand; dry.			0.0	Precleared to 3 ft bls.
5					1	0.0	
	SM					0.0	Soil sample SB-19_(4-6) collected.
					0.5	0.0	
			NO RECOVERY.			0	Groundwater not observed throughout soil boring. 1" PVC temporary groundwater monitoring well installed, no groundwater observed.
10						0	
			NO RECOVERY.			0	Refusal encountered at approximately 15 ft bls.
						0	

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Bottom of borehole at 15 feet



Client: NRP Holdings LLC		Site: 115 South MacQuesten Parkway		Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway		City/State: Mt Vernon, New York		Logged By: P. Kilkelly	
Start to Finish Date: 12/15/2021 - 12/15/2021		Contractor: Aquifer Drilling and Testing LLC		Drill Type: Geoprobe	
Borehole Depth: 17 feet		Backfill: Cuttings		Borehole Diameter: 3-inches	
Area: 115 South MacQuesten Pwy		Elevation: NM		Northing: NM	
				Easting: NM	

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE SLAB.				
	MIXD		Dark Black, fine to coarse SAND, some fine to coarse Gravel and Ash, little Brick and Concrete (FILL); dry.			0.0	Soil sample SB-19_(0-2) collected.
	MIXD		Brown, fine to medium SAND, some Silt, little Brick (FILL); dry.			0.0	
	MIXD		Brown, fine to medium SAND, some Clay, little Brick (FILL); dry.	G	5	0.0	
			Light to medium brown, CLAY, some fine to medium Sand; dry.			0.0	
5	CLS					0.0	Preleared to 5 ft bls.
					3	0.0	
						0.0	
						0.0	Soil sample SB-19_(8-10) collected.
						0.0	
10	MH		Brown, SILT, little Clay; moist.			0.0	Groundwater observed at approximately 10 ft bls.
						0.0	
						0.0	Groundwater sample TW-6 collected from 1" PVC temporary groundwater monitoring well via peristaltic pump.
						0.0	
15	MH		Brown, SILT, little Clay; wet.			0.0	
						0.0	
						0.0	Refusal encountered at approximately 17 ft bls.

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Bottom of borehole at 17 feet



Client: NRP Holdings LLC		Site: 115 South MacQuesten Parkway		Project Number: 2908.0008Y000	
Address: 115 South MacQuesten Parkway		City/State: Mt Vernon, New York		Logged By: P. Kilkelly	
Start to Finish Date: 12/21/2021 - 12/21/2021		Contractor: Aquifer Drilling and Testing LLC		Drill Type: Hand Auger	
Borehole Depth: 5 feet		Backfill: Cuttings		Borehole Diameter: 4-inches	
Area: 111 South MacQuesten Pwy		Elevation: NM		Northing: NM	
				Easting: NM	

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
1	MIXD		Brown, fine to coarse SAND, some Silt, little fine to medium Gravel and Asphalt (FILL); dry.			0.0	Soil sample SB-20_(0-2) collected.
2			Dark brown, fine to coarse SAND, some fine to medium Gravel, little Brick and Concrete (FILL); dry.			0.0	
3	MIXD			G	5	0.0	Soil sample SB-20_(3-5) collected.
4						0.0	Preleared to 5 ft bls.

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Bottom of borehole at 5 feet

Phase II Environmental Site Assessment/BCP Eligibility Summary Report
115 South MacQuesten Parkway, Mount Vernon, New York

ATTACHMENT 2

Laboratory Analytical Reports



ANALYTICAL REPORT

Lab Number:	L2056189
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Ronald Lombino
Phone:	(631) 630-2372
Project Name:	MT. VERNON
Project Number:	2908.0008Y000
Report Date:	12/21/20

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508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2056189-01	SB-5 (0-2)	SOIL	MT. VERNON, 1155 MACQUESTEN PKWY, NY	12/15/20 09:30	12/15/20
L2056189-02	DW-1 (0-2)	SOIL	MT. VERNON, 1155 MACQUESTEN PKWY, NY	12/15/20 11:00	12/15/20
L2056189-03	SB-4 (0-2)	SOIL	MT. VERNON, 1155 MACQUESTEN PKWY, NY	12/15/20 12:15	12/15/20
L2056189-04	SB-3 (0-2)	SOIL	MT. VERNON, 1155 MACQUESTEN PKWY, NY	12/15/20 14:15	12/15/20
L2056189-05	SB-6 (0-2)	SOIL	MT. VERNON, 1155 MACQUESTEN PKWY, NY	12/15/20 15:00	12/15/20

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Case Narrative

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

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

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

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

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

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

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Case Narrative (continued)

Report Submission

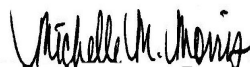
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

L2056189-01 through -05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 12/21/20

ORGANICS

VOLATILES

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-01
Client ID: SB-5 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 09:30
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/18/20 10:54
Analyst: JC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.95	0.52	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-01
Client ID: SB-5 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 09:30
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.95	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	ND		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-01
Client ID: SB-5 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 09:30
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	114		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-02
Client ID: DW-1 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 11:00
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/17/20 17:23
Analyst: JC
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-02
Client ID: DW-1 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 11:00
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	25		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	0.36	J	ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	2.5	J	ug/kg	4.3	0.71	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-02
Client ID: DW-1 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 11:00
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	118		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-03
Client ID: SB-4 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 12:15
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/17/20 17:48
Analyst: JC
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	6.6		ug/kg	0.47	0.19	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.95	0.52	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.22	1
trans-1,2-Dichloroethene	0.51	J	ug/kg	1.4	0.13	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-03
Client ID: SB-4 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 12:15
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	32		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	11		ug/kg	0.95	0.17	1
1,2-Dichloroethene, Total	12	J	ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.95	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	ND		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	3.7	J	ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-03
Client ID: SB-4 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 12:15
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	116		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-04
Client ID: SB-3 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 14:15
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/17/20 18:13
Analyst: JC
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.36	1
Tetrachloroethene	15		ug/kg	0.68	0.26	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.94	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.23	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.68	0.22	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.22	1
Benzene	ND		ug/kg	0.68	0.22	1
Toluene	ND		ug/kg	1.4	0.74	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.4	1.3	1
Bromomethane	ND		ug/kg	2.7	0.79	1
Vinyl chloride	ND		ug/kg	1.4	0.45	1
Chloroethane	ND		ug/kg	2.7	0.61	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-04
Client ID: SB-3 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 14:15
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.38	J	ug/kg	0.68	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.76	1
o-Xylene	ND		ug/kg	1.4	0.39	1
Xylenes, Total	ND		ug/kg	1.4	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.4	0.26	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	ND		ug/kg	14	6.5	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	ND		ug/kg	14	3.0	1
Vinyl acetate	ND		ug/kg	14	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.4	0.88	1
Acrylonitrile	ND		ug/kg	5.4	1.6	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-04
Client ID: SB-3 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 14:15
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	48.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	120		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-05
 Client ID: SB-6 (0-2)
 Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 15:00
 Date Received: 12/15/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/17/20 18:38
 Analyst: JC
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	6.0		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	0.16	J	ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-05
Client ID: SB-6 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 15:00
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	0.74	J	ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	0.74	J	ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	ND		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.66	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-05
Client ID: SB-6 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 15:00
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	0.33	J	ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	0.65	J	ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	81	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	0.19	J	ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	119		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/18/20 06:20
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1446606-5					
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
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-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

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/18/20 06:20
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1446606-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
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
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
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
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/18/20 06:20
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1446606-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	0.90	J	ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
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
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	109		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/17/20 13:06
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-05 Batch: WG1446726-5					
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
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-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

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/17/20 13:06
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-05 Batch: WG1446726-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
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
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
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
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/17/20 13:06
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-05 Batch: WG1446726-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
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
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
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
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

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 Batch: WG1446606-3 WG1446606-4								
Methylene chloride	100		98		70-130	2		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	101		99		70-130	2		30
Carbon tetrachloride	105		102		70-130	3		30
1,2-Dichloropropane	99		98		70-130	1		30
Dibromochloromethane	101		102		70-130	1		30
1,1,2-Trichloroethane	98		97		70-130	1		30
Tetrachloroethene	124		122		70-130	2		30
Chlorobenzene	107		106		70-130	1		30
Trichlorofluoromethane	107		98		70-139	9		30
1,2-Dichloroethane	97		97		70-130	0		30
1,1,1-Trichloroethane	109		106		70-130	3		30
Bromodichloromethane	107		107		70-130	0		30
trans-1,3-Dichloropropene	101		101		70-130	0		30
cis-1,3-Dichloropropene	96		95		70-130	1		30
1,1-Dichloropropene	106		103		70-130	3		30
Bromoform	112		113		70-130	1		30
1,1,2,2-Tetrachloroethane	94		95		70-130	1		30
Benzene	103		102		70-130	1		30
Toluene	98		98		70-130	0		30
Ethylbenzene	100		99		70-130	1		30
Chloromethane	102		96		52-130	6		30
Bromomethane	63		60		57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1446606-3 WG1446606-4								
Vinyl chloride	66	Q	64	Q	67-130	3		30
Chloroethane	62		63		50-151	2		30
1,1-Dichloroethene	107		104		65-135	3		30
trans-1,2-Dichloroethene	110		105		70-130	5		30
Trichloroethene	112		110		70-130	2		30
1,2-Dichlorobenzene	107		107		70-130	0		30
1,3-Dichlorobenzene	109		108		70-130	1		30
1,4-Dichlorobenzene	106		104		70-130	2		30
Methyl tert butyl ether	111		110		66-130	1		30
p/m-Xylene	110		108		70-130	2		30
o-Xylene	111		109		70-130	2		30
cis-1,2-Dichloroethene	110		107		70-130	3		30
Dibromomethane	107		106		70-130	1		30
Styrene	98		97		70-130	1		30
Dichlorodifluoromethane	108		106		30-146	2		30
Acetone	96		94		54-140	2		30
Carbon disulfide	93		90		59-130	3		30
2-Butanone	100		98		70-130	2		30
Vinyl acetate	103		102		70-130	1		30
4-Methyl-2-pentanone	90		90		70-130	0		30
1,2,3-Trichloropropane	88		88		68-130	0		30
2-Hexanone	95		94		70-130	1		30
Bromochloromethane	120		119		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

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 Batch: WG1446606-3 WG1446606-4								
2,2-Dichloropropane	108		106		70-130	2		30
1,2-Dibromoethane	110		110		70-130	0		30
1,3-Dichloropropane	95		96		69-130	1		30
1,1,1,2-Tetrachloroethane	104		103		70-130	1		30
Bromobenzene	111		110		70-130	1		30
n-Butylbenzene	93		92		70-130	1		30
sec-Butylbenzene	100		99		70-130	1		30
tert-Butylbenzene	107		105		70-130	2		30
o-Chlorotoluene	95		93		70-130	2		30
p-Chlorotoluene	98		97		70-130	1		30
1,2-Dibromo-3-chloropropane	109		108		68-130	1		30
Hexachlorobutadiene	117		115		67-130	2		30
Isopropylbenzene	102		100		70-130	2		30
p-Isopropyltoluene	109		107		70-130	2		30
Naphthalene	146	Q	128		70-130	13		30
Acrylonitrile	114		112		70-130	2		30
n-Propylbenzene	94		92		70-130	2		30
1,2,3-Trichlorobenzene	121		124		70-130	2		30
1,2,4-Trichlorobenzene	120		122		70-130	2		30
1,3,5-Trimethylbenzene	104		102		70-130	2		30
1,2,4-Trimethylbenzene	106		104		70-130	2		30
1,4-Dioxane	114		118		65-136	3		30
p-Diethylbenzene	111		109		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

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 Batch: WG1446606-3 WG1446606-4								
p-Ethyltoluene	105		103		70-130	2		30
1,2,4,5-Tetramethylbenzene	118		118		70-130	0		30
Ethyl ether	109		108		67-130	1		30
trans-1,4-Dichloro-2-butene	100		102		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	107		106		70-130
4-Bromofluorobenzene	108		109		70-130
Dibromofluoromethane	114		114		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-05 Batch: WG1446726-3 WG1446726-4								
Methylene chloride	99		100		70-130	1		30
1,1-Dichloroethane	100		100		70-130	0		30
Chloroform	103		103		70-130	0		30
Carbon tetrachloride	117		118		70-130	1		30
1,2-Dichloropropane	95		96		70-130	1		30
Dibromochloromethane	100		103		70-130	3		30
1,1,2-Trichloroethane	90		94		70-130	4		30
Tetrachloroethene	132	Q	130		70-130	2		30
Chlorobenzene	107		106		70-130	1		30
Trichlorofluoromethane	104		122		70-139	16		30
1,2-Dichloroethane	98		101		70-130	3		30
1,1,1-Trichloroethane	117		117		70-130	0		30
Bromodichloromethane	106		109		70-130	3		30
trans-1,3-Dichloropropene	95		98		70-130	3		30
cis-1,3-Dichloropropene	90		93		70-130	3		30
1,1-Dichloropropene	110		110		70-130	0		30
Bromoform	109		113		70-130	4		30
1,1,2,2-Tetrachloroethane	86		90		70-130	5		30
Benzene	103		102		70-130	1		30
Toluene	98		98		70-130	0		30
Ethylbenzene	101		99		70-130	2		30
Chloromethane	112		108		52-130	4		30
Bromomethane	69		66		57-147	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-05 Batch: WG1446726-3 WG1446726-4								
Vinyl chloride	70		70		67-130	0		30
Chloroethane	65		68		50-151	5		30
1,1-Dichloroethene	116		114		65-135	2		30
trans-1,2-Dichloroethene	113		113		70-130	0		30
Trichloroethene	116		117		70-130	1		30
1,2-Dichlorobenzene	106		108		70-130	2		30
1,3-Dichlorobenzene	109		110		70-130	1		30
1,4-Dichlorobenzene	106		106		70-130	0		30
Methyl tert butyl ether	104		108		66-130	4		30
p/m-Xylene	111		111		70-130	0		30
o-Xylene	110		110		70-130	0		30
cis-1,2-Dichloroethene	110		110		70-130	0		30
Dibromomethane	103		108		70-130	5		30
Styrene	97		97		70-130	0		30
Dichlorodifluoromethane	133		130		30-146	2		30
Acetone	97		100		54-140	3		30
Carbon disulfide	98		97		59-130	1		30
2-Butanone	97		101		70-130	4		30
Vinyl acetate	101		103		70-130	2		30
4-Methyl-2-pentanone	79		85		70-130	7		30
1,2,3-Trichloropropane	81		86		68-130	6		30
2-Hexanone	86		91		70-130	6		30
Bromochloromethane	121		124		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits	Qual		Limits	
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-05 Batch: WG1446726-3 WG1446726-4									
2,2-Dichloropropane	115		114		70-130		1		30
1,2-Dibromoethane	103		108		70-130		5		30
1,3-Dichloropropane	88		91		69-130		3		30
1,1,1,2-Tetrachloroethane	107		108		70-130		1		30
Bromobenzene	110		110		70-130		0		30
n-Butylbenzene	96		95		70-130		1		30
sec-Butylbenzene	104		102		70-130		2		30
tert-Butylbenzene	111		109		70-130		2		30
o-Chlorotoluene	95		94		70-130		1		30
p-Chlorotoluene	96		96		70-130		0		30
1,2-Dibromo-3-chloropropane	103		108		68-130		5		30
Hexachlorobutadiene	125		124		67-130		1		30
Isopropylbenzene	103		102		70-130		1		30
p-Isopropyltoluene	113		112		70-130		1		30
Naphthalene	113		120		70-130		6		30
Acrylonitrile	105		113		70-130		7		30
n-Propylbenzene	94		93		70-130		1		30
1,2,3-Trichlorobenzene	119		122		70-130		2		30
1,2,4-Trichlorobenzene	118		121		70-130		3		30
1,3,5-Trimethylbenzene	104		104		70-130		0		30
1,2,4-Trimethylbenzene	106		105		70-130		1		30
1,4-Dioxane	132		141	Q	65-136		7		30
p-Diethylbenzene	114		113		70-130		1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-05 Batch: WG1446726-3 WG1446726-4								
p-Ethyltoluene	106		103		70-130	3		30
1,2,4,5-Tetramethylbenzene	116		117		70-130	1		30
Ethyl ether	102		107		67-130	5		30
trans-1,4-Dichloro-2-butene	97		103		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		108		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	119		119		70-130

SEMIVOLATILES

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-01
Client ID: SB-5 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 09:30
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/20/20 01:29
Analyst: EK
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 12/18/20 20:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	140	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	33.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	1600		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	82	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	64.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	63.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-01
 Client ID: SB-5 (0-2)
 Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 09:30
 Date Received: 12/15/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	890		ug/kg	110	21.	1
Benzo(a)pyrene	840		ug/kg	150	45.	1
Benzo(b)fluoranthene	1000		ug/kg	110	31.	1
Benzo(k)fluoranthene	320		ug/kg	110	30.	1
Chrysene	860		ug/kg	110	19.	1
Acenaphthylene	67	J	ug/kg	150	29.	1
Anthracene	310		ug/kg	110	36.	1
Benzo(ghi)perylene	410		ug/kg	150	22.	1
Fluorene	110	J	ug/kg	190	18.	1
Phenanthrene	1100		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	110		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	460		ug/kg	150	26.	1
Pyrene	1400		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	68	J	ug/kg	190	18.	1
2-Methylnaphthalene	40	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-01
 Client ID: SB-5 (0-2)
 Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 09:30
 Date Received: 12/15/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	110	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	59		10-136
4-Terphenyl-d14	54		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-02
Client ID: DW-1 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 11:00
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/20/20 01:55
Analyst: EK
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 12/18/20 20:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	37.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	200		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	210		ug/kg	210	72.	1
Butyl benzyl phthalate	310		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-02
Client ID: DW-1 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 11:00
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	110	J	ug/kg	120	23.	1
Benzo(a)pyrene	130	J	ug/kg	170	51.	1
Benzo(b)fluoranthene	150		ug/kg	120	35.	1
Benzo(k)fluoranthene	45	J	ug/kg	120	33.	1
Chrysene	110	J	ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	88	J	ug/kg	170	24.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	72	J	ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	82	J	ug/kg	170	29.	1
Pyrene	200		ug/kg	120	21.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	190	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	97.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-02
 Client ID: DW-1 (0-2)
 Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 11:00
 Date Received: 12/15/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	31	9.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	77		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-03
Client ID: SB-4 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 12:15
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/20/20 02:20
Analyst: EK
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 12/18/20 20:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1500		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	7400		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	350		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	66.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-03
Client ID: SB-4 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 12:15
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	5000		ug/kg	120	22.	1
Benzo(a)pyrene	5000		ug/kg	160	48.	1
Benzo(b)fluoranthene	5400		ug/kg	120	33.	1
Benzo(k)fluoranthene	1900		ug/kg	120	31.	1
Chrysene	4300		ug/kg	120	20.	1
Acenaphthylene	150	J	ug/kg	160	30.	1
Anthracene	2200		ug/kg	120	38.	1
Benzo(ghi)perylene	2200		ug/kg	160	23.	1
Fluorene	890		ug/kg	200	19.	1
Phenanthrene	7100		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	610		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	2600		ug/kg	160	27.	1
Pyrene	6600		ug/kg	120	19.	1
Biphenyl	56	J	ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	420		ug/kg	200	18.	1
2-Methylnaphthalene	150	J	ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	200	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-03
 Client ID: SB-4 (0-2)
 Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 12:15
 Date Received: 12/15/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	810		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	56		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-04
Client ID: SB-3 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 14:15
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/20/20 02:46
Analyst: EK
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 12/18/20 20:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	33	J	ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	1400		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	140	J	ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	51	J	ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-04
 Client ID: SB-3 (0-2)
 Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 14:15
 Date Received: 12/15/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	1600		ug/kg	120	23.	1
Benzo(a)pyrene	1100		ug/kg	160	49.	1
Benzo(b)fluoranthene	1200		ug/kg	120	34.	1
Benzo(k)fluoranthene	450		ug/kg	120	32.	1
Chrysene	1600		ug/kg	120	21.	1
Acenaphthylene	600		ug/kg	160	31.	1
Anthracene	290		ug/kg	120	40.	1
Benzo(ghi)perylene	980		ug/kg	160	24.	1
Fluorene	79	J	ug/kg	200	20.	1
Phenanthrene	760		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	270		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	950		ug/kg	160	28.	1
Pyrene	2000		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	74	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	97.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-04
 Client ID: SB-3 (0-2)
 Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 14:15
 Date Received: 12/15/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	40	J	ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	55		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-05
 Client ID: SB-6 (0-2)
 Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 15:00
 Date Received: 12/15/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/20 03:12
 Analyst: EK
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 12/18/20 20:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	370		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	47	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	190		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-05
Client ID: SB-6 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 15:00
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	220		ug/kg	110	22.	1
Benzo(a)pyrene	230		ug/kg	150	47.	1
Benzo(b)fluoranthene	310		ug/kg	110	32.	1
Benzo(k)fluoranthene	110		ug/kg	110	30.	1
Chrysene	280		ug/kg	110	20.	1
Acenaphthylene	79	J	ug/kg	150	29.	1
Anthracene	67	J	ug/kg	110	37.	1
Benzo(ghi)perylene	100	J	ug/kg	150	22.	1
Fluorene	20	J	ug/kg	190	18.	1
Phenanthrene	240		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	30	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	150	27.	1
Pyrene	360		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	46	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-05
 Client ID: SB-6 (0-2)
 Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 15:00
 Date Received: 12/15/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	22	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	54		10-136
4-Terphenyl-d14	61		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/21/20 09:06
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 12/18/20 20:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1446949-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	18.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/21/20 09:06
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 12/18/20 20:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1446949-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	53.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 12/21/20 09:06
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 12/18/20 20:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatiles Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1446949-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	75.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	95		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	110		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1446949-2 WG1446949-3								
Acenaphthene	59		65		31-137	10		50
1,2,4-Trichlorobenzene	58		66		38-107	13		50
Hexachlorobenzene	62		72		40-140	15		50
Bis(2-chloroethyl)ether	52		56		40-140	7		50
2-Chloronaphthalene	62		71		40-140	14		50
1,2-Dichlorobenzene	51		55		40-140	8		50
1,3-Dichlorobenzene	53		56		40-140	6		50
1,4-Dichlorobenzene	51		54		28-104	6		50
3,3'-Dichlorobenzidine	48		52		40-140	8		50
2,4-Dinitrotoluene	75		83		40-132	10		50
2,6-Dinitrotoluene	71		80		40-140	12		50
Fluoranthene	67		74		40-140	10		50
4-Chlorophenyl phenyl ether	64		73		40-140	13		50
4-Bromophenyl phenyl ether	70		82		40-140	16		50
Bis(2-chloroisopropyl)ether	49		52		40-140	6		50
Bis(2-chloroethoxy)methane	61		66		40-117	8		50
Hexachlorobutadiene	64		67		40-140	5		50
Hexachlorocyclopentadiene	58		63		40-140	8		50
Hexachloroethane	49		52		40-140	6		50
Isophorone	57		61		40-140	7		50
Naphthalene	57		62		40-140	8		50
Nitrobenzene	64		70		40-140	9		50
NDPA/DPA	68		75		36-157	10		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1446949-2 WG1446949-3								
n-Nitrosodi-n-propylamine	65		68		32-121	5		50
Bis(2-ethylhexyl)phthalate	64		70		40-140	9		50
Butyl benzyl phthalate	70		78		40-140	11		50
Di-n-butylphthalate	66		72		40-140	9		50
Di-n-octylphthalate	66		71		40-140	7		50
Diethyl phthalate	65		70		40-140	7		50
Dimethyl phthalate	66		72		40-140	9		50
Benzo(a)anthracene	63		69		40-140	9		50
Benzo(a)pyrene	73		76		40-140	4		50
Benzo(b)fluoranthene	70		73		40-140	4		50
Benzo(k)fluoranthene	58		63		40-140	8		50
Chrysene	58		63		40-140	8		50
Acenaphthylene	63		70		40-140	11		50
Anthracene	58		65		40-140	11		50
Benzo(ghi)perylene	65		70		40-140	7		50
Fluorene	66		73		40-140	10		50
Phenanthrene	61		67		40-140	9		50
Dibenzo(a,h)anthracene	63		68		40-140	8		50
Indeno(1,2,3-cd)pyrene	70		76		40-140	8		50
Pyrene	66		74		35-142	11		50
Biphenyl	68		76		37-127	11		50
4-Chloroaniline	40		42		40-140	5		50
2-Nitroaniline	70		81		47-134	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1446949-2 WG1446949-3								
3-Nitroaniline	52		59		26-129	13		50
4-Nitroaniline	64		72		41-125	12		50
Dibenzofuran	66		73		40-140	10		50
2-Methylnaphthalene	64		70		40-140	9		50
1,2,4,5-Tetrachlorobenzene	71		82		40-117	14		50
Acetophenone	73		77		14-144	5		50
2,4,6-Trichlorophenol	80		85		30-130	6		50
p-Chloro-m-cresol	73		80		26-103	9		50
2-Chlorophenol	60		65		25-102	8		50
2,4-Dichlorophenol	69		76		30-130	10		50
2,4-Dimethylphenol	67		71		30-130	6		50
2-Nitrophenol	65		68		30-130	5		50
4-Nitrophenol	85		92		11-114	8		50
2,4-Dinitrophenol	65		74		4-130	13		50
4,6-Dinitro-o-cresol	69		79		10-130	14		50
Pentachlorophenol	62		68		17-109	9		50
Phenol	60		63		26-90	5		50
2-Methylphenol	62		66		30-130.	6		50
3-Methylphenol/4-Methylphenol	67		71		30-130	6		50
2,4,5-Trichlorophenol	68		79		30-130	15		50
Benzoic Acid	58		61		10-110	5		50
Benzyl Alcohol	73		78		40-140	7		50
Carbazole	66		72		54-128	9		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1446949-2 WG1446949-3								
1,4-Dioxane	44		48		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	59		64		25-120
Phenol-d6	64		69		10-120
Nitrobenzene-d5	65		68		23-120
2-Fluorobiphenyl	65		73		30-120
2,4,6-Tribromophenol	63		72		10-136
4-Terphenyl-d14	65		73		18-120

PCBS

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-05
Client ID: SB-6 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 15:00
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/20/20 10:29
Analyst: AWS
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/19/20 12:45
Cleanup Method: EPA 3665A
Cleanup Date: 12/19/20
Cleanup Method: EPA 3660B
Cleanup Date: 12/20/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.4	3.33	1	A
Aroclor 1221	ND		ug/kg	37.4	3.75	1	A
Aroclor 1232	ND		ug/kg	37.4	7.94	1	A
Aroclor 1242	ND		ug/kg	37.4	5.05	1	A
Aroclor 1248	ND		ug/kg	37.4	5.62	1	A
Aroclor 1254	ND		ug/kg	37.4	4.10	1	A
Aroclor 1260	ND		ug/kg	37.4	6.92	1	A
Aroclor 1262	ND		ug/kg	37.4	4.76	1	A
Aroclor 1268	ND		ug/kg	37.4	3.88	1	A
PCBs, Total	ND		ug/kg	37.4	3.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/20/20 10:08
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 12/19/20 12:45
Cleanup Method: EPA 3665A
Cleanup Date: 12/19/20
Cleanup Method: EPA 3660B
Cleanup Date: 12/20/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05 Batch: WG1447153-1						
Aroclor 1016	ND		ug/kg	31.5	2.80	A
Aroclor 1221	ND		ug/kg	31.5	3.16	A
Aroclor 1232	ND		ug/kg	31.5	6.69	A
Aroclor 1242	ND		ug/kg	31.5	4.25	A
Aroclor 1248	ND		ug/kg	31.5	4.73	A
Aroclor 1254	ND		ug/kg	31.5	3.45	A
Aroclor 1260	ND		ug/kg	31.5	5.83	A
Aroclor 1262	ND		ug/kg	31.5	4.01	A
Aroclor 1268	ND		ug/kg	31.5	3.27	A
PCBs, Total	ND		ug/kg	31.5	2.80	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	73		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05 Batch: WG1447153-2 WG1447153-3									
Aroclor 1016	84		88		40-140	5		50	A
Aroclor 1260	69		69		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		82		30-150	A
Decachlorobiphenyl	64		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		96		30-150	B
Decachlorobiphenyl	76		78		30-150	B

METALS

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-01
 Client ID: SB-5 (0-2)
 Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 09:30
 Date Received: 12/15/20
 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	6410		mg/kg	8.71	2.35	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Antimony, Total	1.33	J	mg/kg	4.36	0.331	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Arsenic, Total	5.26		mg/kg	0.871	0.181	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Barium, Total	116		mg/kg	0.871	0.152	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.436	0.029	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Cadmium, Total	0.680	J	mg/kg	0.871	0.085	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Calcium, Total	34300		mg/kg	8.71	3.05	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Chromium, Total	17.6		mg/kg	0.871	0.084	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Cobalt, Total	6.34		mg/kg	1.74	0.145	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Copper, Total	35.0		mg/kg	0.871	0.225	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Iron, Total	13500		mg/kg	4.36	0.787	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Lead, Total	237		mg/kg	4.36	0.233	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Magnesium, Total	17200		mg/kg	8.71	1.34	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Manganese, Total	323		mg/kg	0.871	0.138	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Mercury, Total	0.234		mg/kg	0.074	0.049	1	12/19/20 13:08	12/21/20 09:41	EPA 7471B	1,7471B	VW
Nickel, Total	12.0		mg/kg	2.18	0.211	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Potassium, Total	1210		mg/kg	218	12.5	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Selenium, Total	0.723	J	mg/kg	1.74	0.225	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Silver, Total	0.322	J	mg/kg	0.871	0.246	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Sodium, Total	640		mg/kg	174	2.74	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.74	0.274	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Vanadium, Total	27.1		mg/kg	0.871	0.177	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD
Zinc, Total	144		mg/kg	4.36	0.255	2	12/19/20 13:08	12/21/20 12:36	EPA 3050B	1,6010D	GD



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-02
 Client ID: DW-1 (0-2)
 Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 11:00
 Date Received: 12/15/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6000		mg/kg	9.66	2.61	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Antimony, Total	1.41	J	mg/kg	4.83	0.367	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Arsenic, Total	2.86		mg/kg	0.966	0.201	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Barium, Total	33.9		mg/kg	0.966	0.168	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.483	0.032	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Cadmium, Total	0.473	J	mg/kg	0.966	0.095	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Calcium, Total	2210		mg/kg	9.66	3.38	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Chromium, Total	22.5		mg/kg	0.966	0.093	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Cobalt, Total	6.61		mg/kg	1.93	0.160	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Copper, Total	25.8		mg/kg	0.966	0.249	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Iron, Total	13800		mg/kg	4.83	0.872	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Lead, Total	27.9		mg/kg	4.83	0.259	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Magnesium, Total	3350		mg/kg	9.66	1.49	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Manganese, Total	114		mg/kg	0.966	0.154	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Mercury, Total	0.059	J	mg/kg	0.085	0.055	1	12/19/20 13:08	12/21/20 09:45	EPA 7471B	1,7471B	VW
Nickel, Total	13.1		mg/kg	2.42	0.234	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Potassium, Total	1660		mg/kg	242	13.9	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.93	0.249	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Silver, Total	2.98		mg/kg	0.966	0.273	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Sodium, Total	191	J	mg/kg	193	3.04	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.93	0.304	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Vanadium, Total	27.8		mg/kg	0.966	0.196	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD
Zinc, Total	105		mg/kg	4.83	0.283	2	12/19/20 13:08	12/21/20 12:40	EPA 3050B	1,6010D	GD



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-03
 Client ID: SB-4 (0-2)
 Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 12:15
 Date Received: 12/15/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8890		mg/kg	9.28	2.50	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Antimony, Total	3.80	J	mg/kg	4.64	0.352	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Arsenic, Total	6.76		mg/kg	0.928	0.193	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Barium, Total	162		mg/kg	0.928	0.161	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.464	0.031	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Cadmium, Total	0.965		mg/kg	0.928	0.091	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Calcium, Total	9620		mg/kg	9.28	3.25	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Chromium, Total	22.8		mg/kg	0.928	0.089	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Cobalt, Total	7.98		mg/kg	1.86	0.154	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Copper, Total	71.3		mg/kg	0.928	0.239	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Iron, Total	22500		mg/kg	4.64	0.838	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Lead, Total	370		mg/kg	4.64	0.249	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Magnesium, Total	4600		mg/kg	9.28	1.43	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Manganese, Total	331		mg/kg	0.928	0.148	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Mercury, Total	0.527		mg/kg	0.075	0.049	1	12/19/20 13:08	12/21/20 09:54	EPA 7471B	1,7471B	VW
Nickel, Total	16.4		mg/kg	2.32	0.224	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Potassium, Total	1180		mg/kg	232	13.4	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Selenium, Total	0.983	J	mg/kg	1.86	0.239	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Silver, Total	2.31		mg/kg	0.928	0.262	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Sodium, Total	933		mg/kg	186	2.92	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.86	0.292	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Vanadium, Total	33.1		mg/kg	0.928	0.188	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD
Zinc, Total	309		mg/kg	4.64	0.272	2	12/19/20 13:08	12/21/20 13:23	EPA 3050B	1,6010D	GD



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-04
 Client ID: SB-3 (0-2)
 Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 14:15
 Date Received: 12/15/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7200		mg/kg	9.43	2.54	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Antimony, Total	2.01	J	mg/kg	4.71	0.358	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Arsenic, Total	7.26		mg/kg	0.943	0.196	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Barium, Total	171		mg/kg	0.943	0.164	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.471	0.031	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Cadmium, Total	1.12		mg/kg	0.943	0.092	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Calcium, Total	15000		mg/kg	9.43	3.30	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Chromium, Total	13.8		mg/kg	0.943	0.091	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Cobalt, Total	6.13		mg/kg	1.88	0.156	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Copper, Total	61.8		mg/kg	0.943	0.243	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Iron, Total	15600		mg/kg	4.71	0.851	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Lead, Total	416		mg/kg	4.71	0.253	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Magnesium, Total	7150		mg/kg	9.43	1.45	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Manganese, Total	343		mg/kg	0.943	0.150	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Mercury, Total	0.244		mg/kg	0.078	0.051	1	12/19/20 13:08	12/21/20 09:58	EPA 7471B	1,7471B	VW
Nickel, Total	14.4		mg/kg	2.36	0.228	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Potassium, Total	571		mg/kg	236	13.6	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Selenium, Total	0.716	J	mg/kg	1.88	0.243	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Silver, Total	3.96		mg/kg	0.943	0.267	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Sodium, Total	100	J	mg/kg	188	2.97	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.88	0.297	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Vanadium, Total	25.9		mg/kg	0.943	0.191	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD
Zinc, Total	262		mg/kg	4.71	0.276	2	12/19/20 13:08	12/21/20 13:28	EPA 3050B	1,6010D	GD



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-05
 Client ID: SB-6 (0-2)
 Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 15:00
 Date Received: 12/15/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7440		mg/kg	8.86	2.39	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Antimony, Total	1.75	J	mg/kg	4.43	0.337	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Arsenic, Total	5.45		mg/kg	0.886	0.184	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Barium, Total	233		mg/kg	0.886	0.154	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.443	0.029	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Cadmium, Total	0.611	J	mg/kg	0.886	0.087	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Calcium, Total	10300		mg/kg	8.86	3.10	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Chromium, Total	14.8		mg/kg	0.886	0.085	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Cobalt, Total	6.89		mg/kg	1.77	0.147	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Copper, Total	55.1		mg/kg	0.886	0.228	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Iron, Total	13900		mg/kg	4.43	0.800	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Lead, Total	515		mg/kg	4.43	0.237	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Magnesium, Total	5260		mg/kg	8.86	1.36	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Manganese, Total	215		mg/kg	0.886	0.141	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Mercury, Total	0.144		mg/kg	0.081	0.053	1	12/19/20 13:08	12/21/20 10:01	EPA 7471B	1,7471B	VW
Nickel, Total	35.5		mg/kg	2.21	0.214	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Potassium, Total	1440		mg/kg	221	12.8	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Selenium, Total	0.753	J	mg/kg	1.77	0.228	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.886	0.251	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Sodium, Total	230		mg/kg	177	2.79	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.77	0.279	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Vanadium, Total	25.3		mg/kg	0.886	0.180	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD
Zinc, Total	185		mg/kg	4.43	0.260	2	12/19/20 13:08	12/21/20 14:47	EPA 3050B	1,6010D	GD



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1447117-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Antimony, Total	ND		mg/kg	2.00	0.152	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Calcium, Total	ND		mg/kg	4.00	1.40	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Chromium, Total	0.104	J	mg/kg	0.400	0.038	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Copper, Total	ND		mg/kg	0.400	0.103	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Iron, Total	0.912	J	mg/kg	2.00	0.361	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Manganese, Total	0.084	J	mg/kg	0.400	0.064	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Potassium, Total	ND		mg/kg	100	5.76	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Selenium, Total	0.152	J	mg/kg	0.800	0.103	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Sodium, Total	5.72	J	mg/kg	80.0	1.26	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/19/20 13:08	12/21/20 12:54	1,6010D	GD

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): 01-05 Batch: WG1447119-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	12/19/20 13:08	12/21/20 09:02	1,7471B	VW



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1447117-2 SRM Lot Number: D109-540								
Aluminum, Total	63		-		50-150	-		
Antimony, Total	162		-		19-250	-		
Arsenic, Total	108		-		70-130	-		
Barium, Total	93		-		75-125	-		
Beryllium, Total	93		-		75-125	-		
Cadmium, Total	101		-		75-125	-		
Calcium, Total	92		-		73-128	-		
Chromium, Total	94		-		70-130	-		
Cobalt, Total	102		-		75-125	-		
Copper, Total	97		-		75-125	-		
Iron, Total	90		-		35-165	-		
Lead, Total	105		-		72-128	-		
Magnesium, Total	82		-		62-138	-		
Manganese, Total	95		-		74-126	-		
Nickel, Total	103		-		70-130	-		
Potassium, Total	80		-		59-141	-		
Selenium, Total	105		-		68-132	-		
Silver, Total	98		-		68-131	-		
Sodium, Total	98		-		35-165	-		
Thallium, Total	104		-		68-131	-		
Vanadium, Total	94		-		59-141	-		



Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1447117-2 SRM Lot Number: D109-540					
Zinc, Total	106	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1447119-2 SRM Lot Number: D109-540					
Mercury, Total	94	-	60-140	-	

Matrix Spike Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1447117-3 QC Sample: L2056535-01 Client ID: MS Sample												
Aluminum, Total	11800	190	11700	0	Q	-	-		75-125	-		20
Antimony, Total	1.80J	47.6	41.1	86		-	-		75-125	-		20
Arsenic, Total	11.2	11.4	23.5	108		-	-		75-125	-		20
Barium, Total	56.7	190	211	81		-	-		75-125	-		20
Beryllium, Total	ND	4.76	3.64	76		-	-		75-125	-		20
Cadmium, Total	0.575	4.85	4.58	82		-	-		75-125	-		20
Calcium, Total	2020	952	2780	80		-	-		75-125	-		20
Chromium, Total	35.2	19	50.2	79		-	-		75-125	-		20
Cobalt, Total	10.4	47.6	48.9	81		-	-		75-125	-		20
Copper, Total	33.0	23.8	58.4	107		-	-		75-125	-		20
Iron, Total	19500	95.2	19200	0	Q	-	-		75-125	-		20
Lead, Total	26.8	48.5	63.6	76		-	-		75-125	-		20
Magnesium, Total	5580	952	6160	61	Q	-	-		75-125	-		20
Manganese, Total	289	47.6	304	32	Q	-	-		75-125	-		20
Nickel, Total	31.9	47.6	71.3	83		-	-		75-125	-		20
Potassium, Total	2750	952	3430	71	Q	-	-		75-125	-		20
Selenium, Total	0.285J	11.4	10.0	88		-	-		75-125	-		20
Silver, Total	ND	28.6	25.4	89		-	-		75-125	-		20
Sodium, Total	1840	952	2600	80		-	-		75-125	-		20
Thallium, Total	ND	11.4	8.08	71	Q	-	-		75-125	-		20
Vanadium, Total	31.9	47.6	71.2	82		-	-		75-125	-		20

Matrix Spike Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1447117-3 QC Sample: L2056535-01 Client ID: MS Sample									
Zinc, Total	68.3	47.6	103	73	Q	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1447119-3 QC Sample: L2056535-01 Client ID: MS Sample									
Mercury, Total	ND	0.168	0.214	128	Q	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1447117-4 QC Sample: L2056535-01 Client ID: DUP Sample						
Arsenic, Total	11.2	11.7	mg/kg	4		20
Barium, Total	56.7	59.6	mg/kg	5		20
Cadmium, Total	0.575	0.565	mg/kg	2		20
Chromium, Total	35.2	36.4	mg/kg	3		20
Lead, Total	26.8	21.3	mg/kg	23	Q	20
Selenium, Total	0.285J	0.292J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1447119-4 QC Sample: L2056535-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

INORGANICS & MISCELLANEOUS

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-01
Client ID: SB-5 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 09:30
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	12/16/20 11:24	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-02
Client ID: DW-1 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 11:00
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.2		%	0.100	NA	1	-	12/16/20 11:24	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-03
Client ID: SB-4 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 12:15
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	12/16/20 11:24	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-04
Client ID: SB-3 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 14:15
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.1		%	0.100	NA	1	-	12/16/20 11:24	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

SAMPLE RESULTS

Lab ID: L2056189-05
Client ID: SB-6 (0-2)
Sample Location: MT. VERNON, 1155 MACQUESTEN PKWY, NY

Date Collected: 12/15/20 15:00
Date Received: 12/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	12/16/20 11:24	121,2540G	RI



Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1445864-1 QC Sample: L2056170-01 Client ID: DUP Sample						
Solids, Total	86.2	85.0	%	1		20

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Serial_No:12212017:02
Lab Number: L2056189
Report Date: 12/21/20

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(*)
L2056189-01A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-01B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-01C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-01D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2056189-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L2056189-01F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)
L2056189-01X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-01Y	Vial Water preserved split	A	NA		3.2	Y	Absent	16-DEC-20 13:28	NYTCL-8260HLW(14)
L2056189-01Z	Vial Water preserved split	A	NA		3.2	Y	Absent	16-DEC-20 13:28	NYTCL-8260HLW(14)
L2056189-02A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-02B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-02C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-02D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2056189-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2056189-02F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)
L2056189-02X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-02Y	Vial Water preserved split	A	NA		3.2	Y	Absent	16-DEC-20 13:28	NYTCL-8260HLW(14)
L2056189-02Z	Vial Water preserved split	A	NA		3.2	Y	Absent	16-DEC-20 13:28	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Serial_No: 12212017:02
Lab Number: L2056189
Report Date: 12/21/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2056189-03A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-03B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-03C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-03D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2056189-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2056189-03F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)
L2056189-03X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-03Y	Vial Water preserved split	A	NA		3.2	Y	Absent	16-DEC-20 13:28	NYTCL-8260HLW(14)
L2056189-03Z	Vial Water preserved split	A	NA		3.2	Y	Absent	16-DEC-20 13:28	NYTCL-8260HLW(14)
L2056189-04A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-04B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-04C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-04D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2056189-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	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),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2056189-04F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)
L2056189-04X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-04Y	Vial Water preserved split	A	NA		3.2	Y	Absent	16-DEC-20 13:28	NYTCL-8260HLW(14)
L2056189-04Z	Vial Water preserved split	A	NA		3.2	Y	Absent	16-DEC-20 13:28	NYTCL-8260HLW(14)
L2056189-05A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-05B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-05C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-05D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Serial_No:12212017:02
Lab Number: L2056189
Report Date: 12/21/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2056189-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2056189-05F	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8082(14)
L2056189-05G	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8082(14)
L2056189-05X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2056189-05Y	Vial Water preserved split	A	NA		3.2	Y	Absent	16-DEC-20 13:28	NYTCL-8260HLW(14)
L2056189-05Z	Vial Water preserved split	A	NA		3.2	Y	Absent	16-DEC-20 13:28	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

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.

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- 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 Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

Data Qualifiers

- 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.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056189
Report Date: 12/21/20

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

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

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

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

Mansfield Facility

SM 2540D: TSS

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

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

EPA TO-12 Non-methane organics

EPA 3C Fixed 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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

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

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

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

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

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

Mansfield Facility:

Drinking Water

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

EPA 522.

Non-Potable Water


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

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

EPA 245.1 Hg.

SM2340B

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 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 of	Date Rec'd in Lab 12/16/20	ALPHA Job # 12054189																																																																	
	Project Information Project Name: Mt. Vernon Project Location: Mt. Vernon, N.Y. 41155. Marquisten Pkwy. Project # 2908.00084000 (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQulS (1 File) <input type="checkbox"/> EQulS (4 File) <input checked="" type="checkbox"/> Other Category B data deliverable		Billing Information <input checked="" type="checkbox"/> Same as Client Info PO #																																																																
	Client Information Client: RALX Env. Eng. & Inc., DPC Address: 209 Shafter Street, Islandia, New York 11749 Phone: (631) 630-2372 Fax: Email: rlombino@rouxinc.com		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input checked="" type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input checked="" type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:																																																																
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	05 SB-6(0-2)		1500			X	X	X	X																																																												
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type 2/p A A A Preservative A A A A		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.)																																																															
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ANALYTICAL REPORT

Lab Number:	L2056385
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Ronald Lombino
Phone:	(631) 630-2372
Project Name:	MT. VERNON
Project Number:	2908.0008Y000
Report Date:	12/22/20

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

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

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



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2056385-01	SB-1 (0-2)	SOIL	115 S. MACQUESTEN PKWY, MT. VERNON, NY	12/16/20 09:15	12/16/20
L2056385-02	SB-2 (0-2)	SOIL	115 S. MACQUESTEN PKWY, MT. VERNON, NY	12/16/20 12:15	12/16/20

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Case Narrative

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

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

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

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

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

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

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Case Narrative (continued)

Report Submission

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

Total Metals

L2056385-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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

Authorized Signature:  Tiffani Morrissey

Title: Technical Director/Representative

Date: 12/22/20

ORGANICS

VOLATILES

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

SAMPLE RESULTS

Lab ID: L2056385-01
Client ID: SB-1 (0-2)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/16/20 09:15
Date Received: 12/16/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/18/20 16:13
Analyst: MKS
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	1.0	J	ug/kg	2.3	0.67	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

SAMPLE RESULTS

Lab ID: L2056385-01
Client ID: SB-1 (0-2)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/16/20 09:15
Date Received: 12/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	14		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	3.6	J	ug/kg	4.6	0.75	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

SAMPLE RESULTS

Lab ID: L2056385-01
 Client ID: SB-1 (0-2)
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/16/20 09:15
 Date Received: 12/16/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	0.43	J	ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	93	41.	1
p-Diethylbenzene	0.26	J	ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	128		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	117		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

SAMPLE RESULTS

Lab ID: L2056385-02
 Client ID: SB-2 (0-2)
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/16/20 12:15
 Date Received: 12/16/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/18/20 16:40
 Analyst: MKS
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	0.65		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	0.79	J	ug/kg	2.3	0.67	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

SAMPLE RESULTS

Lab ID: L2056385-02
Client ID: SB-2 (0-2)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/16/20 12:15
Date Received: 12/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	2.5		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.6	0.75	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

SAMPLE RESULTS

Lab ID: L2056385-02
Client ID: SB-2 (0-2)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/16/20 12:15
Date Received: 12/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	93	41.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	117		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/18/20 15:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1447356-5					
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
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	1.1	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/18/20 15:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1447356-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
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
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
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
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/18/20 15:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1447356-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
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
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
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
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds

Total TIC Compounds	2.10	J	ug/kg
Unknown	2.10	J	ug/kg

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/18/20 15:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1447356-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	116		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

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: WG1447356-3 WG1447356-4								
Methylene chloride	106		101		70-130	5		30
1,1-Dichloroethane	116		109		70-130	6		30
Chloroform	115		108		70-130	6		30
Carbon tetrachloride	135	Q	128		70-130	5		30
1,2-Dichloropropane	105		100		70-130	5		30
Dibromochloromethane	97		95		70-130	2		30
1,1,2-Trichloroethane	100		97		70-130	3		30
Tetrachloroethene	134	Q	126		70-130	6		30
Chlorobenzene	113		109		70-130	4		30
Trichlorofluoromethane	107		84		70-139	24		30
1,2-Dichloroethane	111		106		70-130	5		30
1,1,1-Trichloroethane	133	Q	125		70-130	6		30
Bromodichloromethane	118		114		70-130	3		30
trans-1,3-Dichloropropene	108		104		70-130	4		30
cis-1,3-Dichloropropene	117		112		70-130	4		30
1,1-Dichloropropene	126		118		70-130	7		30
Bromoform	93		91		70-130	2		30
1,1,2,2-Tetrachloroethane	95		94		70-130	1		30
Benzene	115		110		70-130	4		30
Toluene	110		105		70-130	5		30
Ethylbenzene	109		105		70-130	4		30
Chloromethane	119		114		52-130	4		30
Bromomethane	111		106		57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

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: WG1447356-3 WG1447356-4								
Vinyl chloride	153	Q	142	Q	67-130	7		30
Chloroethane	137		132		50-151	4		30
1,1-Dichloroethene	130		123		65-135	6		30
trans-1,2-Dichloroethene	126		121		70-130	4		30
Trichloroethene	122		116		70-130	5		30
1,2-Dichlorobenzene	113		107		70-130	5		30
1,3-Dichlorobenzene	115		109		70-130	5		30
1,4-Dichlorobenzene	112		106		70-130	6		30
Methyl tert butyl ether	110		108		66-130	2		30
p/m-Xylene	116		111		70-130	4		30
o-Xylene	111		107		70-130	4		30
cis-1,2-Dichloroethene	115		111		70-130	4		30
Dibromomethane	107		103		70-130	4		30
Styrene	112		108		70-130	4		30
Dichlorodifluoromethane	162	Q	152	Q	30-146	6		30
Acetone	84		82		54-140	2		30
Carbon disulfide	124		115		59-130	8		30
2-Butanone	93		83		70-130	11		30
Vinyl acetate	97		94		70-130	3		30
4-Methyl-2-pentanone	90		91		70-130	1		30
1,2,3-Trichloropropane	89		88		68-130	1		30
2-Hexanone	88		86		70-130	2		30
Bromochloromethane	116		112		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

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: WG1447356-3 WG1447356-4								
2,2-Dichloropropane	125		118		70-130	6		30
1,2-Dibromoethane	105		104		70-130	1		30
1,3-Dichloropropane	99		97		69-130	2		30
1,1,1,2-Tetrachloroethane	121		115		70-130	5		30
Bromobenzene	114		108		70-130	5		30
n-Butylbenzene	105		99		70-130	6		30
sec-Butylbenzene	110		104		70-130	6		30
tert-Butylbenzene	114		106		70-130	7		30
o-Chlorotoluene	104		98		70-130	6		30
p-Chlorotoluene	105		100		70-130	5		30
1,2-Dibromo-3-chloropropane	94		91		68-130	3		30
Hexachlorobutadiene	133	Q	124		67-130	7		30
Isopropylbenzene	110		104		70-130	6		30
p-Isopropyltoluene	112		106		70-130	6		30
Naphthalene	101		98		70-130	3		30
Acrylonitrile	100		101		70-130	1		30
n-Propylbenzene	105		99		70-130	6		30
1,2,3-Trichlorobenzene	111		105		70-130	6		30
1,2,4-Trichlorobenzene	118		109		70-130	8		30
1,3,5-Trimethylbenzene	109		102		70-130	7		30
1,2,4-Trimethylbenzene	110		103		70-130	7		30
1,4-Dioxane	97		102		65-136	5		30
p-Diethylbenzene	116		108		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

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: WG1447356-3 WG1447356-4								
p-Ethyltoluene	113		106		70-130	6		30
1,2,4,5-Tetramethylbenzene	111		104		70-130	7		30
Ethyl ether	116		113		67-130	3		30
trans-1,4-Dichloro-2-butene	102		101		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	119		121		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	107		107		70-130
Dibromofluoromethane	117		119		70-130

SEMIVOLATILES

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

SAMPLE RESULTS

Lab ID: L2056385-01
 Client ID: SB-1 (0-2)
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/16/20 09:15
 Date Received: 12/16/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/20 09:39
 Analyst: SZ
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 12/19/20 18:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	120	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	2000		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	120	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

SAMPLE RESULTS

Lab ID: L2056385-01
 Client ID: SB-1 (0-2)
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/16/20 09:15
 Date Received: 12/16/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	1100		ug/kg	110	21.	1
Benzo(a)pyrene	1100		ug/kg	150	45.	1
Benzo(b)fluoranthene	1200		ug/kg	110	31.	1
Benzo(k)fluoranthene	450		ug/kg	110	29.	1
Chrysene	970		ug/kg	110	19.	1
Acenaphthylene	32	J	ug/kg	150	28.	1
Anthracene	440		ug/kg	110	36.	1
Benzo(ghi)perylene	560		ug/kg	150	22.	1
Fluorene	160	J	ug/kg	180	18.	1
Phenanthrene	1400		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	150		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	620		ug/kg	150	26.	1
Pyrene	1700		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	62	J	ug/kg	180	17.	1
2-Methylnaphthalene	43	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

SAMPLE RESULTS

Lab ID: L2056385-01
 Client ID: SB-1 (0-2)
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/16/20 09:15
 Date Received: 12/16/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	89	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	54		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

SAMPLE RESULTS

Lab ID: L2056385-02
Client ID: SB-2 (0-2)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/16/20 12:15
Date Received: 12/16/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/20/20 10:24
Analyst: SZ
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 12/19/20 18:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	62	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	1800		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

SAMPLE RESULTS

Lab ID: L2056385-02
 Client ID: SB-2 (0-2)
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/16/20 12:15
 Date Received: 12/16/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	800		ug/kg	110	21.	1
Benzo(a)pyrene	670		ug/kg	150	45.	1
Benzo(b)fluoranthene	800		ug/kg	110	31.	1
Benzo(k)fluoranthene	270		ug/kg	110	30.	1
Chrysene	700		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	340		ug/kg	110	36.	1
Benzo(ghi)perylene	380		ug/kg	150	22.	1
Fluorene	36	J	ug/kg	180	18.	1
Phenanthrene	1600		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	92	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	410		ug/kg	150	26.	1
Pyrene	1400		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	69	J	ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

SAMPLE RESULTS

Lab ID: L2056385-02
 Client ID: SB-2 (0-2)
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/16/20 12:15
 Date Received: 12/16/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	76	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	72		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/20/20 07:24
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 12/19/20 18:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1447243-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/20/20 07:24
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 12/19/20 18:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1447243-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
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.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 12/20/20 07:24
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 12/19/20 18:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1447243-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	90		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1447243-2 WG1447243-3								
Acenaphthene	68		70		31-137	3		50
1,2,4-Trichlorobenzene	72		78		38-107	8		50
Hexachlorobenzene	66		67		40-140	2		50
Bis(2-chloroethyl)ether	74		77		40-140	4		50
2-Chloronaphthalene	73		74		40-140	1		50
1,2-Dichlorobenzene	68		72		40-140	6		50
1,3-Dichlorobenzene	66		70		40-140	6		50
1,4-Dichlorobenzene	68		73		28-104	7		50
3,3'-Dichlorobenzidine	56		54		40-140	4		50
2,4-Dinitrotoluene	80		81		40-132	1		50
2,6-Dinitrotoluene	80		84		40-140	5		50
Fluoranthene	76		75		40-140	1		50
4-Chlorophenyl phenyl ether	69		72		40-140	4		50
4-Bromophenyl phenyl ether	68		70		40-140	3		50
Bis(2-chloroisopropyl)ether	71		75		40-140	5		50
Bis(2-chloroethoxy)methane	76		82		40-117	8		50
Hexachlorobutadiene	63		67		40-140	6		50
Hexachlorocyclopentadiene	62		68		40-140	9		50
Hexachloroethane	67		69		40-140	3		50
Isophorone	72		75		40-140	4		50
Naphthalene	69		72		40-140	4		50
Nitrobenzene	76		79		40-140	4		50
NDPA/DPA	71		73		36-157	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1447243-2 WG1447243-3								
n-Nitrosodi-n-propylamine	73		75		32-121	3		50
Bis(2-ethylhexyl)phthalate	84		90		40-140	7		50
Butyl benzyl phthalate	86		84		40-140	2		50
Di-n-butylphthalate	79		80		40-140	1		50
Di-n-octylphthalate	84		89		40-140	6		50
Diethyl phthalate	72		75		40-140	4		50
Dimethyl phthalate	75		78		40-140	4		50
Benzo(a)anthracene	72		76		40-140	5		50
Benzo(a)pyrene	81		83		40-140	2		50
Benzo(b)fluoranthene	75		78		40-140	4		50
Benzo(k)fluoranthene	72		74		40-140	3		50
Chrysene	72		76		40-140	5		50
Acenaphthylene	70		73		40-140	4		50
Anthracene	75		77		40-140	3		50
Benzo(ghi)perylene	72		74		40-140	3		50
Fluorene	73		74		40-140	1		50
Phenanthrene	76		77		40-140	1		50
Dibenzo(a,h)anthracene	74		74		40-140	0		50
Indeno(1,2,3-cd)pyrene	73		76		40-140	4		50
Pyrene	74		74		35-142	0		50
Biphenyl	78		78		37-127	0		50
4-Chloroaniline	62		62		40-140	0		50
2-Nitroaniline	80		85		47-134	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1447243-2 WG1447243-3								
3-Nitroaniline	58		53		26-129	9		50
4-Nitroaniline	74		73		41-125	1		50
Dibenzofuran	72		74		40-140	3		50
2-Methylnaphthalene	71		76		40-140	7		50
1,2,4,5-Tetrachlorobenzene	72		76		40-117	5		50
Acetophenone	79		84		14-144	6		50
2,4,6-Trichlorophenol	77		83		30-130	8		50
p-Chloro-m-cresol	77		81		26-103	5		50
2-Chlorophenol	79		84		25-102	6		50
2,4-Dichlorophenol	82		89		30-130	8		50
2,4-Dimethylphenol	80		85		30-130	6		50
2-Nitrophenol	82		91		30-130	10		50
4-Nitrophenol	87		88		11-114	1		50
2,4-Dinitrophenol	73		76		4-130	4		50
4,6-Dinitro-o-cresol	83		86		10-130	4		50
Pentachlorophenol	78		81		17-109	4		50
Phenol	79		82		26-90	4		50
2-Methylphenol	83		88		30-130.	6		50
3-Methylphenol/4-Methylphenol	88		92		30-130	4		50
2,4,5-Trichlorophenol	76		82		30-130	8		50
Benzoic Acid	65		70		10-110	7		50
Benzyl Alcohol	77		84		40-140	9		50
Carbazole	75		76		54-128	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1447243-2 WG1447243-3								
1,4-Dioxane	54		61		40-140	12		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		80		25-120
Phenol-d6	80		83		10-120
Nitrobenzene-d5	72		75		23-120
2-Fluorobiphenyl	72		76		30-120
2,4,6-Tribromophenol	70		74		10-136
4-Terphenyl-d14	77		76		18-120

METALS

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

SAMPLE RESULTS

Lab ID: L2056385-01
 Client ID: SB-1 (0-2)
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/16/20 09:15
 Date Received: 12/16/20
 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	8470		mg/kg	8.34	2.25	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Antimony, Total	1.59	J	mg/kg	4.17	0.317	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Arsenic, Total	4.42		mg/kg	0.834	0.174	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Barium, Total	87.3		mg/kg	0.834	0.145	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.417	0.028	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Cadmium, Total	0.592	J	mg/kg	0.834	0.082	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Calcium, Total	16300		mg/kg	8.34	2.92	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Chromium, Total	20.4		mg/kg	0.834	0.080	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Cobalt, Total	7.47		mg/kg	1.67	0.138	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Copper, Total	33.5		mg/kg	0.834	0.215	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Iron, Total	15200		mg/kg	4.17	0.754	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Lead, Total	92.3		mg/kg	4.17	0.224	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Magnesium, Total	8450		mg/kg	8.34	1.28	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Manganese, Total	276		mg/kg	0.834	0.133	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Mercury, Total	0.163		mg/kg	0.077	0.050	1	12/21/20 16:41	12/22/20 11:06	EPA 7471B	1,7471B	EW
Nickel, Total	14.6		mg/kg	2.09	0.202	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Potassium, Total	2050		mg/kg	209	12.0	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Selenium, Total	0.309	J	mg/kg	1.67	0.215	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.834	0.236	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Sodium, Total	232		mg/kg	167	2.63	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.67	0.263	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Vanadium, Total	27.2		mg/kg	0.834	0.169	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD
Zinc, Total	93.1		mg/kg	4.17	0.244	2	12/21/20 16:37	12/22/20 11:10	EPA 3050B	1,6010D	GD



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

SAMPLE RESULTS

Lab ID: L2056385-02
 Client ID: SB-2 (0-2)
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/16/20 12:15
 Date Received: 12/16/20
 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	8520		mg/kg	8.99	2.43	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Antimony, Total	1.20	J	mg/kg	4.49	0.342	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Arsenic, Total	9.11		mg/kg	0.899	0.187	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Barium, Total	58.3		mg/kg	0.899	0.156	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.449	0.030	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Cadmium, Total	0.449	J	mg/kg	0.899	0.088	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Calcium, Total	1980		mg/kg	8.99	3.14	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Chromium, Total	16.4		mg/kg	0.899	0.086	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Cobalt, Total	31.7		mg/kg	1.80	0.149	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Copper, Total	20.0		mg/kg	0.899	0.232	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Iron, Total	17200		mg/kg	4.49	0.812	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Lead, Total	10.8		mg/kg	4.49	0.241	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Magnesium, Total	2940		mg/kg	8.99	1.38	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Manganese, Total	259		mg/kg	0.899	0.143	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Mercury, Total	0.062	J	mg/kg	0.077	0.050	1	12/21/20 16:41	12/22/20 11:09	EPA 7471B	1,7471B	EW
Nickel, Total	18.1		mg/kg	2.25	0.218	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Potassium, Total	1240		mg/kg	225	12.9	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Selenium, Total	0.530	J	mg/kg	1.80	0.232	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.899	0.254	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Sodium, Total	226		mg/kg	180	2.83	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.80	0.283	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Vanadium, Total	22.6		mg/kg	0.899	0.182	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD
Zinc, Total	38.0		mg/kg	4.49	0.263	2	12/21/20 16:37	12/22/20 11:14	EPA 3050B	1,6010D	GD



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

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): 01-02 Batch: WG1447447-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Antimony, Total	ND		mg/kg	2.00	0.152	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Calcium, Total	ND		mg/kg	4.00	1.40	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Chromium, Total	0.120	J	mg/kg	0.400	0.038	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Copper, Total	0.116	J	mg/kg	0.400	0.103	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Iron, Total	0.572	J	mg/kg	2.00	0.361	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Manganese, Total	0.068	J	mg/kg	0.400	0.064	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Potassium, Total	ND		mg/kg	100	5.76	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Sodium, Total	1.38	J	mg/kg	80.0	1.26	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/21/20 16:37	12/22/20 10:11	1,6010D	GD

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): 01-02 Batch: WG1447448-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	12/21/20 16:41	12/22/20 10:26	1,7471B	EW



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1447447-2 SRM Lot Number: D109-540								
Aluminum, Total	70		-		50-150	-		
Antimony, Total	177		-		19-250	-		
Arsenic, Total	106		-		70-130	-		
Barium, Total	99		-		75-125	-		
Beryllium, Total	109		-		75-125	-		
Cadmium, Total	112		-		75-125	-		
Calcium, Total	96		-		73-128	-		
Chromium, Total	106		-		70-130	-		
Cobalt, Total	112		-		75-125	-		
Copper, Total	102		-		75-125	-		
Iron, Total	100		-		35-165	-		
Lead, Total	101		-		72-128	-		
Magnesium, Total	89		-		62-138	-		
Manganese, Total	99		-		74-126	-		
Nickel, Total	112		-		70-130	-		
Potassium, Total	84		-		59-141	-		
Selenium, Total	106		-		68-132	-		
Silver, Total	99		-		68-131	-		
Sodium, Total	101		-		35-165	-		
Thallium, Total	108		-		68-131	-		
Vanadium, Total	97		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1447447-2 SRM Lot Number: D109-540					
Zinc, Total	106	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1447448-2 SRM Lot Number: D109-540					
Mercury, Total	103	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

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): 01-02 QC Batch ID: WG1447447-3 QC Sample: L2056369-01 Client ID: MS Sample												
Aluminum, Total	2060	171	2310	146	Q	-	-		75-125	-		20
Antimony, Total	0.505J	42.8	38.8	91		-	-		75-125	-		20
Arsenic, Total	1.03	10.3	10.7	94		-	-		75-125	-		20
Barium, Total	8.16	171	162	90		-	-		75-125	-		20
Beryllium, Total	0.021J	4.28	3.94	92		-	-		75-125	-		20
Cadmium, Total	0.171J	4.36	4.10	94		-	-		75-125	-		20
Calcium, Total	682	856	1380	82		-	-		75-125	-		20
Chromium, Total	3.58	17.1	18.7	88		-	-		75-125	-		20
Cobalt, Total	1.40	42.8	38.6	87		-	-		75-125	-		20
Copper, Total	4.58	21.4	23.8	90		-	-		75-125	-		20
Iron, Total	4700	85.6	4650	0	Q	-	-		75-125	-		20
Lead, Total	17.5	43.6	49.0	72	Q	-	-		75-125	-		20
Magnesium, Total	685	856	1500	95		-	-		75-125	-		20
Manganese, Total	62.0	42.8	91.8	70	Q	-	-		75-125	-		20
Nickel, Total	2.87	42.8	38.9	84		-	-		75-125	-		20
Potassium, Total	181	856	932	88		-	-		75-125	-		20
Selenium, Total	0.115J	10.3	9.54	93		-	-		75-125	-		20
Silver, Total	ND	25.7	23.7	92		-	-		75-125	-		20
Sodium, Total	17.6J	856	817	95		-	-		75-125	-		20
Thallium, Total	ND	10.3	8.85	86		-	-		75-125	-		20
Vanadium, Total	5.21	42.8	42.4	87		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

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): 01-02 QC Batch ID: WG1447447-3 QC Sample: L2056369-01 Client ID: MS Sample									
Zinc, Total	26.8	42.8	63.4	86	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1447448-3 QC Sample: L2056474-01 Client ID: MS Sample									
Mercury, Total	ND	0.166	0.164	99	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1447447-4 QC Sample: L2056369-01 Client ID: DUP Sample						
Arsenic, Total	1.03	1.04	mg/kg	1		20
Barium, Total	8.16	7.45	mg/kg	9		20
Cadmium, Total	0.171J	0.163J	mg/kg	NC		20
Chromium, Total	3.58	3.50	mg/kg	2		20
Lead, Total	17.5	10.8	mg/kg	47	Q	20
Selenium, Total	0.115J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1447448-4 QC Sample: L2056474-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

INORGANICS & MISCELLANEOUS

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

SAMPLE RESULTS

Lab ID: L2056385-01
Client ID: SB-1 (0-2)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/16/20 09:15
Date Received: 12/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.5		%	0.100	NA	1	-	12/17/20 17:43	121,2540G	TR



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

SAMPLE RESULTS

Lab ID: L2056385-02
Client ID: SB-2 (0-2)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/16/20 12:15
Date Received: 12/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.3		%	0.100	NA	1	-	12/17/20 17:43	121,2540G	TR



Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1446398-1 QC Sample: L2056305-01 Client ID: DUP Sample						
Solids, Total	86.1	80.8	%	6		20

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

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(*)
L2056385-01A	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2056385-01B	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2056385-01C	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2056385-01D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2056385-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2056385-01F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L2056385-01X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2056385-01Y	Vial Water preserved split	A	NA		3.6	Y	Absent	17-DEC-20 22:29	NYTCL-8260HLW(14)
L2056385-01Z	Vial Water preserved split	A	NA		3.6	Y	Absent	17-DEC-20 22:29	NYTCL-8260HLW(14)
L2056385-02A	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2056385-02B	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2056385-02C	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2056385-02D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2056385-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	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),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),SE-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),K-TI(180),NA-TI(180)
L2056385-02F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L2056385-02X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2056385-02Y	Vial Water preserved split	A	NA		3.6	Y	Absent	17-DEC-20 22:29	NYTCL-8260HLW(14)
L2056385-02Z	Vial Water preserved split	A	NA		3.6	Y	Absent	17-DEC-20 22:29	NYTCL-8260HLW(14)

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Serial_No:12222016:21
Lab Number: L2056385
Report Date: 12/22/20

Container Information

Container ID **Container Type**

Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
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Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

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.

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- 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 Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

Data Qualifiers

- 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.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056385
Report Date: 12/22/20

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

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

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

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

Mansfield Facility

SM 2540D: TSS

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

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

EPA TO-12 Non-methane organics

EPA 3C Fixed 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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

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

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

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

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

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

Mansfield Facility:

Drinking Water

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

EPA 522.

Non-Potable Water


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

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

EPA 245.1 Hg.

SM2340B

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

 <p>NEW YORK CHAIN OF CUSTODY</p> <p>Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193</p> <p>Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288</p>	<p>Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105</p>	Page	Date Rec'd in Lab	ALPHA Job #																																											
		1 of 1	12/17/20	L256355																																											
<p>Project Information</p> <p>Project Name: <u>Mt. Vernon</u> Project Location: <u>115 S. Marquesten Pkwy, Mt Vernon, NY</u> Project # <u>2908.00084000</u> (Use Project name as Project #) <input type="checkbox"/></p>		<p>Deliverables</p> <p><input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input checked="" type="checkbox"/> Other Category B data deliverable</p>		<p>Billing Information</p> <p><input checked="" type="checkbox"/> Same as Client Info PO #</p>																																											
<p>Client Information</p> <p>Client: <u>Rwx Env. Eng. Mfg. DPC</u> Address: <u>209 Shaffer Street, Islandia, NY 11749</u> Phone: <u>(631) 630-2372</u> Fax: <u></u> Email: <u>rlombi@rwxinc.com</u></p>		<p>Regulatory Requirement</p> <p><input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge</p>		<p>Disposal Site Information</p> <p>Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:</p>																																											
<p>These samples have been previously analyzed by Alpha <input type="checkbox"/></p> <p>Other project specific requirements/comments:</p> <p>Please specify Metals or <u>TAL</u>.</p>		<p>ANALYSIS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">VOCs (8260) + TS</td> <td style="text-align: center;">SVOCs (8270)</td> <td style="text-align: center;">TAL Metals and Mercury</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																VOCs (8260) + TS	SVOCs (8270)	TAL Metals and Mercury									X	X	X									X	X	X					<p>Sample Filtration</p> <p><input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do</p> <p>(Please Specify below)</p>
				VOCs (8260) + TS	SVOCs (8270)	TAL Metals and Mercury																																									
				X	X	X																																									
				X	X	X																																									
<p>ALPHA Lab ID (Lab Use Only)</p>		<p>Sample ID</p>		<p>Collection</p> <p>Date Time</p>		<p>Sample Matrix</p>	<p>Sampler's Initials</p>	<p>Sample Specific Comments</p>			Total Bottle																																				
56355-01		SB-1(0-2)		12/16/2020	0915	SO	MN	X	X	X		6																																			
-02		SB-2(0-2)		12/16/2020	1215	SO	MN	X	X	X		6																																			
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type		E/P A A			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.)																																				
						Preservative		A A A																																							
		Relinquished By:		Date/Time		Received By:		Date/Time																																							
		<u>Maura Norton</u>		12/16/2020 @ 1220		<u>Rwx Env</u>		12/16/20 1220																																							
		<u>[Signature]</u>		12/16/20 1220		<u>[Signature]</u>		12/16/20 1220																																							
		<u>[Signature]</u>		12/17/20 0415		<u>[Signature]</u>		12/17/20 0415																																							



ANALYTICAL REPORT

Lab Number:	L2056922
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Ronald Lombino
Phone:	(631) 630-2372
Project Name:	MT. VERNON
Project Number:	2908.0008Y000
Report Date:	12/30/20

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

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



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2056922-01	TW-3	WATER	115 S. MACQUESTEN PKWY, MT. VERNON, NY	12/18/20 09:20	12/18/20
L2056922-02	SB-3(24.5-25)	SOIL	115 S. MACQUESTEN PKWY, MT. VERNON, NY	12/18/20 09:25	12/18/20
L2056922-03	SB-4(10-10.5)	SOIL	115 S. MACQUESTEN PKWY, MT. VERNON, NY	12/18/20 10:50	12/18/20
L2056922-04	SB-2(15.5-16)	SOIL	115 S. MACQUESTEN PKWY, MT. VERNON, NY	12/18/20 13:40	12/18/20
L2056922-05	SB-1A(0-2)	SOIL	115 S. MACQUESTEN PKWY, MT. VERNON, NY	12/18/20 14:30	12/18/20
L2056922-06	SB-1A(14.5-15)	SOIL	115 S. MACQUESTEN PKWY, MT. VERNON, NY	12/18/20 15:10	12/18/20
L2056922-07	TW-1	WATER	115 S. MACQUESTEN PKWY, MT. VERNON, NY	12/18/20 15:30	12/18/20

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Case Narrative

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

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

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

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

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

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

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Case Narrative (continued)

Report Revision

December 30, 2020: The Total Mercury data has been corrected on L2056922-05.

Report Submission

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

Semivolatile Organics

The WG1449478-3 LCSD recovery, associated with L2056922-02 and -05, is below the acceptance criteria for 4,6-dinitro-o-cresol (8%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

L2056922-01 and -07: The sample has elevated detection limits for all elements, with the exception of mercury, due to the prep dilution required by the sample matrix.

L2056922-01 and -07: The sample has an elevated detection limit for calcium due to the dilution required by matrix interferences encountered during analysis.

L2056922-02 and -05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Dissolved Metals

The WG1448738-3 MS recoveries for calcium (70%) and sodium (50%), performed on L2056922-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1448738-4 Laboratory Duplicate RPD for iron (37%), performed on L2056922-01, is above the acceptance criteria; however, the sample and duplicate results are less than five times the reporting limit.

Therefore, the RPD is valid.

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

Authorized Signature:

Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative

Date: 12/30/20

ORGANICS

VOLATILES

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-01
 Client ID: TW-3
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 09:20
 Date Received: 12/18/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 12/22/20 18:34
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.1		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.27	J	ug/l	0.50	0.16	1
Toluene	1.6	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-01
Client ID: TW-3
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 09:20
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	2.5		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-01
Client ID: TW-3
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 09:20
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	96		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-02
 Client ID: SB-3(24.5-25)
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 09:25
 Date Received: 12/18/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/21/20 13:49
 Analyst: KJD
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-02
Client ID: SB-3(24.5-25)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 09:25
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.66	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-02
 Client ID: SB-3(24.5-25)
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 09:25
 Date Received: 12/18/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	81	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	115		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	110		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-05
Client ID: SB-1A(0-2)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 14:30
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/21/20 14:28
Analyst: KJD
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	0.92		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-05
Client ID: SB-1A(0-2)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 14:30
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.42	J	ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.66	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-05
Client ID: SB-1A(0-2)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 14:30
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	82	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	120		70-130
4-Bromofluorobenzene	124		70-130
Dibromofluoromethane	109		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-06
Client ID: SB-1A(14.5-15)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 15:10
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/21/20 15:08
Analyst: KJD
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.93	0.50	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-06
Client ID: SB-1A(14.5-15)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 15:10
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.19	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	ND		ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.0	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.93	0.15	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.18	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-06
Client ID: SB-1A(14.5-15)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 15:10
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
1,4-Dioxane	ND		ug/kg	74	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.18	1
Ethyl ether	ND		ug/kg	1.8	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	116		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	109		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-07
Client ID: TW-1
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 15:30
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/22/20 18:57
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.62		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.17	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	0.70	J	ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-07
Client ID: TW-1
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 15:30
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.54		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-07
Client ID: TW-1
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 15:30
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	96		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/21/20 07:15
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,05-06 Batch: WG1447928-5					
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
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-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

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/21/20 07:15
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,05-06 Batch: WG1447928-5					
1,2-Dichlorobenzene	0.14	J	ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
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
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
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
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/21/20 07:15
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,05-06 Batch: WG1447928-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	0.20	J	ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	0.76	J	ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.65	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.47	J	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
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	109		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/22/20 11:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,07 Batch: WG1448494-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	1.2	J	ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/22/20 11:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,07 Batch: WG1448494-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 12/22/20 11:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,07 Batch: WG1448494-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,05-06 Batch: WG1447928-3 WG1447928-4								
Methylene chloride	92		92		70-130	0		30
1,1-Dichloroethane	100		98		70-130	2		30
Chloroform	92		91		70-130	1		30
Carbon tetrachloride	87		85		70-130	2		30
1,2-Dichloropropane	101		101		70-130	0		30
Dibromochloromethane	97		98		70-130	1		30
1,1,2-Trichloroethane	99		101		70-130	2		30
Tetrachloroethene	89		87		70-130	2		30
Chlorobenzene	94		93		70-130	1		30
Trichlorofluoromethane	93		90		70-139	3		30
1,2-Dichloroethane	97		98		70-130	1		30
1,1,1-Trichloroethane	88		86		70-130	2		30
Bromodichloromethane	93		94		70-130	1		30
trans-1,3-Dichloropropene	102		103		70-130	1		30
cis-1,3-Dichloropropene	98		99		70-130	1		30
1,1-Dichloropropene	93		91		70-130	2		30
Bromoform	93		98		70-130	5		30
1,1,2,2-Tetrachloroethane	104		107		70-130	3		30
Benzene	95		93		70-130	2		30
Toluene	95		93		70-130	2		30
Ethylbenzene	95		93		70-130	2		30
Chloromethane	109		103		52-130	6		30
Bromomethane	92		92		57-147	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,05-06 Batch: WG1447928-3 WG1447928-4								
Vinyl chloride	104		101		67-130	3		30
Chloroethane	109		106		50-151	3		30
1,1-Dichloroethene	92		90		65-135	2		30
trans-1,2-Dichloroethene	94		92		70-130	2		30
Trichloroethene	90		89		70-130	1		30
1,2-Dichlorobenzene	96		96		70-130	0		30
1,3-Dichlorobenzene	98		96		70-130	2		30
1,4-Dichlorobenzene	98		97		70-130	1		30
Methyl tert butyl ether	98		100		66-130	2		30
p/m-Xylene	95		93		70-130	2		30
o-Xylene	95		94		70-130	1		30
cis-1,2-Dichloroethene	93		92		70-130	1		30
Dibromomethane	95		96		70-130	1		30
Styrene	97		96		70-130	1		30
Dichlorodifluoromethane	89		86		30-146	3		30
Acetone	116		124		54-140	7		30
Carbon disulfide	96		93		59-130	3		30
2-Butanone	112		119		70-130	6		30
Vinyl acetate	120		126		70-130	5		30
4-Methyl-2-pentanone	111		120		70-130	8		30
1,2,3-Trichloropropane	101		104		68-130	3		30
2-Hexanone	114		122		70-130	7		30
Bromochloromethane	97		97		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits	Qual		Limits	
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,05-06 Batch: WG1447928-3 WG1447928-4									
2,2-Dichloropropane	92		90		70-130		2		30
1,2-Dibromoethane	96		97		70-130		1		30
1,3-Dichloropropane	100		102		69-130		2		30
1,1,1,2-Tetrachloroethane	97		96		70-130		1		30
Bromobenzene	97		96		70-130		1		30
n-Butylbenzene	96		94		70-130		2		30
sec-Butylbenzene	96		93		70-130		3		30
tert-Butylbenzene	95		92		70-130		3		30
o-Chlorotoluene	95		94		70-130		1		30
p-Chlorotoluene	98		96		70-130		2		30
1,2-Dibromo-3-chloropropane	93		98		68-130		5		30
Hexachlorobutadiene	96		93		67-130		3		30
Isopropylbenzene	96		94		70-130		2		30
p-Isopropyltoluene	96		94		70-130		2		30
Naphthalene	105		108		70-130		3		30
Acrylonitrile	121		126		70-130		4		30
n-Propylbenzene	98		96		70-130		2		30
1,2,3-Trichlorobenzene	101		102		70-130		1		30
1,2,4-Trichlorobenzene	103		103		70-130		0		30
1,3,5-Trimethylbenzene	94		93		70-130		1		30
1,2,4-Trimethylbenzene	96		94		70-130		2		30
1,4-Dioxane	100		106		65-136		6		30
p-Diethylbenzene	96		94		70-130		2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,05-06 Batch: WG1447928-3 WG1447928-4								
p-Ethyltoluene	98		96		70-130	2		30
1,2,4,5-Tetramethylbenzene	103		102		70-130	1		30
Ethyl ether	107		109		67-130	2		30
trans-1,4-Dichloro-2-butene	119		123		70-130	3		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	113		117		70-130
Toluene-d8	112		112		70-130
4-Bromofluorobenzene	112		112		70-130
Dibromofluoromethane	107		108		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07 Batch: WG1448494-3 WG1448494-4								
Methylene chloride	94		96		70-130	2		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	98		100		70-130	2		20
Dibromochloromethane	91		94		63-130	3		20
1,1,2-Trichloroethane	94		96		70-130	2		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	98		100		62-150	2		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	96		100		67-130	4		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	95		96		70-130	1		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	85		89		54-136	5		20
1,1,1,2-Tetrachloroethane	94		96		67-130	2		20
Benzene	95		97		70-130	2		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	73		72		64-130	1		20
Bromomethane	120		100		39-139	18		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07 Batch: WG1448494-3 WG1448494-4								
Vinyl chloride	81		83		55-140	2		20
Chloroethane	87		88		55-138	1		20
1,1-Dichloroethene	91		94		61-145	3		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	97		100		70-130	3		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	92		94		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	91		94		70-130	3		20
Dibromomethane	92		92		70-130	0		20
1,2,3-Trichloropropane	95		96		64-130	1		20
Acrylonitrile	93		91		70-130	2		20
Styrene	90		95		70-130	5		20
Dichlorodifluoromethane	74		75		36-147	1		20
Acetone	86		88		58-148	2		20
Carbon disulfide	93		93		51-130	0		20
2-Butanone	90		86		63-138	5		20
Vinyl acetate	100		100		70-130	0		20
4-Methyl-2-pentanone	79		80		59-130	1		20
2-Hexanone	87		88		57-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07 Batch: WG1448494-3 WG1448494-4								
Bromochloromethane	95		96		70-130	1		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	90		92		70-130	2		20
1,3-Dichloropropane	97		98		70-130	1		20
1,1,1,2-Tetrachloroethane	95		97		64-130	2		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	100		110		70-130	10		20
tert-Butylbenzene	100		110		70-130	10		20
o-Chlorotoluene	110		120		70-130	9		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	68		72		41-144	6		20
Hexachlorobutadiene	110		120		63-130	9		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	100		110		70-130	10		20
Naphthalene	82		90		70-130	9		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	84		93		70-130	10		20
1,2,4-Trichlorobenzene	96		99		70-130	3		20
1,3,5-Trimethylbenzene	100		110		64-130	10		20
1,2,4-Trimethylbenzene	100		110		70-130	10		20
1,4-Dioxane	84		88		56-162	5		20
p-Diethylbenzene	100		110		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07 Batch: WG1448494-3 WG1448494-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	100		110		70-130	10		20
Ethyl ether	96		95		59-134	1		20
trans-1,4-Dichloro-2-butene	97		97		70-130	0		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	107		105		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	110		111		70-130
Dibromofluoromethane	97		97		70-130

SEMIVOLATILES

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-01
Client ID: TW-3
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 09:20
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/20 03:58
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/23/20 04:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	0.77	J	ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-01
Client ID: TW-3
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 09:20
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	10.	J	ug/l	50	2.6	1
Benzyl Alcohol	0.69	J	ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	78		41-149

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-01
 Client ID: TW-3
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 09:20
 Date Received: 12/18/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 12/24/20 01:25
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 12/23/20 04:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.04	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.15		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.13		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.08	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.06	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.07	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Chrysene	0.06	J	ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.03	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.04	J	ug/l	0.10	0.01	1
Fluorene	0.14		ug/l	0.10	0.01	1
Phenanthrene	0.15		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.04	J	ug/l	0.10	0.01	1
Pyrene	0.14		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.29		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-01
 Client ID: TW-3
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 09:20
 Date Received: 12/18/20
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	72		41-149

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-02
 Client ID: SB-3(24.5-25)
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 09:25
 Date Received: 12/18/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/27/20 09:21
 Analyst: ALS
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 12/23/20 01:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-02
Client ID: SB-3(24.5-25)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 09:25
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-02
 Client ID: SB-3(24.5-25)
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 09:25
 Date Received: 12/18/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	60		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-05
 Client ID: SB-1A(0-2)
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 14:30
 Date Received: 12/18/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/27/20 05:56
 Analyst: EK
 Percent Solids: 76%

Extraction Method: EPA 3546
 Extraction Date: 12/25/20 09:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	39.	1
1,3-Dichlorobenzene	ND		ug/kg	220	37.	1
1,4-Dichlorobenzene	ND		ug/kg	220	38.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	970		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	200	28.	1
Naphthalene	34	J	ug/kg	220	26.	1
Nitrobenzene	ND		ug/kg	200	32.	1
NDPA/DPA	ND		ug/kg	170	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	75.	1
Butyl benzyl phthalate	ND		ug/kg	220	55.	1
Di-n-butylphthalate	ND		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	74.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-05
Client ID: SB-1A(0-2)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 14:30
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	550		ug/kg	130	24.	1
Benzo(a)pyrene	560		ug/kg	170	53.	1
Benzo(b)fluoranthene	670		ug/kg	130	37.	1
Benzo(k)fluoranthene	240		ug/kg	130	35.	1
Chrysene	570		ug/kg	130	23.	1
Acenaphthylene	37	J	ug/kg	170	34.	1
Anthracene	110	J	ug/kg	130	42.	1
Benzo(ghi)perylene	400		ug/kg	170	26.	1
Fluorene	24	J	ug/kg	220	21.	1
Phenanthrene	430		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	100	J	ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	380		ug/kg	170	30.	1
Pyrene	1000		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	500	50.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	90.	1
Dibenzofuran	26	J	ug/kg	220	20.	1
2-Methylnaphthalene	27	J	ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	72.	1
2-Nitrophenol	ND		ug/kg	470	82.	1
4-Nitrophenol	ND		ug/kg	300	89.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	100	1
Pentachlorophenol	ND		ug/kg	170	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-05
 Client ID: SB-1A(0-2)
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 14:30
 Date Received: 12/18/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Benzoic Acid	ND		ug/kg	700	220	1
Benzyl Alcohol	ND		ug/kg	220	67.	1
Carbazole	46	J	ug/kg	220	21.	1
1,4-Dioxane	ND		ug/kg	33	10.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	59		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-07
Client ID: TW-1
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 15:30
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/24/20 04:22
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/23/20 04:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-07
Client ID: TW-1
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 15:30
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	8.6	J	ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	83		41-149

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-07
 Client ID: TW-1
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 15:30
 Date Received: 12/18/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 12/24/20 01:46
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 12/23/20 04:42

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

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-07
 Client ID: TW-1
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 15:30
 Date Received: 12/18/20
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		21-120
Phenol-d6	66		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	80		41-149

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/24/20 00:23
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/23/20 04:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01,07 Batch: WG1448459-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	0.10	J	ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/24/20 00:23
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/23/20 04:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01,07 Batch: WG1448459-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	66		41-149

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/24/20 00:46
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/23/20 04:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,07 Batch: WG1448460-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/24/20 00:46
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/23/20 04:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,07 Batch: WG1448460-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/24/20 00:46
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/23/20 04:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,07 Batch: WG1448460-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	70		41-149

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/28/20 14:38
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 12/22/20 05:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,05 Batch: WG1449478-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/28/20 14:38
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 12/22/20 05:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,05 Batch: WG1449478-1					
Dimethyl phthalate	ND		ug/kg	160	34.
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.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 12/28/20 14:38
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 12/22/20 05:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,05 Batch: WG1449478-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	101		25-120
Phenol-d6	99		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	103		30-120
2,4,6-Tribromophenol	118		10-136
4-Terphenyl-d14	117		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01,07 Batch: WG1448459-2 WG1448459-3								
Acenaphthene	77		84		40-140	9		40
2-Chloronaphthalene	76		84		40-140	10		40
Fluoranthene	88		95		40-140	8		40
Hexachlorobutadiene	60		67		40-140	11		40
Naphthalene	77		86		40-140	11		40
Benzo(a)anthracene	93		102		40-140	9		40
Benzo(a)pyrene	111		118		40-140	6		40
Benzo(b)fluoranthene	98		101		40-140	3		40
Benzo(k)fluoranthene	95		103		40-140	8		40
Chrysene	88		94		40-140	7		40
Acenaphthylene	78		86		40-140	10		40
Anthracene	90		97		40-140	7		40
Benzo(ghi)perylene	96		102		40-140	6		40
Fluorene	81		88		40-140	8		40
Phenanthrene	87		94		40-140	8		40
Dibenzo(a,h)anthracene	98		105		40-140	7		40
Indeno(1,2,3-cd)pyrene	98		103		40-140	5		40
Pyrene	87		94		40-140	8		40
2-Methylnaphthalene	78		86		40-140	10		40
Pentachlorophenol	114		119		40-140	4		40
Hexachlorobenzene	79		86		40-140	8		40
Hexachloroethane	69		78		40-140	12		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01,07 Batch: WG1448459-2 WG1448459-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	71		80		21-120
Phenol-d6	59		67		10-120
Nitrobenzene-d5	93		104		23-120
2-Fluorobiphenyl	65		73		15-120
2,4,6-Tribromophenol	82		88		10-120
4-Terphenyl-d14	72		77		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07 Batch: WG1448460-2 WG1448460-3								
Acenaphthene	79		81		37-111	3		30
1,2,4-Trichlorobenzene	74		78		39-98	5		30
Hexachlorobenzene	82		82		40-140	0		30
Bis(2-chloroethyl)ether	74		78		40-140	5		30
2-Chloronaphthalene	80		83		40-140	4		30
1,2-Dichlorobenzene	70		74		40-140	6		30
1,3-Dichlorobenzene	70		73		40-140	4		30
1,4-Dichlorobenzene	71		74		36-97	4		30
3,3'-Dichlorobenzidine	77		77		40-140	0		30
2,4-Dinitrotoluene	88		92		48-143	4		30
2,6-Dinitrotoluene	92		94		40-140	2		30
Fluoranthene	83		87		40-140	5		30
4-Chlorophenyl phenyl ether	79		80		40-140	1		30
4-Bromophenyl phenyl ether	81		83		40-140	2		30
Bis(2-chloroisopropyl)ether	72		76		40-140	5		30
Bis(2-chloroethoxy)methane	76		82		40-140	8		30
Hexachlorobutadiene	74		79		40-140	7		30
Hexachlorocyclopentadiene	80		85		40-140	6		30
Hexachloroethane	69		72		40-140	4		30
Isophorone	77		82		40-140	6		30
Naphthalene	77		79		40-140	3		30
Nitrobenzene	84		87		40-140	4		30
NDPA/DPA	83		85		40-140	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07 Batch: WG1448460-2 WG1448460-3								
n-Nitrosodi-n-propylamine	78		81		29-132	4		30
Bis(2-ethylhexyl)phthalate	86		91		40-140	6		30
Butyl benzyl phthalate	93		99		40-140	6		30
Di-n-butylphthalate	80		86		40-140	7		30
Di-n-octylphthalate	90		95		40-140	5		30
Diethyl phthalate	81		85		40-140	5		30
Dimethyl phthalate	88		91		40-140	3		30
Benzo(a)anthracene	87		87		40-140	0		30
Benzo(a)pyrene	88		92		40-140	4		30
Benzo(b)fluoranthene	85		88		40-140	3		30
Benzo(k)fluoranthene	89		94		40-140	5		30
Chrysene	78		84		40-140	7		30
Acenaphthylene	94		97		45-123	3		30
Anthracene	83		85		40-140	2		30
Benzo(ghi)perylene	80		83		40-140	4		30
Fluorene	80		83		40-140	4		30
Phenanthrene	80		83		40-140	4		30
Dibenzo(a,h)anthracene	80		84		40-140	5		30
Indeno(1,2,3-cd)pyrene	83		85		40-140	2		30
Pyrene	82		85		26-127	4		30
Biphenyl	83		87		40-140	5		30
4-Chloroaniline	72		74		40-140	3		30
2-Nitroaniline	96		99		52-143	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07 Batch: WG1448460-2 WG1448460-3								
3-Nitroaniline	81		82		25-145	1		30
4-Nitroaniline	85		88		51-143	3		30
Dibenzofuran	78		80		40-140	3		30
2-Methylnaphthalene	78		84		40-140	7		30
1,2,4,5-Tetrachlorobenzene	84		87		2-134	4		30
Acetophenone	78		80		39-129	3		30
2,4,6-Trichlorophenol	95		97		30-130	2		30
p-Chloro-m-cresol	90		95		23-97	5		30
2-Chlorophenol	82		86		27-123	5		30
2,4-Dichlorophenol	91		92		30-130	1		30
2,4-Dimethylphenol	83		82		30-130	1		30
2-Nitrophenol	106		111		30-130	5		30
4-Nitrophenol	77		80		10-80	4		30
2,4-Dinitrophenol	110		113		20-130	3		30
4,6-Dinitro-o-cresol	103		108		20-164	5		30
Pentachlorophenol	93		92		9-103	1		30
Phenol	59		61		12-110	3		30
2-Methylphenol	78		80		30-130	3		30
3-Methylphenol/4-Methylphenol	85		86		30-130	1		30
2,4,5-Trichlorophenol	92		100		30-130	8		30
Benzoic Acid	76		74		10-164	3		30
Benzyl Alcohol	76		80		26-116	5		30
Carbazole	86		90		55-144	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07 Batch: WG1448460-2 WG1448460-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	68		71		21-120
Phenol-d6	57		59		10-120
Nitrobenzene-d5	82		88		23-120
2-Fluorobiphenyl	78		81		15-120
2,4,6-Tribromophenol	121	Q	124	Q	10-120
4-Terphenyl-d14	83		86		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05 Batch: WG1449478-2 WG1449478-3								
Acenaphthene	82		87		31-137	6		50
1,2,4-Trichlorobenzene	92		92		38-107	0		50
Hexachlorobenzene	82		84		40-140	2		50
Bis(2-chloroethyl)ether	83		85		40-140	2		50
2-Chloronaphthalene	87		90		40-140	3		50
1,2-Dichlorobenzene	82		82		40-140	0		50
1,3-Dichlorobenzene	78		79		40-140	1		50
1,4-Dichlorobenzene	80		80		28-104	0		50
3,3'-Dichlorobenzidine	73		81		40-140	10		50
2,4-Dinitrotoluene	69		73		40-132	6		50
2,6-Dinitrotoluene	76		79		40-140	4		50
Fluoranthene	87		90		40-140	3		50
4-Chlorophenyl phenyl ether	82		84		40-140	2		50
4-Bromophenyl phenyl ether	83		85		40-140	2		50
Bis(2-chloroisopropyl)ether	78		81		40-140	4		50
Bis(2-chloroethoxy)methane	87		90		40-117	3		50
Hexachlorobutadiene	76		76		40-140	0		50
Hexachlorocyclopentadiene	23	Q	19	Q	40-140	19		50
Hexachloroethane	66		62		40-140	6		50
Isophorone	88		91		40-140	3		50
Naphthalene	79		80		40-140	1		50
Nitrobenzene	91		90		40-140	1		50
NDPA/DPA	83		87		36-157	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05 Batch: WG1449478-2 WG1449478-3								
n-Nitrosodi-n-propylamine	87		90		32-121	3		50
Bis(2-ethylhexyl)phthalate	100		104		40-140	4		50
Butyl benzyl phthalate	94		97		40-140	3		50
Di-n-butylphthalate	88		93		40-140	6		50
Di-n-octylphthalate	98		104		40-140	6		50
Diethyl phthalate	80		84		40-140	5		50
Dimethyl phthalate	84		88		40-140	5		50
Benzo(a)anthracene	84		88		40-140	5		50
Benzo(a)pyrene	84		88		40-140	5		50
Benzo(b)fluoranthene	81		86		40-140	6		50
Benzo(k)fluoranthene	80		84		40-140	5		50
Chrysene	85		89		40-140	5		50
Acenaphthylene	88		89		40-140	1		50
Anthracene	87		90		40-140	3		50
Benzo(ghi)perylene	81		85		40-140	5		50
Fluorene	85		88		40-140	3		50
Phenanthrene	87		91		40-140	4		50
Dibenzo(a,h)anthracene	82		86		40-140	5		50
Indeno(1,2,3-cd)pyrene	84		90		40-140	7		50
Pyrene	85		88		35-142	3		50
Biphenyl	91		94		37-127	3		50
4-Chloroaniline	51		62		40-140	19		50
2-Nitroaniline	102		107		47-134	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05 Batch: WG1449478-2 WG1449478-3								
3-Nitroaniline	101		105		26-129	4		50
4-Nitroaniline	100		106		41-125	6		50
Dibenzofuran	85		88		40-140	3		50
2-Methylnaphthalene	84		84		40-140	0		50
1,2,4,5-Tetrachlorobenzene	88		89		40-117	1		50
Acetophenone	96		97		14-144	1		50
2,4,6-Trichlorophenol	98		102		30-130	4		50
p-Chloro-m-cresol	92		97		26-103	5		50
2-Chlorophenol	96		97		25-102	1		50
2,4-Dichlorophenol	105		108		30-130	3		50
2,4-Dimethylphenol	98		99		30-130	1		50
2-Nitrophenol	64		61		30-130	5		50
4-Nitrophenol	86		87		11-114	1		50
2,4-Dinitrophenol	7		5		4-130	32		50
4,6-Dinitro-o-cresol	10		8	Q	10-130	17		50
Pentachlorophenol	94		93		17-109	1		50
Phenol	90		92	Q	26-90	2		50
2-Methylphenol	98		100		30-130.	2		50
3-Methylphenol/4-Methylphenol	107		111		30-130	4		50
2,4,5-Trichlorophenol	99		101		30-130	2		50
Benzoic Acid	105		103		10-110	2		50
Benzyl Alcohol	90		95		40-140	5		50
Carbazole	88		91		54-128	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05 Batch: WG1449478-2 WG1449478-3								
1,4-Dioxane	52		53		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	95		95		25-120
Phenol-d6	98		99		10-120
Nitrobenzene-d5	91		91		23-120
2-Fluorobiphenyl	87		90		30-120
2,4,6-Tribromophenol	99		98		10-136
4-Terphenyl-d14	91		94		18-120

METALS

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-01
 Client ID: TW-3
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 09:20
 Date Received: 12/18/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	24.4		mg/l	0.0200	0.00654	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00800	0.00085	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00886		mg/l	0.00100	0.00033	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Barium, Total	2.819		mg/l	0.00100	0.00034	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00091	J	mg/l	0.00100	0.00021	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00277		mg/l	0.00040	0.00011	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Calcium, Total	1320		mg/l	10.0	3.94	50	12/28/20 13:18	12/29/20 14:37	EPA 3005A	1,6020B	AM
Chromium, Total	0.1171		mg/l	0.00200	0.00035	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Cobalt, Total	0.06578		mg/l	0.00100	0.00032	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Copper, Total	0.1146		mg/l	0.00200	0.00076	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Iron, Total	67.3		mg/l	0.100	0.0382	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Lead, Total	0.04459		mg/l	0.00200	0.00068	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Magnesium, Total	206.		mg/l	0.140	0.0484	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Manganese, Total	14.79		mg/l	0.00200	0.00088	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/28/20 14:29	12/29/20 13:30	EPA 7470A	1,7470A	EW
Nickel, Total	0.1820		mg/l	0.00400	0.00111	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Potassium, Total	44.0		mg/l	0.200	0.0618	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Selenium, Total	0.00495	J	mg/l	0.0100	0.00346	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00080	0.00032	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Sodium, Total	219.		mg/l	0.200	0.0586	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Thallium, Total	0.00157		mg/l	0.00100	0.00028	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Vanadium, Total	0.1033		mg/l	0.01000	0.00314	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Zinc, Total	0.1585		mg/l	0.02000	0.00682	1	12/28/20 13:18	12/29/20 14:02	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0377		mg/l	0.0100	0.00327	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00070	J	mg/l	0.00400	0.00042	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00018	J	mg/l	0.00050	0.00016	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.09168		mg/l	0.00050	0.00017	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-01
 Client ID: TW-3
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 09:20
 Date Received: 12/18/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Calcium, Dissolved	88.0		mg/l	0.100	0.0394	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00237		mg/l	0.00050	0.00016	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00076	J	mg/l	0.00100	0.00038	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.0755		mg/l	0.0500	0.0191	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	29.1		mg/l	0.0700	0.0242	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.6663		mg/l	0.00100	0.00044	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	12/28/20 13:15	12/29/20 14:44	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00538		mg/l	0.00200	0.00055	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Potassium, Dissolved	6.75		mg/l	0.100	0.0309	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Selenium, Dissolved	0.00216	J	mg/l	0.00500	0.00173	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Sodium, Dissolved	153.		mg/l	0.100	0.0293	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	12/28/20 13:12	12/29/20 15:27	EPA 3005A	1,6020B	AM



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-02
 Client ID: SB-3(24.5-25)
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 09:25
 Date Received: 12/18/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5010		mg/kg	9.21	2.49	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.60	0.350	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Arsenic, Total	2.53		mg/kg	0.921	0.192	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Barium, Total	61.3		mg/kg	0.921	0.160	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.460	0.030	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Cadmium, Total	0.267	J	mg/kg	0.921	0.090	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Calcium, Total	2240		mg/kg	9.21	3.22	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Chromium, Total	14.6		mg/kg	0.921	0.088	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Cobalt, Total	6.36		mg/kg	1.84	0.153	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Copper, Total	13.4		mg/kg	0.921	0.238	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Iron, Total	10700		mg/kg	4.60	0.832	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Lead, Total	2.51	J	mg/kg	4.60	0.247	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Magnesium, Total	5600		mg/kg	9.21	1.42	2	12/23/20 15:33	12/28/20 15:10	EPA 3050B	1,6010D	GD
Manganese, Total	398		mg/kg	0.921	0.146	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.073	0.048	1	12/23/20 15:36	12/28/20 16:01	EPA 7471B	1,7471B	VW
Nickel, Total	13.9		mg/kg	2.30	0.223	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Potassium, Total	2110		mg/kg	230	13.3	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.84	0.238	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.921	0.261	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Sodium, Total	147	J	mg/kg	184	2.90	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.84	0.290	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Vanadium, Total	18.7		mg/kg	0.921	0.187	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV
Zinc, Total	32.4		mg/kg	4.60	0.270	2	12/23/20 15:33	12/26/20 18:49	EPA 3050B	1,6010D	BV



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-05
 Client ID: SB-1A(0-2)
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 14:30
 Date Received: 12/18/20
 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	7880		mg/kg	10.2	2.74	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	5.08	0.386	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Arsenic, Total	2.46		mg/kg	1.02	0.211	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Barium, Total	49.4		mg/kg	1.02	0.177	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Beryllium, Total	0.162	J	mg/kg	0.508	0.034	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Cadmium, Total	0.304	J	mg/kg	1.02	0.100	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Calcium, Total	1580		mg/kg	10.2	3.55	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Chromium, Total	17.0		mg/kg	1.02	0.098	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Cobalt, Total	6.26		mg/kg	2.03	0.168	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Copper, Total	11.6		mg/kg	1.02	0.262	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Iron, Total	13100		mg/kg	5.08	0.917	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Lead, Total	10.6		mg/kg	5.08	0.272	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Magnesium, Total	2520		mg/kg	10.2	1.56	2	12/23/20 15:33	12/28/20 15:15	EPA 3050B	1,6010D	GD
Manganese, Total	240		mg/kg	1.02	0.161	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Mercury, Total	0.063	J	mg/kg	0.086	0.056	1	12/23/20 15:36	12/28/20 16:04	EPA 7471B	1,7471B	VW
Nickel, Total	10.9		mg/kg	2.54	0.246	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Potassium, Total	1180		mg/kg	254	14.6	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	2.03	0.262	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	1.02	0.287	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Sodium, Total	420		mg/kg	203	3.20	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	2.03	0.320	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Vanadium, Total	22.5		mg/kg	1.02	0.206	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV
Zinc, Total	71.5		mg/kg	5.08	0.297	2	12/23/20 15:33	12/26/20 18:53	EPA 3050B	1,6010D	BV



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-07
 Client ID: TW-1
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 15:30
 Date Received: 12/18/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2.18		mg/l	0.0200	0.00654	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00800	0.00085	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00105		mg/l	0.00100	0.00033	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Barium, Total	1.066		mg/l	0.00100	0.00034	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00031	J	mg/l	0.00100	0.00021	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00104		mg/l	0.00040	0.00011	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Calcium, Total	1080		mg/l	10.0	3.94	50	12/28/20 13:18	12/29/20 14:42	EPA 3005A	1,6020B	AM
Chromium, Total	0.01763		mg/l	0.00200	0.00035	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Cobalt, Total	0.1507		mg/l	0.00100	0.00032	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Copper, Total	0.01585		mg/l	0.00200	0.00076	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Iron, Total	14.2		mg/l	0.100	0.0382	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Lead, Total	0.00247		mg/l	0.00200	0.00068	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Magnesium, Total	99.4		mg/l	0.140	0.0484	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Manganese, Total	8.155		mg/l	0.00200	0.00088	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/28/20 14:29	12/29/20 13:33	EPA 7470A	1,7470A	EW
Nickel, Total	0.1321		mg/l	0.00400	0.00111	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Potassium, Total	13.0		mg/l	0.200	0.0618	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.0100	0.00346	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00080	0.00032	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Sodium, Total	134.		mg/l	0.200	0.0586	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00100	0.00028	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00648	J	mg/l	0.01000	0.00314	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Zinc, Total	0.05042		mg/l	0.02000	0.00682	1	12/28/20 13:18	12/29/20 14:07	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.181		mg/l	0.0100	0.00327	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00052	J	mg/l	0.00400	0.00042	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00021	J	mg/l	0.00050	0.00016	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.05633		mg/l	0.00050	0.00017	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-07
 Client ID: TW-1
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 15:30
 Date Received: 12/18/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Calcium, Dissolved	87.9		mg/l	0.100	0.0394	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00223		mg/l	0.00100	0.00017	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00454		mg/l	0.00050	0.00016	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00322		mg/l	0.00100	0.00038	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.288		mg/l	0.0500	0.0191	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	33.1		mg/l	0.0700	0.0242	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.6808		mg/l	0.00100	0.00044	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	12/28/20 13:15	12/29/20 14:54	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00793		mg/l	0.00200	0.00055	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Potassium, Dissolved	6.56		mg/l	0.100	0.0309	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Sodium, Dissolved	125.		mg/l	0.100	0.0293	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	12/28/20 13:12	12/29/20 15:32	EPA 3005A	1,6020B	AM



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,05 Batch: WG1448649-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Antimony, Total	ND		mg/kg	2.00	0.152	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Calcium, Total	1.72	J	mg/kg	4.00	1.40	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Copper, Total	ND		mg/kg	0.400	0.103	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Iron, Total	1.57	J	mg/kg	2.00	0.361	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Lead, Total	ND		mg/kg	2.00	0.107	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Manganese, Total	0.080	J	mg/kg	0.400	0.064	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Potassium, Total	ND		mg/kg	100	5.76	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Silver, Total	ND		mg/kg	0.400	0.113	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Sodium, Total	3.19	J	mg/kg	80.0	1.26	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/23/20 15:33	12/26/20 17:18	1,6010D	BV

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): 02,05 Batch: WG1448652-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	12/23/20 15:36	12/28/20 15:11	1,7471B	VW



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,07 Batch: WG1448719-1									
Aluminum, Total	ND	mg/l	0.0100	0.00327	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Antimony, Total	ND	mg/l	0.00400	0.00042	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Arsenic, Total	ND	mg/l	0.00050	0.00016	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Barium, Total	ND	mg/l	0.00050	0.00017	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Beryllium, Total	ND	mg/l	0.00050	0.00010	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Cadmium, Total	ND	mg/l	0.00020	0.00005	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Calcium, Total	ND	mg/l	0.100	0.0394	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Chromium, Total	ND	mg/l	0.00100	0.00017	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Cobalt, Total	ND	mg/l	0.00050	0.00016	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Copper, Total	ND	mg/l	0.00100	0.00038	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Iron, Total	ND	mg/l	0.0500	0.0191	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Lead, Total	ND	mg/l	0.00100	0.00034	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Magnesium, Total	ND	mg/l	0.0700	0.0242	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Manganese, Total	ND	mg/l	0.00100	0.00044	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Nickel, Total	ND	mg/l	0.00200	0.00055	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Potassium, Total	ND	mg/l	0.100	0.0309	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Selenium, Total	ND	mg/l	0.00500	0.00173	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Silver, Total	ND	mg/l	0.00040	0.00016	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Sodium, Total	ND	mg/l	0.100	0.0293	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Thallium, Total	ND	mg/l	0.00050	0.00014	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Vanadium, Total	ND	mg/l	0.00500	0.00157	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM
Zinc, Total	ND	mg/l	0.01000	0.00341	1	12/28/20 13:18	12/29/20 13:02	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,07 Batch: WG1448721-1									
Mercury, Total	ND	mg/l	0.00020	0.00009	1	12/28/20 14:29	12/29/20 12:24	1,7470A	EW

Prep Information

Digestion Method: EPA 7470A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01,07 Batch: WG1448738-1									
Aluminum, Dissolved	ND	mg/l	0.0100	0.00327	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Antimony, Dissolved	ND	mg/l	0.00400	0.00042	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Arsenic, Dissolved	ND	mg/l	0.00050	0.00016	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Barium, Dissolved	0.00024 J	mg/l	0.00050	0.00017	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Beryllium, Dissolved	ND	mg/l	0.00050	0.00010	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Cadmium, Dissolved	ND	mg/l	0.00020	0.00005	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Calcium, Dissolved	0.0505 J	mg/l	0.100	0.0394	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Chromium, Dissolved	0.00022 J	mg/l	0.00100	0.00017	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Cobalt, Dissolved	ND	mg/l	0.00050	0.00016	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Copper, Dissolved	ND	mg/l	0.00100	0.00038	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Iron, Dissolved	ND	mg/l	0.0500	0.0191	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Lead, Dissolved	ND	mg/l	0.00100	0.00034	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Magnesium, Dissolved	ND	mg/l	0.0700	0.0242	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Manganese, Dissolved	0.00048 J	mg/l	0.00100	0.00044	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Nickel, Dissolved	ND	mg/l	0.00200	0.00055	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Potassium, Dissolved	ND	mg/l	0.100	0.0309	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Selenium, Dissolved	ND	mg/l	0.00500	0.00173	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Silver, Dissolved	ND	mg/l	0.00040	0.00016	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Sodium, Dissolved	ND	mg/l	0.100	0.0293	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Thallium, Dissolved	ND	mg/l	0.00050	0.00014	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Vanadium, Dissolved	ND	mg/l	0.00500	0.00157	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM
Zinc, Dissolved	ND	mg/l	0.01000	0.00341	1	12/28/20 13:12	12/29/20 15:02	1,6020B	AM

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01,07 Batch: WG1448739-1									
Mercury, Dissolved	ND	mg/l	0.00020	0.00009	1	12/28/20 13:15	12/29/20 14:37	1,7470A	EW

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 02,05 Batch: WG1448649-2 SRM Lot Number: D109-540								
Aluminum, Total	71		-		50-150	-		
Antimony, Total	136		-		19-250	-		
Arsenic, Total	99		-		70-130	-		
Barium, Total	97		-		75-125	-		
Beryllium, Total	104		-		75-125	-		
Cadmium, Total	104		-		75-125	-		
Calcium, Total	97		-		73-128	-		
Chromium, Total	98		-		70-130	-		
Cobalt, Total	102		-		75-125	-		
Copper, Total	94		-		75-125	-		
Iron, Total	91		-		35-165	-		
Lead, Total	94		-		72-128	-		
Magnesium, Total	86		-		62-138	-		
Manganese, Total	98		-		74-126	-		
Nickel, Total	101		-		70-130	-		
Potassium, Total	83		-		59-141	-		
Selenium, Total	100		-		68-132	-		
Silver, Total	96		-		68-131	-		
Sodium, Total	103		-		35-165	-		
Thallium, Total	101		-		68-131	-		
Vanadium, Total	96		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,05 Batch: WG1448649-2 SRM Lot Number: D109-540					
Zinc, Total	94	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 02,05 Batch: WG1448652-2 SRM Lot Number: D109-540					
Mercury, Total	103	-	60-140	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,07 Batch: WG1448719-2					
Aluminum, Total	106	-	80-120	-	
Antimony, Total	86	-	80-120	-	
Arsenic, Total	106	-	80-120	-	
Barium, Total	102	-	80-120	-	
Beryllium, Total	104	-	80-120	-	
Cadmium, Total	107	-	80-120	-	
Calcium, Total	110	-	80-120	-	
Chromium, Total	102	-	80-120	-	
Cobalt, Total	103	-	80-120	-	
Copper, Total	103	-	80-120	-	
Iron, Total	100	-	80-120	-	
Lead, Total	102	-	80-120	-	
Magnesium, Total	106	-	80-120	-	
Manganese, Total	99	-	80-120	-	
Nickel, Total	98	-	80-120	-	
Potassium, Total	108	-	80-120	-	
Selenium, Total	104	-	80-120	-	
Silver, Total	102	-	80-120	-	
Sodium, Total	107	-	80-120	-	
Thallium, Total	106	-	80-120	-	
Vanadium, Total	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,07 Batch: WG1448719-2					
Zinc, Total	108	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01,07 Batch: WG1448721-2					
Mercury, Total	85	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01,07 Batch: WG1448738-2					
Aluminum, Dissolved	104	-	80-120	-	
Antimony, Dissolved	81	-	80-120	-	
Arsenic, Dissolved	103	-	80-120	-	
Barium, Dissolved	99	-	80-120	-	
Beryllium, Dissolved	102	-	80-120	-	
Cadmium, Dissolved	106	-	80-120	-	
Calcium, Dissolved	102	-	80-120	-	
Chromium, Dissolved	100	-	80-120	-	
Cobalt, Dissolved	100	-	80-120	-	
Copper, Dissolved	102	-	80-120	-	
Iron, Dissolved	96	-	80-120	-	
Lead, Dissolved	103	-	80-120	-	
Magnesium, Dissolved	109	-	80-120	-	
Manganese, Dissolved	98	-	80-120	-	
Nickel, Dissolved	95	-	80-120	-	
Potassium, Dissolved	106	-	80-120	-	
Selenium, Dissolved	105	-	80-120	-	
Silver, Dissolved	101	-	80-120	-	
Sodium, Dissolved	108	-	80-120	-	
Thallium, Dissolved	106	-	80-120	-	
Vanadium, Dissolved	100	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01,07 Batch: WG1448738-2					
Zinc, Dissolved	106	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01,07 Batch: WG1448739-2					
Mercury, Dissolved	86	-	80-120	-	

Matrix Spike Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,05 QC Batch ID: WG1448649-3 QC Sample: L2057071-04 Client ID: MS Sample												
Aluminum, Total	7940	262	7490	0	Q	-	-		75-125	-		20
Antimony, Total	46.6	65.6	67.8	32	Q	-	-		75-125	-		20
Arsenic, Total	42.8	15.7	50.8	51	Q	-	-		75-125	-		20
Barium, Total	96.6	262	339	92		-	-		75-125	-		20
Beryllium, Total	0.285J	6.56	6.45	98		-	-		75-125	-		20
Cadmium, Total	0.894	6.69	7.14	93		-	-		75-125	-		20
Calcium, Total	20800	1310	16700	0	Q	-	-		75-125	-		20
Chromium, Total	99.0	26.2	94.6	0	Q	-	-		75-125	-		20
Cobalt, Total	5.80	65.6	61.6	85		-	-		75-125	-		20
Copper, Total	84.7	32.8	96.1	35	Q	-	-		75-125	-		20
Iron, Total	21300	131	20800	0	Q	-	-		75-125	-		20
Lead, Total	594	66.9	807	318	Q	-	-		75-125	-		20
Magnesium, Total	2720	1310	3590	66	Q	-	-		75-125	-		20
Manganese, Total	149	65.6	187	58	Q	-	-		75-125	-		20
Nickel, Total	20.7	65.6	73.4	80		-	-		75-125	-		20
Potassium, Total	1140	1310	2460	101		-	-		75-125	-		20
Selenium, Total	2.22	15.7	17.6	98		-	-		75-125	-		20
Silver, Total	1.40	39.4	40.6	100		-	-		75-125	-		20
Sodium, Total	346	1310	1660	100		-	-		75-125	-		20
Thallium, Total	ND	15.7	12.2	78		-	-		75-125	-		20
Vanadium, Total	28.8	65.6	86.2	88		-	-		75-125	-		20

Matrix Spike Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,05 QC Batch ID: WG1448649-3 QC Sample: L2057071-04 Client ID: MS Sample									
Zinc, Total	197	65.6	270	111	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 02,05 QC Batch ID: WG1448652-3 QC Sample: L2056944-01 Client ID: MS Sample									
Mercury, Total	2.02	0.156	1.93	0	Q	-	80-120	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,07 QC Batch ID: WG1448719-3 QC Sample: L2056214-01 Client ID: MS Sample									
Aluminum, Total	0.0425	2	2.10	103	-	-	75-125	-	20
Antimony, Total	0.00045J	0.5	0.4026	80	-	-	75-125	-	20
Arsenic, Total	0.00052	0.12	0.1231	102	-	-	75-125	-	20
Barium, Total	0.01875	2	2.009	100	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05159	103	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.05446	107	-	-	75-125	-	20
Calcium, Total	42.6	10	51.1	85	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.2009	100	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.5079	102	-	-	75-125	-	20
Copper, Total	0.00445	0.25	0.2528	99	-	-	75-125	-	20
Iron, Total	0.0981	1	1.26	116	-	-	75-125	-	20
Lead, Total	ND	0.51	0.5333	104	-	-	75-125	-	20
Magnesium, Total	10.8	10	20.9	101	-	-	75-125	-	20
Manganese, Total	0.1960	0.5	0.6739	96	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.4836	97	-	-	75-125	-	20
Potassium, Total	1.30	10	11.8	105	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.126	105	-	-	75-125	-	20
Silver, Total	ND	0.05	0.04992	100	-	-	75-125	-	20
Sodium, Total	10.2	10	20.2	100	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1315	110	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.4991	100	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,07 QC Batch ID: WG1448719-3 QC Sample: L2056214-01 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.5326	106	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01,07 QC Batch ID: WG1448721-3 QC Sample: L2056214-02 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00472	94	-	-	75-125	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01,07 QC Batch ID: WG1448738-3 QC Sample: L2056922-01 Client ID: TW-3									
Aluminum, Dissolved	0.0377	2	2.03	100	-	-	75-125	-	20
Antimony, Dissolved	0.00070J	0.5	0.5157	103	-	-	75-125	-	20
Arsenic, Dissolved	0.00018J	0.12	0.1240	103	-	-	75-125	-	20
Barium, Dissolved	0.09168	2	2.045	98	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.04943	99	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05342	105	-	-	75-125	-	20
Calcium, Dissolved	88.0	10	95.0	70	Q	-	75-125	-	20
Chromium, Dissolved	ND	0.2	0.1929	96	-	-	75-125	-	20
Cobalt, Dissolved	0.00237	0.5	0.4828	96	-	-	75-125	-	20
Copper, Dissolved	0.00076J	0.25	0.2431	97	-	-	75-125	-	20
Iron, Dissolved	0.0755	1	0.998	92	-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.5240	103	-	-	75-125	-	20
Magnesium, Dissolved	29.1	10	38.9	98	-	-	75-125	-	20
Manganese, Dissolved	0.6663	0.5	1.129	92	-	-	75-125	-	20
Nickel, Dissolved	0.00538	0.5	0.4711	93	-	-	75-125	-	20
Potassium, Dissolved	6.75	10	16.9	102	-	-	75-125	-	20
Selenium, Dissolved	0.00216J	0.12	0.126	105	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.04926	98	-	-	75-125	-	20
Sodium, Dissolved	153.	10	158	50	Q	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1251	104	-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.4840	97	-	-	75-125	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01,07 QC Batch ID: WG1448738-3 QC Sample: L2056922-01 Client ID: TW-3									
Zinc, Dissolved	ND	0.5	0.5118	102	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01,07 QC Batch ID: WG1448739-3 QC Sample: L2056922-01 Client ID: TW-3									
Mercury, Dissolved	ND	0.005	0.00453	91	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,05 QC Batch ID: WG1448649-4 QC Sample: L2057071-04 Client ID: DUP Sample						
Lead, Total	594	646	mg/kg	8		20
Total Metals - Mansfield Lab Associated sample(s): 02,05 QC Batch ID: WG1448652-4 QC Sample: L2056944-01 Client ID: DUP Sample						
Mercury, Total	2.02	1.94	mg/kg	4		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,07 QC Batch ID: WG1448719-4 QC Sample: L2056214-01 Client ID: DUP Sample					
Aluminum, Total	0.0425	0.0517	mg/l	20	20
Antimony, Total	0.00045J	0.00168J	mg/l	NC	20
Arsenic, Total	0.00052	0.00060	mg/l	13	20
Barium, Total	0.01875	0.01888	mg/l	1	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Chromium, Total	ND	ND	mg/l	NC	20
Copper, Total	0.00445	0.00067J	mg/l	NC	20
Iron, Total	0.0981	0.119	mg/l	19	20
Lead, Total	ND	ND	mg/l	NC	20
Manganese, Total	0.1960	0.1960	mg/l	0	20
Nickel, Total	ND	ND	mg/l	NC	20
Potassium, Total	1.30	1.32	mg/l	2	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	10.2	10.4	mg/l	2	20
Thallium, Total	ND	0.00017J	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,07 QC Batch ID: WG1448721-4 QC Sample: L2056214-02 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01,07 QC Batch ID: WG1448738-4 QC Sample: L2056922-01 Client ID: TW-3					
Aluminum, Dissolved	0.0377	0.0436	mg/l	15	20
Antimony, Dissolved	0.00070J	0.00095J	mg/l	NC	20
Arsenic, Dissolved	0.00018J	0.00022J	mg/l	NC	20
Barium, Dissolved	0.09168	0.08786	mg/l	4	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	88.0	86.7	mg/l	1	20
Chromium, Dissolved	ND	ND	mg/l	NC	20
Cobalt, Dissolved	0.00237	0.00235	mg/l	1	20
Copper, Dissolved	0.00076J	0.00078J	mg/l	NC	20
Iron, Dissolved	0.0755	0.110	mg/l	37	Q 20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	29.1	28.0	mg/l	4	20
Manganese, Dissolved	0.6663	0.6479	mg/l	3	20
Nickel, Dissolved	0.00538	0.00527	mg/l	2	20
Potassium, Dissolved	6.75	6.64	mg/l	2	20
Selenium, Dissolved	0.00216J	0.00199J	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	153.	148	mg/l	3	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01,07 QC Batch ID: WG1448738-4 QC Sample: L2056922-01 Client ID: TW-3					
Thallium, Dissolved	ND	0.00058	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01,07 QC Batch ID: WG1448739-4 QC Sample: L2056922-01 Client ID: TW-3					
Mercury, Dissolved	ND	ND	mg/l	NC	20

INORGANICS & MISCELLANEOUS

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-02
Client ID: SB-3(24.5-25)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 09:25
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.1		%	0.100	NA	1	-	12/19/20 12:17	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-05
Client ID: SB-1A(0-2)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 14:30
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.0		%	0.100	NA	1	-	12/19/20 12:17	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2056922-06
Client ID: SB-1A(14.5-15)
Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON, NY

Date Collected: 12/18/20 15:10
Date Received: 12/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.4		%	0.100	NA	1	-	12/19/20 12:17	121,2540G	RI



Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,05-06 QC Batch ID: WG1447052-1 QC Sample: L2056710-01 Client ID: DUP Sample						
Solids, Total	85.1	87.5	%	3		20

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2056922-01A	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260(14)
L2056922-01B	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260(14)
L2056922-01C	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260(14)
L2056922-01D	Plastic 250ml unpreserved	A	7	7	4.9	Y	Absent		-
L2056922-01E	Amber 250ml unpreserved	A	7	7	4.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2056922-01F	Amber 250ml unpreserved	A	7	7	4.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2056922-01G	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		FE-6020T(180),BA-6020T(180),TL-6020T(180),SE-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),HG-T(28),AG-6020T(180),CD-6020T(180),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2056922-01X	Plastic 120ml HNO3 preserved Filtrates	A	NA		4.9	Y	Absent		K-6020S(180),SE-6020S(180),V-6020S(180),CU-6020S(180),MN-6020S(180),ZN-6020S(180),BE-6020S(180),MG-6020S(180),CO-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),BA-6020S(180),TL-6020S(180),NA-6020S(180),SB-6020S(180),AS-6020S(180),AG-6020S(180),HG-S(28),CD-6020S(180),AL-6020S(180)
L2056922-02A	5 gram Encore Sampler	A	NA		4.9	Y	Absent		NYTCL-8260HLW(14)
L2056922-02B	5 gram Encore Sampler	A	NA		4.9	Y	Absent		NYTCL-8260HLW(14)
L2056922-02C	5 gram Encore Sampler	A	NA		4.9	Y	Absent		NYTCL-8260HLW(14)
L2056922-02D	Plastic 2oz unpreserved for TS	A	NA		4.9	Y	Absent		TS(7)

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2056922-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2056922-02F	Glass 120ml/4oz unpreserved	A	NA		4.9	Y	Absent		NYTCL-8270(14)
L2056922-02X	Vial MeOH preserved split	A	NA		4.9	Y	Absent		NYTCL-8260HLW(14)
L2056922-02Y	Vial Water preserved split	A	NA		4.9	Y	Absent	19-DEC-20 14:28	NYTCL-8260HLW(14)
L2056922-02Z	Vial Water preserved split	A	NA		4.9	Y	Absent	19-DEC-20 14:28	NYTCL-8260HLW(14)
L2056922-03A	5 gram Encore Sampler	A	NA		4.9	Y	Absent		HOLD-8260HLW(14)
L2056922-03B	5 gram Encore Sampler	A	NA		4.9	Y	Absent		HOLD-8260HLW(14)
L2056922-03C	5 gram Encore Sampler	A	NA		4.9	Y	Absent		HOLD-8260HLW(14)
L2056922-03D	Plastic 2oz unpreserved for TS	A	NA		4.9	Y	Absent		HOLD-WETCHEM()
L2056922-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		HOLD-METAL(180)
L2056922-03F	Glass 120ml/4oz unpreserved	A	NA		4.9	Y	Absent		HOLD-8270(14)
L2056922-03X	Vial MeOH preserved split	A	NA		4.9	Y	Absent		HOLD-8260HLW(14)
L2056922-03Y	Vial Water preserved split	A	NA		4.9	Y	Absent	19-DEC-20 14:28	HOLD-8260HLW(14)
L2056922-03Z	Vial Water preserved split	A	NA		4.9	Y	Absent	19-DEC-20 14:28	HOLD-8260HLW(14)
L2056922-04A	5 gram Encore Sampler	A	NA		4.9	Y	Absent		HOLD-8260HLW(14)
L2056922-04B	5 gram Encore Sampler	A	NA		4.9	Y	Absent		HOLD-8260HLW(14)
L2056922-04C	5 gram Encore Sampler	A	NA		4.9	Y	Absent		HOLD-8260HLW(14)
L2056922-04D	Plastic 2oz unpreserved for TS	A	NA		4.9	Y	Absent		HOLD-WETCHEM()
L2056922-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		HOLD-METAL(180)
L2056922-04F	Glass 120ml/4oz unpreserved	A	NA		4.9	Y	Absent		HOLD-8270(14)
L2056922-04X	Vial MeOH preserved split	A	NA		4.9	Y	Absent		HOLD-8260HLW(14)
L2056922-04Y	Vial Water preserved split	A	NA		4.9	Y	Absent	19-DEC-20 14:28	HOLD-8260HLW(14)
L2056922-04Z	Vial Water preserved split	A	NA		4.9	Y	Absent	19-DEC-20 14:28	HOLD-8260HLW(14)
L2056922-05A	5 gram Encore Sampler	A	NA		4.9	Y	Absent		NYTCL-8260HLW(14)
L2056922-05B	5 gram Encore Sampler	A	NA		4.9	Y	Absent		NYTCL-8260HLW(14)
L2056922-05C	5 gram Encore Sampler	A	NA		4.9	Y	Absent		NYTCL-8260HLW(14)

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2056922-05D	Plastic 2oz unpreserved for TS	A	NA		4.9	Y	Absent		TS(7)
L2056922-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2056922-05F	Glass 120ml/4oz unpreserved	A	NA		4.9	Y	Absent		NYTCL-8270(14)
L2056922-05X	Vial MeOH preserved split	A	NA		4.9	Y	Absent		NYTCL-8260HLW(14)
L2056922-05Y	Vial Water preserved split	A	NA		4.9	Y	Absent	19-DEC-20 14:28	NYTCL-8260HLW(14)
L2056922-05Z	Vial Water preserved split	A	NA		4.9	Y	Absent	19-DEC-20 14:28	NYTCL-8260HLW(14)
L2056922-06A	5 gram Encore Sampler	A	NA		4.9	Y	Absent		NYTCL-8260HLW(14)
L2056922-06B	5 gram Encore Sampler	A	NA		4.9	Y	Absent		NYTCL-8260HLW(14)
L2056922-06C	5 gram Encore Sampler	A	NA		4.9	Y	Absent		NYTCL-8260HLW(14)
L2056922-06D	Plastic 2oz unpreserved for TS	A	NA		4.9	Y	Absent		TS(7)
L2056922-06X	Vial MeOH preserved split	A	NA		4.9	Y	Absent		NYTCL-8260HLW(14)
L2056922-06Y	Vial Water preserved split	A	NA		4.9	Y	Absent	19-DEC-20 14:28	NYTCL-8260HLW(14)
L2056922-06Z	Vial Water preserved split	A	NA		4.9	Y	Absent	19-DEC-20 14:28	NYTCL-8260HLW(14)
L2056922-07A	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260(14)
L2056922-07B	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260(14)
L2056922-07C	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260(14)
L2056922-07D	Plastic 250ml unpreserved	A	7	7	4.9	Y	Absent		-
L2056922-07E	Amber 250ml unpreserved	A	7	7	4.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2056922-07F	Amber 250ml unpreserved	A	7	7	4.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2056922-07G	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		SE-6020T(180),TL-6020T(180),BA-6020T(180),FE-6020T(180),CA-6020T(180),NI-6020T(180),K-6020T(180),CR-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AG-6020T(180),CD-6020T(180),MG-6020T(180),HG-T(28),AL-6020T(180),CO-6020T(180)

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Serial_No:12302012:42
Lab Number: L2056922
Report Date: 12/30/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2056922-07X	Plastic 120ml HNO3 preserved Filtrates	A	NA		4.9	Y	Absent		V-6020S(180),SE-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),CO-6020S(180),ZN-6020S(180),BE-6020S(180),MG-6020S(180),FE-6020S(180),CR-6020S(180),CA-6020S(180),BA-6020S(180),TL-6020S(180),NI-6020S(180),PB-6020S(180),NA-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

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.

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- 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 Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: MT. VERNON
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Data Qualifiers

- 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.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2056922
Report Date: 12/30/20

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

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

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

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

Mansfield Facility

SM 2540D: TSS

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

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

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

EPA TO-12 Non-methane organics

EPA 3C Fixed 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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

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

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

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

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

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

Mansfield Facility:

Drinking Water

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

EPA 522.

Non-Potable Water


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

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

EPA 245.1 Hg.

SM2340B

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	NEW YORK CHAIN OF CUSTODY Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page	Date Rec'd in Lab	ALPHA Job #														
			1 of 1	12/19/20	L2056922														
Project Information Project Name: <u>Mt. Vernon</u> Project Location: <u>1155. Marquesten Pkwy, Mt Vernon, NY</u> Project # <u>2908.00084000</u> (Use Project name as Project #) <input type="checkbox"/>			Deliverables <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input checked="" type="checkbox"/> Other <u>Category B data deliv</u>		Billing Information <input checked="" type="checkbox"/> Same as Client Info PO #														
Client Information Client: <u>Roux Env'ing & Geo. PDC</u> Address: <u>209 Shaffer Street, Islandia, NY 11749</u> Phone: <u>(631) 630-2372</u> Fax: Email: <u>r.lombino@rouxinc.com</u>			Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input checked="" type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:														
Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:																			
These samples have been previously analyzed by Alpha <input type="checkbox"/>			ANALYSIS																
Other project specific requirements/comments: <u>H=hold sample for analysis until authorized by Roux to run</u>			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:10%;">VOCs (8260C)</th> <th style="width:10%;">SVOCs (8270D)</th> <th style="width:10%;">Total Metals + Mercury</th> <th style="width:10%;">Dissolved Metals + Mercury</th> <th style="width:10%;">VOCs (8260C)⁷⁵</th> <th style="width:10%;">SVOCs (8270D)</th> <th style="width:10%;">Total Metals + Mercury</th> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> </tr> </table>			VOCs (8260C)	SVOCs (8270D)	Total Metals + Mercury	Dissolved Metals + Mercury	VOCs (8260C) ⁷⁵	SVOCs (8270D)	Total Metals + Mercury	X	X	X	X			
VOCs (8260C)	SVOCs (8270D)	Total Metals + Mercury	Dissolved Metals + Mercury	VOCs (8260C) ⁷⁵	SVOCs (8270D)	Total Metals + Mercury													
X	X	X	X																
Please specify Metals or TAL. <u>Dissolved and total metals for 6W analysis (Lab Filter)</u>			Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input checked="" type="checkbox"/> Lab to do (Please Specify below)																
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection	Sample Matrix	Sampler's Initials			Sample Specific Comments	Total Bottle											
		Date Time																	
<u>56922-01</u>	<u>TW-3</u>	<u>12/18/2020</u> <u>0920</u>	<u>GW</u>	<u>MN</u>	X	X	X	X	7										
<u>-02</u>	<u>SB-3(24.5-25)</u>		<u>SO</u>	<u>MN</u>			X	X	6										
<u>-03</u>	<u>SB-4(10-10.5)</u>		<u>SO</u>	<u>MN</u>			H	H	6										
<u>-04</u>	<u>SB-2(15.5-16)</u>		<u>SO</u>	<u>MN</u>			H	H	6										
<u>-05</u>	<u>SB-1A(0-2)</u>		<u>SO</u>	<u>MN</u>			X	X	6										
<u>-06</u>	<u>SB-1A(14.5-15)</u>		<u>SO</u>	<u>MN</u>			X		4										
<u>-07</u>	<u>TW-1</u>	↓	<u>GW</u>	<u>MN</u>	X	X	X	X	7										
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other			Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle			Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type: <u>V A P P E P A A</u> Preservative: <u>B A C A A A A</u>		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)									
Relinquished By:		Date/Time		Received By:		Date/Time													
<u>Morgan Winton</u>		<u>12/18/20 @ 1600</u>		<u>Steve Kim</u>		<u>12/18/20 1540</u>													
<u>Steve Kim</u>		<u>12/18/20 1907</u>		<u>Steve Kim</u>		<u>12/18/20 20:30</u>													
<u>Steve Kim</u>		<u>12/19/20 00:20</u>		<u>Steve Kim</u>		<u>12/19/20 00:20</u>													



ANALYTICAL REPORT

Lab Number:	L2057104
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Ronald Lombino
Phone:	(631) 630-2372
Project Name:	MT. VERNON
Project Number:	2908.0008Y000
Report Date:	12/30/20

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

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2057104-01	SV-1	SOIL_VAPOR	115 S. MACQUESTEN PKWY, MT. VERNON, NY	12/21/20 15:57	12/21/20
L2057104-02	SV-2	SOIL_VAPOR	115 S. MACQUESTEN PKWY, MT. VERNON, NY	12/21/20 15:50	12/21/20
L2057104-03	SV-3	SOIL_VAPOR	115 S. MACQUESTEN PKWY, MT. VERNON, NY	12/21/20 16:11	12/21/20
L2057104-04	SV-4	SOIL_VAPOR	115 S. MACQUESTEN PKWY, MT. VERNON, NY	12/21/20 16:14	12/21/20
L2057104-05	SV-5	SOIL_VAPOR	115 S. MACQUESTEN PKWY, MT. VERNON, NY	12/21/20 16:05	12/21/20
L2057104-06	SV-6	SOIL_VAPOR	115 S. MACQUESTEN PKWY, MT. VERNON, NY	12/21/20 16:20	12/21/20

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

Case Narrative

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

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

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

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

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

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

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on December 15, 2020. The canister certification results are provided as an addendum.

L2057104-04: The sample was re-analyzed on dilution in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2057104-04: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 12/30/20

AIR

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-01
 Client ID: SV-1
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 15:57
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/29/20 18:52
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.411	0.200	--	2.03	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	38.5	5.00	--	72.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.15	1.00	--	5.11	2.38	--		1
Trichlorofluoromethane	0.353	0.200	--	1.98	1.12	--		1
Isopropanol	2.11	0.500	--	5.19	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.656	0.200	--	2.04	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-01
 Client ID: SV-1
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 15:57
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	5.41	0.200	--	26.4	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.520	0.200	--	1.83	0.705	--		1
1,1,1-Trichloroethane	1.57	0.200	--	8.57	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	0.302	0.200	--	1.90	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	42.2	0.200	--	227	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.568	0.200	--	2.14	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	17.3	0.200	--	117	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-01
 Client ID: SV-1
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 15:57
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.470	0.400	--	2.04	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.239	0.200	--	1.04	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	96		60-140



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-02
 Client ID: SV-2
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 15:50
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/29/20 19:32
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.387	0.200	--	1.91	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	65.8	5.00	--	124	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.47	1.00	--	5.87	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	2.92	0.500	--	7.18	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-02
 Client ID: SV-2
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 15:50
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.996	0.200	--	4.86	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.221	0.200	--	0.779	0.705	--		1
1,1,1-Trichloroethane	0.308	0.200	--	1.68	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	16.4	0.200	--	88.1	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.250	0.200	--	0.942	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	4.24	0.200	--	28.8	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-02
 Client ID: SV-2
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 15:50
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	96		60-140



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-03
 Client ID: SV-3
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 16:11
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/29/20 20:51
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.417	0.200	--	2.06	0.989	--		1
Chloromethane	0.461	0.200	--	0.952	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	165	5.00	--	311	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	109	1.00	--	259	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	14.6	0.500	--	35.9	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	15.2	0.500	--	52.8	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	5.69	0.500	--	16.8	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-03
 Client ID: SV-3
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 16:11
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.330	0.200	--	1.61	0.977	--		1
Tetrahydrofuran	2.90	0.500	--	8.55	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	21.1	0.200	--	74.4	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.499	0.200	--	1.59	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	17.4	0.200	--	59.9	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	1.31	0.200	--	7.04	1.07	--		1
2,2,4-Trimethylpentane	0.236	0.200	--	1.10	0.934	--		1
Heptane	3.52	0.200	--	14.4	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	17.7	0.200	--	66.7	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-03
 Client ID: SV-3
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 16:11
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-04 D
 Client ID: SV-4
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 16:14
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/29/20 21:28
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	3.08	--	ND	15.2	--		15.42
Chloromethane	ND	3.08	--	ND	6.36	--		15.42
Freon-114	ND	3.08	--	ND	21.5	--		15.42
Vinyl chloride	ND	3.08	--	ND	7.87	--		15.42
1,3-Butadiene	ND	3.08	--	ND	6.81	--		15.42
Bromomethane	ND	3.08	--	ND	12.0	--		15.42
Chloroethane	ND	3.08	--	ND	8.13	--		15.42
Ethanol	150	77.1	--	283	145	--		15.42
Vinyl bromide	ND	3.08	--	ND	13.5	--		15.42
Acetone	ND	15.4	--	ND	36.6	--		15.42
Trichlorofluoromethane	ND	3.08	--	ND	17.3	--		15.42
Isopropanol	ND	7.71	--	ND	19.0	--		15.42
1,1-Dichloroethene	ND	3.08	--	ND	12.2	--		15.42
Tertiary butyl Alcohol	ND	7.71	--	ND	23.4	--		15.42
Methylene chloride	ND	7.71	--	ND	26.8	--		15.42
3-Chloropropene	ND	3.08	--	ND	9.64	--		15.42
Carbon disulfide	ND	3.08	--	ND	9.59	--		15.42
Freon-113	ND	3.08	--	ND	23.6	--		15.42
trans-1,2-Dichloroethene	ND	3.08	--	ND	12.2	--		15.42
1,1-Dichloroethane	151	3.08	--	611	12.5	--		15.42
Methyl tert butyl ether	ND	3.08	--	ND	11.1	--		15.42
2-Butanone	ND	7.71	--	ND	22.7	--		15.42
cis-1,2-Dichloroethene	ND	3.08	--	ND	12.2	--		15.42



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-04 D
 Client ID: SV-4
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 16:14
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	7.71	--	ND	27.8	--		15.42
Chloroform	6.60	3.08	--	32.2	15.0	--		15.42
Tetrahydrofuran	ND	7.71	--	ND	22.7	--		15.42
1,2-Dichloroethane	ND	3.08	--	ND	12.5	--		15.42
n-Hexane	ND	3.08	--	ND	10.9	--		15.42
1,1,1-Trichloroethane	4560	3.08	--	24900	16.8	--	E	15.42
Benzene	ND	3.08	--	ND	9.84	--		15.42
Carbon tetrachloride	ND	3.08	--	ND	19.4	--		15.42
Cyclohexane	ND	3.08	--	ND	10.6	--		15.42
1,2-Dichloropropane	ND	3.08	--	ND	14.2	--		15.42
Bromodichloromethane	ND	3.08	--	ND	20.6	--		15.42
1,4-Dioxane	ND	3.08	--	ND	11.1	--		15.42
Trichloroethene	477	3.08	--	2560	16.6	--		15.42
2,2,4-Trimethylpentane	ND	3.08	--	ND	14.4	--		15.42
Heptane	ND	3.08	--	ND	12.6	--		15.42
cis-1,3-Dichloropropene	ND	3.08	--	ND	14.0	--		15.42
4-Methyl-2-pentanone	ND	7.71	--	ND	31.6	--		15.42
trans-1,3-Dichloropropene	ND	3.08	--	ND	14.0	--		15.42
1,1,2-Trichloroethane	ND	3.08	--	ND	16.8	--		15.42
Toluene	ND	3.08	--	ND	11.6	--		15.42
2-Hexanone	ND	3.08	--	ND	12.6	--		15.42
Dibromochloromethane	ND	3.08	--	ND	26.2	--		15.42
1,2-Dibromoethane	ND	3.08	--	ND	23.7	--		15.42
Tetrachloroethene	6.29	3.08	--	42.7	20.9	--		15.42
Chlorobenzene	ND	3.08	--	ND	14.2	--		15.42
Ethylbenzene	ND	3.08	--	ND	13.4	--		15.42



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-04 D
 Client ID: SV-4
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 16:14
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	6.17	--	ND	26.8	--		15.42
Bromoform	ND	3.08	--	ND	31.8	--		15.42
Styrene	ND	3.08	--	ND	13.1	--		15.42
1,1,2,2-Tetrachloroethane	ND	3.08	--	ND	21.2	--		15.42
o-Xylene	ND	3.08	--	ND	13.4	--		15.42
4-Ethyltoluene	ND	3.08	--	ND	15.1	--		15.42
1,3,5-Trimethylbenzene	ND	3.08	--	ND	15.1	--		15.42
1,2,4-Trimethylbenzene	ND	3.08	--	ND	15.1	--		15.42
Benzyl chloride	ND	3.08	--	ND	15.9	--		15.42
1,3-Dichlorobenzene	ND	3.08	--	ND	18.5	--		15.42
1,4-Dichlorobenzene	ND	3.08	--	ND	18.5	--		15.42
1,2-Dichlorobenzene	ND	3.08	--	ND	18.5	--		15.42
1,2,4-Trichlorobenzene	ND	3.08	--	ND	22.9	--		15.42
Hexachlorobutadiene	ND	3.08	--	ND	32.9	--		15.42

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-04 D2
 Client ID: SV-4
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 16:14
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/30/20 08:47
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,1-Trichloroethane	4910	17.3	--	26800	94.4	--		86.51

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	96		60-140



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-05
 Client ID: SV-5
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 16:05
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/29/20 22:07
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.394	0.200	--	1.95	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	89.1	5.00	--	168	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.83	1.00	--	6.72	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	3.43	0.500	--	8.43	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.945	0.500	--	2.86	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	1.04	0.200	--	4.21	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	0.210	0.200	--	0.833	0.793	--		1



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-05
 Client ID: SV-5
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 16:05
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	6.96	0.200	--	34.0	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.335	0.200	--	1.18	0.705	--		1
1,1,1-Trichloroethane	31.6	0.200	--	172	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	12.0	0.200	--	64.5	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.65	0.200	--	6.22	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	8.13	0.200	--	55.1	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-05
 Client ID: SV-5
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 16:05
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	98		60-140



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-06
 Client ID: SV-6
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 16:20
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/29/20 22:46
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.411	0.200	--	2.03	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	22.8	5.00	--	43.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.49	1.00	--	17.8	2.38	--		1
Trichlorofluoromethane	0.247	0.200	--	1.39	1.12	--		1
Isopropanol	8.51	0.500	--	20.9	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.71	0.500	--	5.18	1.52	--		1
Methylene chloride	0.606	0.500	--	2.11	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	3.16	0.500	--	9.32	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-06
 Client ID: SV-6
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 16:20
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.262	0.200	--	0.923	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.815	0.200	--	3.07	0.754	--		1
2-Hexanone	0.608	0.200	--	2.49	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	3.63	0.200	--	24.6	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

SAMPLE RESULTS

Lab ID: L2057104-06
 Client ID: SV-6
 Sample Location: 115 S. MACQUESTEN PKWY, MT. VERNON,
 NY

Date Collected: 12/21/20 16:20
 Date Received: 12/21/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.638	0.400	--	2.77	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.285	0.200	--	1.24	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	96		60-140



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/29/20 14:47

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1450013-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/29/20 14:47

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1450013-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/29/20 14:47

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1450013-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1450013-3								
Dichlorodifluoromethane	99		-		70-130	-		
Chloromethane	107		-		70-130	-		
Freon-114	102		-		70-130	-		
Vinyl chloride	86		-		70-130	-		
1,3-Butadiene	108		-		70-130	-		
Bromomethane	83		-		70-130	-		
Chloroethane	81		-		70-130	-		
Ethanol	95		-		40-160	-		
Vinyl bromide	78		-		70-130	-		
Acetone	75		-		40-160	-		
Trichlorofluoromethane	84		-		70-130	-		
Isopropanol	73		-		40-160	-		
1,1-Dichloroethene	84		-		70-130	-		
Tertiary butyl Alcohol	78		-		70-130	-		
Methylene chloride	107		-		70-130	-		
3-Chloropropene	94		-		70-130	-		
Carbon disulfide	88		-		70-130	-		
Freon-113	86		-		70-130	-		
trans-1,2-Dichloroethene	83		-		70-130	-		
1,1-Dichloroethane	83		-		70-130	-		
Methyl tert butyl ether	89		-		70-130	-		
2-Butanone	97		-		70-130	-		
cis-1,2-Dichloroethene	87		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1450013-3								
Ethyl Acetate	88		-		70-130	-		
Chloroform	98		-		70-130	-		
Tetrahydrofuran	92		-		70-130	-		
1,2-Dichloroethane	86		-		70-130	-		
n-Hexane	106		-		70-130	-		
1,1,1-Trichloroethane	104		-		70-130	-		
Benzene	109		-		70-130	-		
Carbon tetrachloride	116		-		70-130	-		
Cyclohexane	108		-		70-130	-		
1,2-Dichloropropane	100		-		70-130	-		
Bromodichloromethane	118		-		70-130	-		
1,4-Dioxane	107		-		70-130	-		
Trichloroethene	102		-		70-130	-		
2,2,4-Trimethylpentane	109		-		70-130	-		
Heptane	120		-		70-130	-		
cis-1,3-Dichloropropene	122		-		70-130	-		
4-Methyl-2-pentanone	122		-		70-130	-		
trans-1,3-Dichloropropene	106		-		70-130	-		
1,1,2-Trichloroethane	106		-		70-130	-		
Toluene	90		-		70-130	-		
2-Hexanone	110		-		70-130	-		
Dibromochloromethane	105		-		70-130	-		
1,2-Dibromoethane	101		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1450013-3								
Tetrachloroethene	94		-		70-130	-		
Chlorobenzene	101		-		70-130	-		
Ethylbenzene	98		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
Bromoform	106		-		70-130	-		
Styrene	103		-		70-130	-		
1,1,2,2-Tetrachloroethane	114		-		70-130	-		
o-Xylene	105		-		70-130	-		
4-Ethyltoluene	108		-		70-130	-		
1,3,5-Trimethylbenzene	109		-		70-130	-		
1,2,4-Trimethylbenzene	112		-		70-130	-		
Benzyl chloride	104		-		70-130	-		
1,3-Dichlorobenzene	107		-		70-130	-		
1,4-Dichlorobenzene	106		-		70-130	-		
1,2-Dichlorobenzene	108		-		70-130	-		
1,2,4-Trichlorobenzene	109		-		70-130	-		
Hexachlorobutadiene	113		-		70-130	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1450013-5 QC Sample: L2057104-02 Client ID: SV-2						
Dichlorodifluoromethane	0.387	0.401	ppbV	4		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	65.8	67.2	ppbV	2		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	2.47	2.53	ppbV	2		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Isopropanol	2.92	2.96	ppbV	1		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1450013-5 QC Sample: L2057104-02 Client ID: SV-2						
2-Butanone	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	0.996	0.989	ppbV	1		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.221	0.218	ppbV	1		25
1,1,1-Trichloroethane	0.308	0.299	ppbV	3		25
Benzene	ND	ND	ppbV	NC		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	16.4	16.6	ppbV	1		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1450013-5 QC Sample: L2057104-02 Client ID: SV-2						
Toluene	0.250	0.252	ppbV	1		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	4.24	4.32	ppbV	2		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Serial_No: 12302015:34
Lab Number: L2057104
Report Date: 12/30/20

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2057104-01	SV-1	0616	Flow 5	12/15/20	338342		-	-	-	Pass	4.5	4.1	9
L2057104-01	SV-1	2464	2.7L Can	12/15/20	338342	L2055390-02	Pass	-29.3	-7.5	-	-	-	-
L2057104-02	SV-2	01728	Flow 5	12/15/20	338342		-	-	-	Pass	4.5	4.2	7
L2057104-02	SV-2	500	2.7L Can	12/15/20	338342	L2055069-02	Pass	-29.4	-6.5	-	-	-	-
L2057104-03	SV-3	0245	Flow 5	12/15/20	338342		-	-	-	Pass	4.5	4.3	5
L2057104-03	SV-3	2179	2.7L Can	12/15/20	338342	L2055390-02	Pass	-29.3	-9.4	-	-	-	-
L2057104-04	SV-4	01658	Flow 4	12/15/20	338342		-	-	-	Pass	4.5	4.6	2
L2057104-04	SV-4	2245	2.7L Can	12/15/20	338342	L2055390-02	Pass	-29.3	-10.7	-	-	-	-
L2057104-05	SV-5	0950	Flow 4	12/15/20	338342		-	-	-	Pass	4.5	4.8	6
L2057104-05	SV-5	407	2.7L Can	12/15/20	338342	L2055069-02	Pass	-29.3	-7.1	-	-	-	-
L2057104-06	SV-6	01720	Flow 5	12/15/20	338342		-	-	-	Pass	4.5	4.3	5
L2057104-06	SV-6	3417	2.7L Can	12/15/20	338342	L2055390-02	Pass	-29.1	-10.8	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2055069
Report Date: 12/30/20

Air Canister Certification Results

Lab ID: L2055069-02
 Client ID: CAN 530 SHELF 2
 Sample Location:

Date Collected: 12/09/20 16:00
 Date Received: 12/10/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/10/20 18:29
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2055069
Report Date: 12/30/20

Air Canister Certification Results

Lab ID: L2055069-02
 Client ID: CAN 530 SHELF 2
 Sample Location:

Date Collected: 12/09/20 16:00
 Date Received: 12/10/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2055069
Report Date: 12/30/20

Air Canister Certification Results

Lab ID: L2055069-02
 Client ID: CAN 530 SHELF 2
 Sample Location:

Date Collected: 12/09/20 16:00
 Date Received: 12/10/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2055069
Report Date: 12/30/20

Air Canister Certification Results

Lab ID: L2055069-02
 Client ID: CAN 530 SHELF 2
 Sample Location:

Date Collected: 12/09/20 16:00
 Date Received: 12/10/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2055069
Report Date: 12/30/20

Air Canister Certification Results

Lab ID: L2055069-02
 Client ID: CAN 530 SHELF 2
 Sample Location:

Date Collected: 12/09/20 16:00
 Date Received: 12/10/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	74		60-140
Bromochloromethane	73		60-140
chlorobenzene-d5	73		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2055069
Report Date: 12/30/20

Air Canister Certification Results

Lab ID: L2055069-02
 Client ID: CAN 530 SHELF 2
 Sample Location:

Date Collected: 12/09/20 16:00
 Date Received: 12/10/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/10/20 18:29
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2055069
Report Date: 12/30/20

Air Canister Certification Results

Lab ID: L2055069-02
 Client ID: CAN 530 SHELF 2
 Sample Location:

Date Collected: 12/09/20 16:00
 Date Received: 12/10/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2055069
Report Date: 12/30/20

Air Canister Certification Results

Lab ID: L2055069-02
 Client ID: CAN 530 SHELF 2
 Sample Location:

Date Collected: 12/09/20 16:00
 Date Received: 12/10/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	73		60-140
bromochloromethane	72		60-140
chlorobenzene-d5	73		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2055390
Report Date: 12/30/20

Air Canister Certification Results

Lab ID: L2055390-02
 Client ID: CAN 528 SHELF 9
 Sample Location:

Date Collected: 12/10/20 16:00
 Date Received: 12/11/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/11/20 19:16
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2055390
Report Date: 12/30/20

Air Canister Certification Results

Lab ID: L2055390-02
 Client ID: CAN 528 SHELF 9
 Sample Location:

Date Collected: 12/10/20 16:00
 Date Received: 12/11/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2055390
Report Date: 12/30/20

Air Canister Certification Results

Lab ID: L2055390-02
 Client ID: CAN 528 SHELF 9
 Sample Location:

Date Collected: 12/10/20 16:00
 Date Received: 12/11/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2055390
Report Date: 12/30/20

Air Canister Certification Results

Lab ID: L2055390-02
 Client ID: CAN 528 SHELF 9
 Sample Location:

Date Collected: 12/10/20 16:00
 Date Received: 12/11/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2055390
Report Date: 12/30/20

Air Canister Certification Results

Lab ID: L2055390-02
 Client ID: CAN 528 SHELF 9
 Sample Location:

Date Collected: 12/10/20 16:00
 Date Received: 12/11/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	85		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2055390
Report Date: 12/30/20

Air Canister Certification Results

Lab ID: L2055390-02
 Client ID: CAN 528 SHELF 9
 Sample Location:

Date Collected: 12/10/20 16:00
 Date Received: 12/11/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/11/20 19:16
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2055390
Report Date: 12/30/20

Air Canister Certification Results

Lab ID: L2055390-02
 Client ID: CAN 528 SHELF 9
 Sample Location:

Date Collected: 12/10/20 16:00
 Date Received: 12/11/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2055390
Report Date: 12/30/20

Air Canister Certification Results

Lab ID: L2055390-02
 Client ID: CAN 528 SHELF 9
 Sample Location:

Date Collected: 12/10/20 16:00
 Date Received: 12/11/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	86		60-140

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler **Custody Seal**
N/A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2057104-01A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L2057104-02A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L2057104-03A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L2057104-04A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L2057104-05A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L2057104-06A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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: Data Usability Report



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

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.

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- 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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

Data Qualifiers

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.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2057104
Report Date: 12/30/20

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

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

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

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

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

Mansfield Facility

SM 2540D: TSS

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

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

EPA TO-12 Non-methane organics

EPA 3C Fixed 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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

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

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

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

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

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

Mansfield Facility:

Drinking Water

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

EPA 522.

Non-Potable Water

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

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

EPA 245.1 Hg.

SM2340B

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



AIR ANALYSIS

CHAIN OF CUSTODY

PAGE 1 OF 1

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

Client Information
 Client: Raxx Env. Eng & Geo., DPC
 Address: 209 Shafter Street, Islandia, NY 11749
 Phone: (631) 630-2372
 Fax:
 Email: rlombino@raxxinc.com

Project Information
 Project Name: Mt. Vernon
 Project Location: 155 Macquesten Pkwy Tny, Mt Vernon, NY
 Project #: 2908-00084000
 Project Manager: Ronald Lombino
 ALPHA Quote #: 13383

Turn-Around Time
 Standard RUSH (only confirmed if pre-approved)
 Date Due: _____ Time: _____

Date Rec'd in Lab: 12-22-20
Report Information - Data Deliverables
 FAX
 ADEX
 Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
 Other Formats: _____
 EMAIL (standard pdf report)
 Additional Deliverables: Category B data deliverable
 Report to: (if different than Project Manager)

ALPHA Job #: L2057104
Billing Information
 Same as Client Info PO #: _____

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

These samples have been previously analyzed by Alpha
 Other Project Specific Requirements/Comments:
 Project-Specific Target Compound List:

ANALYSIS

TO-15
 TO-15 SIM
 APH Substrate Non-petroleum HCs
 Fixed Gases
 Sulfides & Mercaptans by TO-15

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION					Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum											
<u>57104-01</u>	<u>SV-1</u>	<u>12/21/2020</u>	<u>0835</u>	<u>1557</u>	<u>-30.27</u>	<u>-7.96</u>	<u>SV</u>	<u>MN</u>	<u>2.7L</u>	<u>2464</u>	<u>0616</u>	<u>X</u>					
<u>02</u>	<u>SV-2</u>		<u>0813</u>	<u>1550</u>	<u>-29.99</u>	<u>-7.82</u>				<u>500</u>	<u>01728</u>	<u>X</u>					
<u>03</u>	<u>SV-3</u>		<u>0925</u>	<u>1611</u>	<u>-30.34</u>	<u>-10.17</u>				<u>2179</u>	<u>0245</u>	<u>X</u>					
<u>04</u>	<u>SV-4</u>		<u>0914</u>	<u>1614</u>	<u>-29.81</u>	<u>-10.82</u>				<u>2245</u>	<u>01658</u>	<u>X</u>					
<u>05</u>	<u>SV-5</u>		<u>0859</u>	<u>1605</u>	<u>-30.49</u>	<u>-7.90</u>				<u>407</u>	<u>0950</u>	<u>X</u>					
<u>06</u>	<u>SV-6</u>		<u>0938</u>	<u>1620</u>	<u>-30.33</u>	<u>-11.46</u>				<u>3417</u>	<u>01720</u>	<u>X</u>					

***SAMPLE MATRIX CODES**

AA = Ambient Air (Indoor/Outdoor)
 SV = Soil Vapor/Landfill Gas/SVE
 Other = Please Specify

Container Type: Summa Canister

Relinquished By: Maryca Norton
Roger Vogel
 Date/Time: 12/21/20 1630
12/21/20 000

Received By: Roger Vogel
 Date/Time: 12/21/20 1630

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

12-22-20 0500



ANALYTICAL REPORT

Lab Number:	L2168471
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Ronald Lombino
Phone:	(631) 630-2372
Project Name:	MT. VERNON
Project Number:	2908.0008Y000
Report Date:	12/17/21

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

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

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



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2168471-01	SB-17_(0-2)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/13/21 10:00	12/13/21
L2168471-02	SB-17_(21-23)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/13/21 10:15	12/13/21
L2168471-03	TW-4	WATER	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/13/21 11:20	12/13/21
L2168471-04	SB-12_(0-2)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/13/21 12:20	12/13/21
L2168471-05	SB-12_(5-7)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/13/21 12:30	12/13/21
L2168471-06	SB-13_(0-2)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/13/21 13:20	12/13/21
L2168471-07	SB-13_(5-7)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/13/21 13:30	12/13/21
L2168471-08	SB-15_(0-2)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/13/21 14:20	12/13/21
L2168471-09	SB-15_(6-8)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/13/21 14:30	12/13/21

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

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: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

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

L2168471-06: The surrogate recovery was outside the acceptance criteria for 4-bromofluorobenzene (132%); however, re-analysis achieved a similar result: 4-bromofluorobenzene (131%). The results of both analyses are reported.

L2168471-08: The internal standard (IS) response for 1,4-dichlorobenzene-d4 (44%) and the surrogate recovery for 4-bromofluorobenzene (142%) were outside the acceptance criteria; however, re-analysis achieved the following result: 4-bromofluorobenzene (138%). The results of both analyses are reported.

Semivolatile Organics

L2168471-01D, -08D, and -09D: The sample has elevated detection limits due to the dilution required by the sample matrix.

L2168471-06D: The sample has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

L2168471-06D: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%), and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

The WG1583270-2/-3 LCS/LCSD recoveries, associated with L2168471-01D, -02, -05, -06D, -07, -08D, and -09D, are below the acceptance criteria for 2,4-dinitrophenol (2%/0%), 4,6-dinitro-o-cresol (6%/4%), and benzoic acid (4%/5%); however, they have been identified as "difficult" analytes. The results of the associated samples are reported.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Case Narrative (continued)

Total Metals

L2168471-01, -02, and -04 through -09: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Dissolved Metals

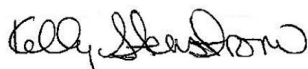
The WG1583665-3 MS recovery for sodium (50%), performed on L2168471-03, does not apply because the sample concentration is greater than four times the spike amount added.

The WG1583665-4 Laboratory Duplicate RPD for copper (25%), performed on L2168471-03, is above the acceptance criteria; however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

The WG1583665-4 Laboratory Duplicate RPD for iron (24%), performed on L2168471-03, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

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

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 12/17/21

ORGANICS

VOLATILES

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-01
 Client ID: SB-17_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 10:00
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/15/21 13:16
 Analyst: AJK
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	0.23	J	ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	1.5		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	0.22	J	ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.4	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-01
Client ID: SB-17_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 10:00
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.24	J	ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	0.80	J	ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	13		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.22	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.77	1
Acrylonitrile	ND		ug/kg	4.7	1.4	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-01
Client ID: SB-17_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 10:00
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.39	1
1,4-Dioxane	ND		ug/kg	94	41.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.22	1
Ethyl ether	ND		ug/kg	2.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	125		70-130
Dibromofluoromethane	98		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-02
 Client ID: SB-17_(21-23)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 10:15
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/15/21 13:41
 Analyst: AJK
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	0.19	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	0.21	J	ug/kg	0.55	0.21	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	0.54	J	ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-02
Client ID: SB-17_(21-23)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 10:15
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	1.7	J	ug/kg	2.2	0.61	1
o-Xylene	0.62	J	ug/kg	1.1	0.32	1
Xylenes, Total	2.3	J	ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	18		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.2	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-02
Client ID: SB-17_(21-23)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 10:15
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	97		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-03
Client ID: TW-4
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 11:20
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/15/21 22:02
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.77	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.70		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-03
 Client ID: TW-4
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 11:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.62		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.2	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-03
Client ID: TW-4
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 11:20
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

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

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-04
Client ID: SB-12_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 12:20
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/15/21 14:06
Analyst: AJK
Percent Solids: 82%

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
1,3-Dichloropropene, Total	ND		ug/kg	0.66	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.3	0.32	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	0.33	J	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	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-04
Client ID: SB-12_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 12:20
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
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	0.26	1
p/m-Xylene	1.0	J	ug/kg	2.6	0.74	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	1.0	J	ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.31	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	32		ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	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
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	0.94	J	ug/kg	5.3	0.86	1
Acrylonitrile	ND		ug/kg	5.3	1.5	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-04
Client ID: SB-12_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 12:20
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	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
1,4-Dioxane	ND		ug/kg	100	46.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.51	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	129		70-130
Dibromofluoromethane	80		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-05
Client ID: SB-12_(5-7)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 12:30
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/15/21 14:31
Analyst: AJK
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.23	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	0.29	J	ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-05
Client ID: SB-12_(5-7)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 12:30
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	0.78	J	ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	0.78	J	ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	150		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	35		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-05
Client ID: SB-12_(5-7)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 12:30
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	95	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	124		70-130
Dibromofluoromethane	97		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-06
 Client ID: SB-13_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/15/21 14:56
 Analyst: AJK
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.89	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	0.21	1
Bromodichloromethane	ND		ug/kg	0.64	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.64	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.1	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	0.21	1
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	ND		ug/kg	1.3	0.69	1
Ethylbenzene	0.20	J	ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.6	0.74	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-06
 Client ID: SB-13_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.64	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.72	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.30	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	23		ug/kg	13	6.2	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
Vinyl acetate	ND		ug/kg	13	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.64	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.18	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.24	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.1	0.83	1
Acrylonitrile	ND		ug/kg	5.1	1.5	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-06
Client ID: SB-13_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:20
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
1,4-Dioxane	ND		ug/kg	100	45.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.49	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.24	1
Ethyl ether	ND		ug/kg	2.6	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	132	Q	70-130
Dibromofluoromethane	96		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-06 R
 Client ID: SB-13_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/15/21 22:31
 Analyst: JC
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.89	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	0.21	1
Bromodichloromethane	ND		ug/kg	0.64	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.64	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.1	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	0.21	1
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	ND		ug/kg	1.3	0.69	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.6	0.74	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-06 R
 Client ID: SB-13_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.64	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.71	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.17	1
Dibromomethane	ND		ug/kg	2.6	0.30	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	25		ug/kg	13	6.1	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
Vinyl acetate	ND		ug/kg	13	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.64	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.18	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.24	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.1	0.83	1
Acrylonitrile	ND		ug/kg	5.1	1.5	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-06 R
 Client ID: SB-13_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
1,4-Dioxane	ND		ug/kg	100	45.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.22	1
p-Ethyltoluene	ND		ug/kg	2.6	0.49	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.24	1
Ethyl ether	ND		ug/kg	2.6	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	131	Q	70-130
Dibromofluoromethane	96		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-07
Client ID: SB-13_(5-7)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:30
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/15/21 15:21
Analyst: AJK
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	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	ND		ug/kg	4.5	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
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.5	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	0.30	J	ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	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	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-07
 Client ID: SB-13_(5-7)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:30
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
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	1.6	J	ug/kg	2.3	0.64	1
o-Xylene	0.56	J	ug/kg	1.1	0.33	1
Xylenes, Total	2.2	J	ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.3	0.13	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.5	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.5	0.74	1
Acrylonitrile	ND		ug/kg	4.5	1.3	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-07
Client ID: SB-13_(5-7)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:30
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.36	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
1,4-Dioxane	ND		ug/kg	91	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	121		70-130
Dibromofluoromethane	96		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-08
Client ID: SB-15_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:20
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/15/21 15:46
Analyst: AJK
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.9	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.1	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.37	1
Tetrachloroethene	1.1		ug/kg	0.69	0.27	1
Chlorobenzene	ND		ug/kg	0.69	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.96	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.69	0.23	1
Bromodichloromethane	ND		ug/kg	0.69	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	0.69	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.69	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.69	0.22	1
Bromoform	ND		ug/kg	5.5	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.69	0.23	1
Benzene	ND		ug/kg	0.69	0.23	1
Toluene	ND		ug/kg	1.4	0.75	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.5	1.3	1
Bromomethane	ND		ug/kg	2.8	0.80	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.8	0.63	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-08
Client ID: SB-15_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:20
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.69	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.78	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.8	0.33	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	11	J	ug/kg	14	6.7	1
Carbon disulfide	ND		ug/kg	14	6.3	1
2-Butanone	ND		ug/kg	14	3.1	1
Vinyl acetate	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.8	0.18	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.8	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.8	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.39	1
1,3-Dichloropropane	ND		ug/kg	2.8	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.69	0.18	1
Bromobenzene	ND		ug/kg	2.8	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.8	0.16	1
o-Chlorotoluene	ND		ug/kg	2.8	0.26	1
p-Chlorotoluene	ND		ug/kg	2.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.5	0.90	1
Acrylonitrile	ND		ug/kg	5.5	1.6	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-08
Client ID: SB-15_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:20
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.45	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	0.46	1
1,4-Dioxane	ND		ug/kg	110	49.	1
p-Diethylbenzene	ND		ug/kg	2.8	0.24	1
p-Ethyltoluene	ND		ug/kg	2.8	0.53	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.8	0.26	1
Ethyl ether	ND		ug/kg	2.8	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.9	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	142	Q	70-130
Dibromofluoromethane	98		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-08 R
 Client ID: SB-15_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/15/21 22:56
 Analyst: JC
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.3	3.3	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.21	1
Chloroform	ND		ug/kg	2.2	0.20	1
Carbon tetrachloride	ND		ug/kg	1.5	0.34	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.18	1
Dibromochloromethane	ND		ug/kg	1.5	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39	1
Tetrachloroethene	0.96		ug/kg	0.73	0.29	1
Chlorobenzene	ND		ug/kg	0.73	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.8	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/kg	0.73	0.24	1
Bromodichloromethane	ND		ug/kg	0.73	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.40	1
cis-1,3-Dichloropropene	ND		ug/kg	0.73	0.23	1
1,3-Dichloropropene, Total	ND		ug/kg	0.73	0.23	1
1,1-Dichloropropene	ND		ug/kg	0.73	0.23	1
Bromoform	ND		ug/kg	5.8	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.73	0.24	1
Benzene	ND		ug/kg	0.73	0.24	1
Toluene	ND		ug/kg	1.5	0.79	1
Ethylbenzene	0.24	J	ug/kg	1.5	0.20	1
Chloromethane	ND		ug/kg	5.8	1.4	1
Bromomethane	ND		ug/kg	2.9	0.85	1
Vinyl chloride	ND		ug/kg	1.5	0.49	1
Chloroethane	ND		ug/kg	2.9	0.66	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-08 R
 Client ID: SB-15_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.73	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	0.25	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.29	1
p/m-Xylene	ND		ug/kg	2.9	0.82	1
o-Xylene	ND		ug/kg	1.5	0.42	1
Xylenes, Total	ND		ug/kg	1.5	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.26	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.20	1
Dibromomethane	ND		ug/kg	2.9	0.35	1
Styrene	ND		ug/kg	1.5	0.29	1
Dichlorodifluoromethane	ND		ug/kg	15	1.3	1
Acetone	ND		ug/kg	15	7.0	1
Carbon disulfide	ND		ug/kg	15	6.6	1
2-Butanone	ND		ug/kg	15	3.2	1
Vinyl acetate	ND		ug/kg	15	3.1	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	2.9	0.18	1
2-Hexanone	ND		ug/kg	15	1.7	1
Bromochloromethane	ND		ug/kg	2.9	0.30	1
2,2-Dichloropropane	ND		ug/kg	2.9	0.29	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.41	1
1,3-Dichloropropane	ND		ug/kg	2.9	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.73	0.19	1
Bromobenzene	ND		ug/kg	2.9	0.21	1
n-Butylbenzene	ND		ug/kg	1.5	0.24	1
sec-Butylbenzene	ND		ug/kg	1.5	0.21	1
tert-Butylbenzene	ND		ug/kg	2.9	0.17	1
o-Chlorotoluene	ND		ug/kg	2.9	0.28	1
p-Chlorotoluene	ND		ug/kg	2.9	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.25	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.16	1
Naphthalene	ND		ug/kg	5.8	0.95	1
Acrylonitrile	ND		ug/kg	5.8	1.7	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-08 R
 Client ID: SB-15_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.25	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.40	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	0.28	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	0.49	1
1,4-Dioxane	ND		ug/kg	120	51.	1
p-Diethylbenzene	ND		ug/kg	2.9	0.26	1
p-Ethyltoluene	ND		ug/kg	2.9	0.56	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.9	0.28	1
Ethyl ether	ND		ug/kg	2.9	0.50	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.3	2.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	114		70-130
4-Bromofluorobenzene	138	Q	70-130
Dibromofluoromethane	98		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-09
 Client ID: SB-15_(6-8)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:30
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/15/21 16:11
 Analyst: AJK
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	0.63		ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.84	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.61	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.61	0.19	1
Bromoform	ND		ug/kg	4.8	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	ND		ug/kg	0.61	0.20	1
Toluene	ND		ug/kg	1.2	0.66	1
Ethylbenzene	0.26	J	ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-09
Client ID: SB-15_(6-8)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:30
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.61	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.4	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	17		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.61	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.79	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-09
Client ID: SB-15_(6-8)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:30
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	97	43.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.22	1
p-Ethyltoluene	ND		ug/kg	2.4	0.47	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	129		70-130
Dibromofluoromethane	98		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/15/21 10:21
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04-09 Batch: WG1583941-5					
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
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-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

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/15/21 10:21
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04-09 Batch: WG1583941-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	0.68	J	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
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
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
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/15/21 10:21
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04-09 Batch: WG1583941-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
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
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
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
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	93		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/15/21 22:06
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06,08 Batch: WG1584167-5					
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
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-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

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/15/21 22:06
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06,08 Batch: WG1584167-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
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
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
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
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 12/15/21 22:06
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06,08 Batch: WG1584167-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
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
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
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
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	94		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/15/21 19:20
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1584270-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/15/21 19:20
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1584270-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/15/21 19:20
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1584270-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04-09 Batch: WG1583941-3 WG1583941-4								
Methylene chloride	90		91		70-130	1		30
1,1-Dichloroethane	102		103		70-130	1		30
Chloroform	93		94		70-130	1		30
Carbon tetrachloride	100		102		70-130	2		30
1,2-Dichloropropane	100		102		70-130	2		30
Dibromochloromethane	95		96		70-130	1		30
1,1,2-Trichloroethane	99		101		70-130	2		30
Tetrachloroethene	109		107		70-130	2		30
Chlorobenzene	103		101		70-130	2		30
Trichlorofluoromethane	64	Q	65	Q	70-139	2		30
1,2-Dichloroethane	99		101		70-130	2		30
1,1,1-Trichloroethane	102		102		70-130	0		30
Bromodichloromethane	100		102		70-130	2		30
trans-1,3-Dichloropropene	114		114		70-130	0		30
cis-1,3-Dichloropropene	104		105		70-130	1		30
1,1-Dichloropropene	101		102		70-130	1		30
Bromoform	105		109		70-130	4		30
1,1,2,2-Tetrachloroethane	103		108		70-130	5		30
Benzene	98		98		70-130	0		30
Toluene	104		102		70-130	2		30
Ethylbenzene	104		102		70-130	2		30
Chloromethane	130		130		52-130	0		30
Bromomethane	60		59		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04-09 Batch: WG1583941-3 WG1583941-4								
Vinyl chloride	91		92		67-130	1		30
Chloroethane	67		67		50-151	0		30
1,1-Dichloroethene	98		100		65-135	2		30
trans-1,2-Dichloroethene	97		98		70-130	1		30
Trichloroethene	97		97		70-130	0		30
1,2-Dichlorobenzene	101		100		70-130	1		30
1,3-Dichlorobenzene	102		99		70-130	3		30
1,4-Dichlorobenzene	100		98		70-130	2		30
Methyl tert butyl ether	100		104		66-130	4		30
p/m-Xylene	103		100		70-130	3		30
o-Xylene	102		100		70-130	2		30
cis-1,2-Dichloroethene	96		95		70-130	1		30
Dibromomethane	91		94		70-130	3		30
Styrene	88		86		70-130	2		30
Dichlorodifluoromethane	110		110		30-146	0		30
Acetone	114		122		54-140	7		30
Carbon disulfide	97		98		59-130	1		30
2-Butanone	106		112		70-130	6		30
Vinyl acetate	116		120		70-130	3		30
4-Methyl-2-pentanone	111		115		70-130	4		30
1,2,3-Trichloropropane	100		106		68-130	6		30
2-Hexanone	118		123		70-130	4		30
Bromochloromethane	89		90		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04-09 Batch: WG1583941-3 WG1583941-4								
2,2-Dichloropropane	103		104		70-130	1		30
1,2-Dibromoethane	102		103		70-130	1		30
1,3-Dichloropropane	103		103		69-130	0		30
1,1,1,2-Tetrachloroethane	107		105		70-130	2		30
Bromobenzene	106		106		70-130	0		30
n-Butylbenzene	106		104		70-130	2		30
sec-Butylbenzene	107		107		70-130	0		30
tert-Butylbenzene	106		107		70-130	1		30
o-Chlorotoluene	128		129		70-130	1		30
p-Chlorotoluene	110		109		70-130	1		30
1,2-Dibromo-3-chloropropane	106		113		68-130	6		30
Hexachlorobutadiene	125		123		67-130	2		30
Isopropylbenzene	108		109		70-130	1		30
p-Isopropyltoluene	106		104		70-130	2		30
Naphthalene	101		105		70-130	4		30
Acrylonitrile	112		117		70-130	4		30
n-Propylbenzene	107		108		70-130	1		30
1,2,3-Trichlorobenzene	109		108		70-130	1		30
1,2,4-Trichlorobenzene	112		106		70-130	6		30
1,3,5-Trimethylbenzene	106		106		70-130	0		30
1,2,4-Trimethylbenzene	104		103		70-130	1		30
1,4-Dioxane	118		122		65-136	3		30
p-Diethylbenzene	106		104		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04-09 Batch: WG1583941-3 WG1583941-4								
p-Ethyltoluene	106		106		70-130	0		30
1,2,4,5-Tetramethylbenzene	109		108		70-130	1		30
Ethyl ether	100		104		67-130	4		30
trans-1,4-Dichloro-2-butene	128		134	Q	70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		104		70-130
Toluene-d8	106		105		70-130
4-Bromofluorobenzene	110		113		70-130
Dibromofluoromethane	94		94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06,08 Batch: WG1584167-3 WG1584167-4								
Methylene chloride	93		91		70-130	2		30
1,1-Dichloroethane	110		105		70-130	5		30
Chloroform	99		95		70-130	4		30
Carbon tetrachloride	108		102		70-130	6		30
1,2-Dichloropropane	106		104		70-130	2		30
Dibromochloromethane	96		95		70-130	1		30
1,1,2-Trichloroethane	102		104		70-130	2		30
Tetrachloroethene	112		107		70-130	5		30
Chlorobenzene	108		105		70-130	3		30
Trichlorofluoromethane	70		64	Q	70-139	9		30
1,2-Dichloroethane	102		102		70-130	0		30
1,1,1-Trichloroethane	110		104		70-130	6		30
Bromodichloromethane	105		103		70-130	2		30
trans-1,3-Dichloropropene	120		119		70-130	1		30
cis-1,3-Dichloropropene	109		107		70-130	2		30
1,1-Dichloropropene	111		105		70-130	6		30
Bromoform	101		102		70-130	1		30
1,1,1,2-Tetrachloroethane	108		110		70-130	2		30
Benzene	105		101		70-130	4		30
Toluene	112		107		70-130	5		30
Ethylbenzene	112		108		70-130	4		30
Chloromethane	144	Q	135	Q	52-130	6		30
Bromomethane	66		60		57-147	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06,08 Batch: WG1584167-3 WG1584167-4								
Vinyl chloride	100		91		67-130	9		30
Chloroethane	72		66		50-151	9		30
1,1-Dichloroethene	106		99		65-135	7		30
trans-1,2-Dichloroethene	104		98		70-130	6		30
Trichloroethene	103		98		70-130	5		30
1,2-Dichlorobenzene	103		102		70-130	1		30
1,3-Dichlorobenzene	106		103		70-130	3		30
1,4-Dichlorobenzene	104		102		70-130	2		30
Methyl tert butyl ether	103		104		66-130	1		30
p/m-Xylene	110		106		70-130	4		30
o-Xylene	108		105		70-130	3		30
cis-1,2-Dichloroethene	100		97		70-130	3		30
Dibromomethane	93		94		70-130	1		30
Styrene	92		90		70-130	2		30
Dichlorodifluoromethane	124		112		30-146	10		30
Acetone	118		120		54-140	2		30
Carbon disulfide	107		100		59-130	7		30
2-Butanone	108		119		70-130	10		30
Vinyl acetate	124		126		70-130	2		30
4-Methyl-2-pentanone	112		119		70-130	6		30
1,2,3-Trichloropropane	105		107		68-130	2		30
2-Hexanone	120		129		70-130	7		30
Bromochloromethane	88		87		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06,08 Batch: WG1584167-3 WG1584167-4								
2,2-Dichloropropane	115		109		70-130	5		30
1,2-Dibromoethane	103		105		70-130	2		30
1,3-Dichloropropane	107		108		69-130	1		30
1,1,1,2-Tetrachloroethane	107		106		70-130	1		30
Bromobenzene	106		104		70-130	2		30
n-Butylbenzene	121		116		70-130	4		30
sec-Butylbenzene	118		113		70-130	4		30
tert-Butylbenzene	114		110		70-130	4		30
o-Chlorotoluene	119		116		70-130	3		30
p-Chlorotoluene	120		116		70-130	3		30
1,2-Dibromo-3-chloropropane	102		108		68-130	6		30
Hexachlorobutadiene	128		124		67-130	3		30
Isopropylbenzene	119		114		70-130	4		30
p-Isopropyltoluene	116		111		70-130	4		30
Naphthalene	103		106		70-130	3		30
Acrylonitrile	114		119		70-130	4		30
n-Propylbenzene	120		115		70-130	4		30
1,2,3-Trichlorobenzene	110		108		70-130	2		30
1,2,4-Trichlorobenzene	116		116		70-130	0		30
1,3,5-Trimethylbenzene	115		111		70-130	4		30
1,2,4-Trimethylbenzene	113		109		70-130	4		30
1,4-Dioxane	87		93		65-136	7		30
p-Diethylbenzene	117		111		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06,08 Batch: WG1584167-3 WG1584167-4								
p-Ethyltoluene	118		112		70-130	5		30
1,2,4,5-Tetramethylbenzene	118		115		70-130	3		30
Ethyl ether	103		103		67-130	0		30
trans-1,4-Dichloro-2-butene	139	Q	142	Q	70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		106		70-130
Toluene-d8	109		109		70-130
4-Bromofluorobenzene	116		116		70-130
Dibromofluoromethane	94		93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1584270-3 WG1584270-4								
Methylene chloride	98		99		70-130	1		20
1,1-Dichloroethane	99		100		70-130	1		20
Chloroform	94		93		70-130	1		20
Carbon tetrachloride	99		100		63-132	1		20
1,2-Dichloropropane	97		99		70-130	2		20
Dibromochloromethane	93		94		63-130	1		20
1,1,2-Trichloroethane	95		97		70-130	2		20
Tetrachloroethene	98		99		70-130	1		20
Chlorobenzene	97		98		75-130	1		20
Trichlorofluoromethane	99		100		62-150	1		20
1,2-Dichloroethane	92		94		70-130	2		20
1,1,1-Trichloroethane	97		98		67-130	1		20
Bromodichloromethane	94		96		67-130	2		20
trans-1,3-Dichloropropene	94		96		70-130	2		20
cis-1,3-Dichloropropene	96		97		70-130	1		20
1,1-Dichloropropene	98		100		70-130	2		20
Bromoform	92		92		54-136	0		20
1,1,1,2,2-Tetrachloroethane	93		93		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	97		99		70-130	2		20
Ethylbenzene	96		98		70-130	2		20
Chloromethane	82		83		64-130	1		20
Bromomethane	68		76		39-139	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1584270-3 WG1584270-4								
Vinyl chloride	100		100		55-140	0		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	99		100		70-130	1		20
1,2-Dichlorobenzene	94		96		70-130	2		20
1,3-Dichlorobenzene	95		96		70-130	1		20
1,4-Dichlorobenzene	95		97		70-130	2		20
Methyl tert butyl ether	94		95		63-130	1		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	96		96		70-130	0		20
1,2,3-Trichloropropane	84		86		64-130	2		20
Acrylonitrile	90		94		70-130	4		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	96		98		36-147	2		20
Acetone	80		79		58-148	1		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	80		87		63-138	8		20
Vinyl acetate	93		92		70-130	1		20
4-Methyl-2-pentanone	84		88		59-130	5		20
2-Hexanone	84		88		57-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1584270-3 WG1584270-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	94		98		70-130	4		20
1,3-Dichloropropane	95		96		70-130	1		20
1,1,1,2-Tetrachloroethane	93		97		64-130	4		20
Bromobenzene	99		98		70-130	1		20
n-Butylbenzene	98		98		53-136	0		20
sec-Butylbenzene	96		97		70-130	1		20
tert-Butylbenzene	96		98		70-130	2		20
o-Chlorotoluene	96		96		70-130	0		20
p-Chlorotoluene	95		96		70-130	1		20
1,2-Dibromo-3-chloropropane	82		86		41-144	5		20
Hexachlorobutadiene	97		100		63-130	3		20
Isopropylbenzene	98		98		70-130	0		20
p-Isopropyltoluene	97		99		70-130	2		20
Naphthalene	88		90		70-130	2		20
n-Propylbenzene	97		98		69-130	1		20
1,2,3-Trichlorobenzene	89		91		70-130	2		20
1,2,4-Trichlorobenzene	90		93		70-130	3		20
1,3,5-Trimethylbenzene	95		97		64-130	2		20
1,2,4-Trimethylbenzene	95		97		70-130	2		20
1,4-Dioxane	98		94		56-162	4		20
p-Diethylbenzene	96		98		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1584270-3 WG1584270-4								
p-Ethyltoluene	96		98		70-130	2		20
1,2,4,5-Tetramethylbenzene	93		95		70-130	2		20
Ethyl ether	97		99		59-134	2		20
trans-1,4-Dichloro-2-butene	84		81		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		96		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	101		103		70-130

SEMIVOLATILES

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-01 D
 Client ID: SB-17_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 10:00
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/15/21 18:30
 Analyst: ALS
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 12/14/21 16:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	1500	190	10
1,2,4-Trichlorobenzene	ND		ug/kg	1900	210	10
Hexachlorobenzene	ND		ug/kg	1100	210	10
Bis(2-chloroethyl)ether	ND		ug/kg	1700	250	10
2-Chloronaphthalene	ND		ug/kg	1900	190	10
1,2-Dichlorobenzene	ND		ug/kg	1900	340	10
1,3-Dichlorobenzene	ND		ug/kg	1900	320	10
1,4-Dichlorobenzene	ND		ug/kg	1900	330	10
3,3'-Dichlorobenzidine	ND		ug/kg	1900	500	10
2,4-Dinitrotoluene	ND		ug/kg	1900	380	10
2,6-Dinitrotoluene	ND		ug/kg	1900	320	10
Fluoranthene	550	J	ug/kg	1100	220	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1900	200	10
4-Bromophenyl phenyl ether	ND		ug/kg	1900	290	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2200	320	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2000	190	10
Hexachlorobutadiene	ND		ug/kg	1900	270	10
Hexachlorocyclopentadiene	ND		ug/kg	5400	1700	10
Hexachloroethane	ND		ug/kg	1500	300	10
Isophorone	ND		ug/kg	1700	240	10
Naphthalene	ND		ug/kg	1900	230	10
Nitrobenzene	ND		ug/kg	1700	280	10
NDPA/DPA	ND		ug/kg	1500	210	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1900	290	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1900	650	10
Butyl benzyl phthalate	ND		ug/kg	1900	470	10
Di-n-butylphthalate	ND		ug/kg	1900	360	10
Di-n-octylphthalate	ND		ug/kg	1900	640	10

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-01 D
 Client ID: SB-17_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 10:00
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1900	170	10
Dimethyl phthalate	ND		ug/kg	1900	390	10
Benzo(a)anthracene	420	J	ug/kg	1100	210	10
Benzo(a)pyrene	550	J	ug/kg	1500	460	10
Benzo(b)fluoranthene	700	J	ug/kg	1100	320	10
Benzo(k)fluoranthene	ND		ug/kg	1100	300	10
Chrysene	520	J	ug/kg	1100	200	10
Acenaphthylene	370	J	ug/kg	1500	290	10
Anthracene	ND		ug/kg	1100	370	10
Benzo(ghi)perylene	450	J	ug/kg	1500	220	10
Fluorene	ND		ug/kg	1900	180	10
Phenanthrene	ND		ug/kg	1100	230	10
Dibenzo(a,h)anthracene	ND		ug/kg	1100	220	10
Indeno(1,2,3-cd)pyrene	410	J	ug/kg	1500	260	10
Pyrene	680	J	ug/kg	1100	190	10
Biphenyl	ND		ug/kg	4300	440	10
4-Chloroaniline	ND		ug/kg	1900	340	10
2-Nitroaniline	ND		ug/kg	1900	360	10
3-Nitroaniline	ND		ug/kg	1900	350	10
4-Nitroaniline	ND		ug/kg	1900	780	10
Dibenzofuran	ND		ug/kg	1900	180	10
2-Methylnaphthalene	ND		ug/kg	2200	230	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1900	200	10
Acetophenone	ND		ug/kg	1900	230	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	360	10
p-Chloro-m-cresol	ND		ug/kg	1900	280	10
2-Chlorophenol	ND		ug/kg	1900	220	10
2,4-Dichlorophenol	ND		ug/kg	1700	300	10
2,4-Dimethylphenol	ND		ug/kg	1900	620	10
2-Nitrophenol	ND		ug/kg	4000	710	10
4-Nitrophenol	ND		ug/kg	2600	770	10
2,4-Dinitrophenol	ND		ug/kg	9000	880	10
4,6-Dinitro-o-cresol	ND		ug/kg	4900	900	10
Pentachlorophenol	ND		ug/kg	1500	410	10
Phenol	ND		ug/kg	1900	280	10
2-Methylphenol	ND		ug/kg	1900	290	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2700	290	10

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-01 D
 Client ID: SB-17_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 10:00
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1900	360	10
Benzoic Acid	ND		ug/kg	6100	1900	10
Benzyl Alcohol	ND		ug/kg	1900	570	10
Carbazole	ND		ug/kg	1900	180	10
1,4-Dioxane	ND		ug/kg	280	86.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	44		30-120
2,4,6-Tribromophenol	46		10-136
4-Terphenyl-d14	36		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-02
 Client ID: SB-17_(21-23)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 10:15
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/15/21 17:20
 Analyst: ALS
 Percent Solids: 82%

Extraction Method: EPA 3546
 Extraction Date: 12/14/21 16:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-02
 Client ID: SB-17_(21-23)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 10:15
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-02
Client ID: SB-17_(21-23)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 10:15
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	58		10-136
4-Terphenyl-d14	49		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-03
Client ID: TW-4
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 11:20
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/17/21 11:33
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 12/17/21 00:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-03
Client ID: TW-4
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 11:20
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	72		41-149

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-03
 Client ID: TW-4
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 11:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 12/17/21 11:59
 Analyst: RP

Extraction Method: EPA 3510C
 Extraction Date: 12/17/21 00:18

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

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-03
 Client ID: TW-4
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 11:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	83		41-149

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-04
 Client ID: SB-12_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 12:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/17/21 11:10
 Analyst: JG
 Percent Solids: 82%

Extraction Method: EPA 3546
 Extraction Date: 12/16/21 17:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	40	J	ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	480		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	35	J	ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-04
 Client ID: SB-12_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 12:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	240		ug/kg	120	22.	1
Benzo(a)pyrene	260		ug/kg	160	48.	1
Benzo(b)fluoranthene	340		ug/kg	120	33.	1
Benzo(k)fluoranthene	100	J	ug/kg	120	32.	1
Chrysene	300		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	91	J	ug/kg	120	38.	1
Benzo(ghi)perylene	170		ug/kg	160	23.	1
Fluorene	47	J	ug/kg	200	19.	1
Phenanthrene	340		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	50	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	180		ug/kg	160	28.	1
Pyrene	450		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	32	J	ug/kg	200	19.	1
2-Methylnaphthalene	26	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	430	74.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	95.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-04
Client ID: SB-12_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 12:20
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	35	J	ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	16		10-136
4-Terphenyl-d14	67		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-05
 Client ID: SB-12_(5-7)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 12:30
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/15/21 17:44
 Analyst: ALS
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 12/14/21 16:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	20	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	1800		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	74	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-05
Client ID: SB-12_(5-7)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 12:30
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	1200		ug/kg	120	22.	1
Benzo(a)pyrene	1200		ug/kg	150	47.	1
Benzo(b)fluoranthene	1400		ug/kg	120	32.	1
Benzo(k)fluoranthene	420		ug/kg	120	31.	1
Chrysene	1200		ug/kg	120	20.	1
Acenaphthylene	150		ug/kg	150	30.	1
Anthracene	130		ug/kg	120	38.	1
Benzo(ghi)perylene	710		ug/kg	150	23.	1
Fluorene	42	J	ug/kg	190	19.	1
Phenanthrene	390		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	160		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	750		ug/kg	150	27.	1
Pyrene	2300		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	22	J	ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-05
Client ID: SB-12_(5-7)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 12:30
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	53	J	ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	56		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-06 D
 Client ID: SB-13_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/15/21 18:43
 Analyst: SZ
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 12/14/21 16:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	4600	590	30
1,2,4-Trichlorobenzene	ND		ug/kg	5700	650	30
Hexachlorobenzene	ND		ug/kg	3400	640	30
Bis(2-chloroethyl)ether	ND		ug/kg	5100	770	30
2-Chloronaphthalene	ND		ug/kg	5700	560	30
1,2-Dichlorobenzene	ND		ug/kg	5700	1000	30
1,3-Dichlorobenzene	ND		ug/kg	5700	980	30
1,4-Dichlorobenzene	ND		ug/kg	5700	1000	30
3,3'-Dichlorobenzidine	ND		ug/kg	5700	1500	30
2,4-Dinitrotoluene	ND		ug/kg	5700	1100	30
2,6-Dinitrotoluene	ND		ug/kg	5700	980	30
Fluoranthene	ND		ug/kg	3400	650	30
4-Chlorophenyl phenyl ether	ND		ug/kg	5700	610	30
4-Bromophenyl phenyl ether	ND		ug/kg	5700	870	30
Bis(2-chloroisopropyl)ether	ND		ug/kg	6800	970	30
Bis(2-chloroethoxy)methane	ND		ug/kg	6200	570	30
Hexachlorobutadiene	ND		ug/kg	5700	830	30
Hexachlorocyclopentadiene	ND		ug/kg	16000	5200	30
Hexachloroethane	ND		ug/kg	4600	920	30
Isophorone	ND		ug/kg	5100	740	30
Naphthalene	ND		ug/kg	5700	690	30
Nitrobenzene	ND		ug/kg	5100	840	30
NDPA/DPA	ND		ug/kg	4600	650	30
n-Nitrosodi-n-propylamine	ND		ug/kg	5700	880	30
Bis(2-ethylhexyl)phthalate	ND		ug/kg	5700	2000	30
Butyl benzyl phthalate	ND		ug/kg	5700	1400	30
Di-n-butylphthalate	ND		ug/kg	5700	1100	30
Di-n-octylphthalate	ND		ug/kg	5700	1900	30

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-06 D
 Client ID: SB-13_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	5700	530	30
Dimethyl phthalate	ND		ug/kg	5700	1200	30
Benzo(a)anthracene	ND		ug/kg	3400	640	30
Benzo(a)pyrene	ND		ug/kg	4600	1400	30
Benzo(b)fluoranthene	ND		ug/kg	3400	960	30
Benzo(k)fluoranthene	ND		ug/kg	3400	910	30
Chrysene	ND		ug/kg	3400	590	30
Acenaphthylene	ND		ug/kg	4600	880	30
Anthracene	ND		ug/kg	3400	1100	30
Benzo(ghi)perylene	ND		ug/kg	4600	670	30
Fluorene	ND		ug/kg	5700	550	30
Phenanthrene	ND		ug/kg	3400	690	30
Dibenzo(a,h)anthracene	ND		ug/kg	3400	660	30
Indeno(1,2,3-cd)pyrene	ND		ug/kg	4600	790	30
Pyrene	ND		ug/kg	3400	570	30
Biphenyl	ND		ug/kg	13000	1300	30
4-Chloroaniline	ND		ug/kg	5700	1000	30
2-Nitroaniline	ND		ug/kg	5700	1100	30
3-Nitroaniline	ND		ug/kg	5700	1100	30
4-Nitroaniline	ND		ug/kg	5700	2400	30
Dibenzofuran	ND		ug/kg	5700	540	30
2-Methylnaphthalene	ND		ug/kg	6800	690	30
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	5700	600	30
Acetophenone	ND		ug/kg	5700	700	30
2,4,6-Trichlorophenol	ND		ug/kg	3400	1100	30
p-Chloro-m-cresol	ND		ug/kg	5700	850	30
2-Chlorophenol	ND		ug/kg	5700	670	30
2,4-Dichlorophenol	ND		ug/kg	5100	920	30
2,4-Dimethylphenol	ND		ug/kg	5700	1900	30
2-Nitrophenol	ND		ug/kg	12000	2100	30
4-Nitrophenol	ND		ug/kg	8000	2300	30
2,4-Dinitrophenol	ND		ug/kg	27000	2600	30
4,6-Dinitro-o-cresol	ND		ug/kg	15000	2700	30
Pentachlorophenol	ND		ug/kg	4600	1200	30
Phenol	ND		ug/kg	5700	860	30
2-Methylphenol	ND		ug/kg	5700	880	30
3-Methylphenol/4-Methylphenol	ND		ug/kg	8200	890	30

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-06 D
 Client ID: SB-13_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	5700	1100	30
Benzoic Acid	ND		ug/kg	18000	5800	30
Benzyl Alcohol	ND		ug/kg	5700	1700	30
Carbazole	ND		ug/kg	5700	550	30
1,4-Dioxane	ND		ug/kg	860	260	30

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0	Q	10-136
4-Terphenyl-d14	0	Q	18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-07
 Client ID: SB-13_(5-7)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:30
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/15/21 18:07
 Analyst: ALS
 Percent Solids: 79%

Extraction Method: EPA 3546
 Extraction Date: 12/14/21 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	37.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	ND		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-07
 Client ID: SB-13_(5-7)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:30
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	ND		ug/kg	120	24.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	120	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	24.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	29.	1
Pyrene	ND		ug/kg	120	21.	1
Biphenyl	ND		ug/kg	480	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	97.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-07
 Client ID: SB-13_(5-7)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:30
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	31	9.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	71		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-08 D
 Client ID: SB-15_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/16/21 10:25
 Analyst: IM
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 12/14/21 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	1600	210	10
1,2,4-Trichlorobenzene	ND		ug/kg	2000	230	10
Hexachlorobenzene	ND		ug/kg	1200	230	10
Bis(2-chloroethyl)ether	ND		ug/kg	1800	280	10
2-Chloronaphthalene	ND		ug/kg	2000	200	10
1,2-Dichlorobenzene	ND		ug/kg	2000	370	10
1,3-Dichlorobenzene	ND		ug/kg	2000	350	10
1,4-Dichlorobenzene	ND		ug/kg	2000	360	10
3,3'-Dichlorobenzidine	ND		ug/kg	2000	540	10
2,4-Dinitrotoluene	ND		ug/kg	2000	410	10
2,6-Dinitrotoluene	ND		ug/kg	2000	350	10
Fluoranthene	ND		ug/kg	1200	230	10
4-Chlorophenyl phenyl ether	ND		ug/kg	2000	220	10
4-Bromophenyl phenyl ether	ND		ug/kg	2000	310	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2400	350	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2200	200	10
Hexachlorobutadiene	ND		ug/kg	2000	300	10
Hexachlorocyclopentadiene	ND		ug/kg	5800	1800	10
Hexachloroethane	ND		ug/kg	1600	330	10
Isophorone	ND		ug/kg	1800	260	10
Naphthalene	ND		ug/kg	2000	250	10
Nitrobenzene	ND		ug/kg	1800	300	10
NDPA/DPA	ND		ug/kg	1600	230	10
n-Nitrosodi-n-propylamine	ND		ug/kg	2000	320	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	2000	710	10
Butyl benzyl phthalate	ND		ug/kg	2000	510	10
Di-n-butylphthalate	ND		ug/kg	2000	390	10
Di-n-octylphthalate	ND		ug/kg	2000	690	10

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-08 D
 Client ID: SB-15_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	2000	190	10
Dimethyl phthalate	ND		ug/kg	2000	430	10
Benzo(a)anthracene	ND		ug/kg	1200	230	10
Benzo(a)pyrene	ND		ug/kg	1600	500	10
Benzo(b)fluoranthene	ND		ug/kg	1200	340	10
Benzo(k)fluoranthene	ND		ug/kg	1200	330	10
Chrysene	ND		ug/kg	1200	210	10
Acenaphthylene	ND		ug/kg	1600	320	10
Anthracene	ND		ug/kg	1200	400	10
Benzo(ghi)perylene	ND		ug/kg	1600	240	10
Fluorene	ND		ug/kg	2000	200	10
Phenanthrene	ND		ug/kg	1200	250	10
Dibenzo(a,h)anthracene	ND		ug/kg	1200	240	10
Indeno(1,2,3-cd)pyrene	ND		ug/kg	1600	280	10
Pyrene	ND		ug/kg	1200	200	10
Biphenyl	ND		ug/kg	4600	470	10
4-Chloroaniline	ND		ug/kg	2000	370	10
2-Nitroaniline	ND		ug/kg	2000	390	10
3-Nitroaniline	ND		ug/kg	2000	380	10
4-Nitroaniline	ND		ug/kg	2000	840	10
Dibenzofuran	ND		ug/kg	2000	190	10
2-Methylnaphthalene	ND		ug/kg	2400	250	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2000	210	10
Acetophenone	ND		ug/kg	2000	250	10
2,4,6-Trichlorophenol	ND		ug/kg	1200	390	10
p-Chloro-m-cresol	ND		ug/kg	2000	300	10
2-Chlorophenol	ND		ug/kg	2000	240	10
2,4-Dichlorophenol	ND		ug/kg	1800	330	10
2,4-Dimethylphenol	ND		ug/kg	2000	670	10
2-Nitrophenol	ND		ug/kg	4400	770	10
4-Nitrophenol	ND		ug/kg	2800	830	10
2,4-Dinitrophenol	ND		ug/kg	9800	950	10
4,6-Dinitro-o-cresol	ND		ug/kg	5300	980	10
Pentachlorophenol	ND		ug/kg	1600	450	10
Phenol	ND		ug/kg	2000	310	10
2-Methylphenol	ND		ug/kg	2000	320	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2900	320	10

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-08 D
 Client ID: SB-15_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	2000	390	10
Benzoic Acid	ND		ug/kg	6600	2100	10
Benzyl Alcohol	ND		ug/kg	2000	620	10
Carbazole	ND		ug/kg	2000	200	10
1,4-Dioxane	ND		ug/kg	310	94.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	48		10-136
4-Terphenyl-d14	47		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-09 D
 Client ID: SB-15_(6-8)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:30
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/16/21 10:01
 Analyst: IM
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 12/14/21 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	1400	180	10
1,2,4-Trichlorobenzene	ND		ug/kg	1800	200	10
Hexachlorobenzene	ND		ug/kg	1000	200	10
Bis(2-chloroethyl)ether	ND		ug/kg	1600	240	10
2-Chloronaphthalene	ND		ug/kg	1800	170	10
1,2-Dichlorobenzene	ND		ug/kg	1800	320	10
1,3-Dichlorobenzene	ND		ug/kg	1800	300	10
1,4-Dichlorobenzene	ND		ug/kg	1800	310	10
3,3'-Dichlorobenzidine	ND		ug/kg	1800	470	10
2,4-Dinitrotoluene	ND		ug/kg	1800	350	10
2,6-Dinitrotoluene	ND		ug/kg	1800	300	10
Fluoranthene	ND		ug/kg	1000	200	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1800	190	10
4-Bromophenyl phenyl ether	ND		ug/kg	1800	270	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2100	300	10
Bis(2-chloroethoxy)methane	ND		ug/kg	1900	180	10
Hexachlorobutadiene	ND		ug/kg	1800	260	10
Hexachlorocyclopentadiene	ND		ug/kg	5000	1600	10
Hexachloroethane	ND		ug/kg	1400	280	10
Isophorone	ND		ug/kg	1600	230	10
Naphthalene	ND		ug/kg	1800	210	10
Nitrobenzene	ND		ug/kg	1600	260	10
NDPA/DPA	ND		ug/kg	1400	200	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1800	270	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1800	610	10
Butyl benzyl phthalate	ND		ug/kg	1800	440	10
Di-n-butylphthalate	ND		ug/kg	1800	330	10
Di-n-octylphthalate	ND		ug/kg	1800	600	10

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-09 D
 Client ID: SB-15_(6-8)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:30
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1800	160	10
Dimethyl phthalate	ND		ug/kg	1800	370	10
Benzo(a)anthracene	ND		ug/kg	1000	200	10
Benzo(a)pyrene	ND		ug/kg	1400	430	10
Benzo(b)fluoranthene	ND		ug/kg	1000	300	10
Benzo(k)fluoranthene	ND		ug/kg	1000	280	10
Chrysene	ND		ug/kg	1000	180	10
Acenaphthylene	ND		ug/kg	1400	270	10
Anthracene	ND		ug/kg	1000	340	10
Benzo(ghi)perylene	ND		ug/kg	1400	210	10
Fluorene	ND		ug/kg	1800	170	10
Phenanthrene	ND		ug/kg	1000	210	10
Dibenzo(a,h)anthracene	ND		ug/kg	1000	200	10
Indeno(1,2,3-cd)pyrene	ND		ug/kg	1400	240	10
Pyrene	ND		ug/kg	1000	170	10
Biphenyl	ND		ug/kg	4000	410	10
4-Chloroaniline	ND		ug/kg	1800	320	10
2-Nitroaniline	ND		ug/kg	1800	340	10
3-Nitroaniline	ND		ug/kg	1800	330	10
4-Nitroaniline	ND		ug/kg	1800	730	10
Dibenzofuran	ND		ug/kg	1800	170	10
2-Methylnaphthalene	ND		ug/kg	2100	210	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	180	10
Acetophenone	ND		ug/kg	1800	220	10
2,4,6-Trichlorophenol	ND		ug/kg	1000	330	10
p-Chloro-m-cresol	ND		ug/kg	1800	260	10
2-Chlorophenol	ND		ug/kg	1800	210	10
2,4-Dichlorophenol	ND		ug/kg	1600	280	10
2,4-Dimethylphenol	ND		ug/kg	1800	580	10
2-Nitrophenol	ND		ug/kg	3800	660	10
4-Nitrophenol	ND		ug/kg	2500	720	10
2,4-Dinitrophenol	ND		ug/kg	8400	820	10
4,6-Dinitro-o-cresol	ND		ug/kg	4600	840	10
Pentachlorophenol	ND		ug/kg	1400	390	10
Phenol	ND		ug/kg	1800	260	10
2-Methylphenol	ND		ug/kg	1800	270	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2500	280	10

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-09 D
 Client ID: SB-15_(6-8)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:30
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1800	340	10
Benzoic Acid	ND		ug/kg	5700	1800	10
Benzyl Alcohol	ND		ug/kg	1800	540	10
Carbazole	ND		ug/kg	1800	170	10
1,4-Dioxane	ND		ug/kg	260	81.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		25-120
Phenol-d6	45		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	42		30-120
2,4,6-Tribromophenol	29		10-136
4-Terphenyl-d14	35		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/15/21 13:25
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 12/14/21 16:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-02,05-09 Batch: WG1583270-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/15/21 13:25
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 12/14/21 16:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,05-09 Batch: WG1583270-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 12/15/21 13:25
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 12/14/21 16:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,05-09 Batch: WG1583270-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	79		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/16/21 11:22
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 12/15/21 19:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1583881-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/16/21 11:22
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 12/15/21 19:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1583881-1					
Dimethyl phthalate	ND		ug/kg	160	34.
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.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 12/16/21 11:22
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 12/15/21 19:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1583881-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	73		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/17/21 09:59
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/17/21 00:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1584447-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/17/21 09:59
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/17/21 00:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1584447-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 12/17/21 09:59
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/17/21 00:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1584447-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	68		41-149

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/17/21 11:40
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 12/17/21 00:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03 Batch: WG1584448-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	0.01	J	ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/17/21 11:40
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 12/17/21 00:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03 Batch: WG1584448-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	78		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05-09 Batch: WG1583270-2 WG1583270-3								
Acenaphthene	81		84		31-137	4		50
1,2,4-Trichlorobenzene	74		76		38-107	3		50
Hexachlorobenzene	84		89		40-140	6		50
Bis(2-chloroethyl)ether	74		73		40-140	1		50
2-Chloronaphthalene	78		79		40-140	1		50
1,2-Dichlorobenzene	73		72		40-140	1		50
1,3-Dichlorobenzene	70		70		40-140	0		50
1,4-Dichlorobenzene	70		69		28-104	1		50
3,3'-Dichlorobenzidine	67		72		40-140	7		50
2,4-Dinitrotoluene	65		64		40-132	2		50
2,6-Dinitrotoluene	71		69		40-140	3		50
Fluoranthene	78		84		40-140	7		50
4-Chlorophenyl phenyl ether	80		82		40-140	2		50
4-Bromophenyl phenyl ether	86		91		40-140	6		50
Bis(2-chloroisopropyl)ether	80		80		40-140	0		50
Bis(2-chloroethoxy)methane	79		80		40-117	1		50
Hexachlorobutadiene	82		82		40-140	0		50
Hexachlorocyclopentadiene	21	Q	18	Q	40-140	15		50
Hexachloroethane	62		60		40-140	3		50
Isophorone	82		84		40-140	2		50
Naphthalene	74		74		40-140	0		50
Nitrobenzene	79		80		40-140	1		50
NDPA/DPA	81		84		36-157	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05-09 Batch: WG1583270-2 WG1583270-3								
n-Nitrosodi-n-propylamine	85		87		32-121	2		50
Bis(2-ethylhexyl)phthalate	79		82		40-140	4		50
Butyl benzyl phthalate	79		82		40-140	4		50
Di-n-butylphthalate	78		82		40-140	5		50
Di-n-octylphthalate	78		82		40-140	5		50
Diethyl phthalate	78		82		40-140	5		50
Dimethyl phthalate	78		81		40-140	4		50
Benzo(a)anthracene	77		80		40-140	4		50
Benzo(a)pyrene	72		75		40-140	4		50
Benzo(b)fluoranthene	79		83		40-140	5		50
Benzo(k)fluoranthene	78		80		40-140	3		50
Chrysene	75		79		40-140	5		50
Acenaphthylene	76		78		40-140	3		50
Anthracene	76		81		40-140	6		50
Benzo(ghi)perylene	79		81		40-140	3		50
Fluorene	81		83		40-140	2		50
Phenanthrene	75		78		40-140	4		50
Dibenzo(a,h)anthracene	79		81		40-140	3		50
Indeno(1,2,3-cd)pyrene	81		83		40-140	2		50
Pyrene	78		82		35-142	5		50
Biphenyl	86		88		37-127	2		50
4-Chloroaniline	70		77		40-140	10		50
2-Nitroaniline	86		86		47-134	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05-09 Batch: WG1583270-2 WG1583270-3								
3-Nitroaniline	82		85		26-129	4		50
4-Nitroaniline	84		88		41-125	5		50
Dibenzofuran	78		81		40-140	4		50
2-Methylnaphthalene	81		83		40-140	2		50
1,2,4,5-Tetrachlorobenzene	87		89		40-117	2		50
Acetophenone	83		84		14-144	1		50
2,4,6-Trichlorophenol	83		84		30-130	1		50
p-Chloro-m-cresol	90		94		26-103	4		50
2-Chlorophenol	77		77		25-102	0		50
2,4-Dichlorophenol	80		83		30-130	4		50
2,4-Dimethylphenol	84		89		30-130	6		50
2-Nitrophenol	52		50		30-130	4		50
4-Nitrophenol	81		81		11-114	0		50
2,4-Dinitrophenol	2	Q	0	Q	4-130	NC		50
4,6-Dinitro-o-cresol	6	Q	4	Q	10-130	30		50
Pentachlorophenol	79		80		17-109	1		50
Phenol	75		75		26-90	0		50
2-Methylphenol	79		81		30-130.	3		50
3-Methylphenol/4-Methylphenol	84		86		30-130	2		50
2,4,5-Trichlorophenol	84		86		30-130	2		50
Benzoic Acid	4	Q	5	Q	10-110	27		50
Benzyl Alcohol	87		89		40-140	2		50
Carbazole	77		80		54-128	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05-09 Batch: WG1583270-2 WG1583270-3								
1,4-Dioxane	55		54		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		73		25-120
Phenol-d6	84		85		10-120
Nitrobenzene-d5	80		81		23-120
2-Fluorobiphenyl	74		77		30-120
2,4,6-Tribromophenol	81		85		10-136
4-Terphenyl-d14	76		79		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1583881-2 WG1583881-3								
Acenaphthene	81		68		31-137	17		50
1,2,4-Trichlorobenzene	77		64		38-107	18		50
Hexachlorobenzene	89		79		40-140	12		50
Bis(2-chloroethyl)ether	78		62		40-140	23		50
2-Chloronaphthalene	84		69		40-140	20		50
1,2-Dichlorobenzene	74		57		40-140	26		50
1,3-Dichlorobenzene	70		53		40-140	28		50
1,4-Dichlorobenzene	72		54		28-104	29		50
3,3'-Dichlorobenzidine	64		64		40-140	0		50
2,4-Dinitrotoluene	93		83		40-132	11		50
2,6-Dinitrotoluene	96		82		40-140	16		50
Fluoranthene	87		76		40-140	13		50
4-Chlorophenyl phenyl ether	82		72		40-140	13		50
4-Bromophenyl phenyl ether	88		77		40-140	13		50
Bis(2-chloroisopropyl)ether	79		64		40-140	21		50
Bis(2-chloroethoxy)methane	82		69		40-117	17		50
Hexachlorobutadiene	77		63		40-140	20		50
Hexachlorocyclopentadiene	70		56		40-140	22		50
Hexachloroethane	74		56		40-140	28		50
Isophorone	80		67		40-140	18		50
Naphthalene	77		62		40-140	22		50
Nitrobenzene	81		67		40-140	19		50
NDPA/DPA	83		74		36-157	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1583881-2 WG1583881-3								
n-Nitrosodi-n-propylamine	80		67		32-121	18		50
Bis(2-ethylhexyl)phthalate	94		82		40-140	14		50
Butyl benzyl phthalate	98		86		40-140	13		50
Di-n-butylphthalate	92		80		40-140	14		50
Di-n-octylphthalate	94		85		40-140	10		50
Diethyl phthalate	86		76		40-140	12		50
Dimethyl phthalate	86		75		40-140	14		50
Benzo(a)anthracene	81		73		40-140	10		50
Benzo(a)pyrene	75		70		40-140	7		50
Benzo(b)fluoranthene	83		78		40-140	6		50
Benzo(k)fluoranthene	82		75		40-140	9		50
Chrysene	81		72		40-140	12		50
Acenaphthylene	81		68		40-140	17		50
Anthracene	82		72		40-140	13		50
Benzo(ghi)perylene	78		70		40-140	11		50
Fluorene	83		72		40-140	14		50
Phenanthrene	81		70		40-140	15		50
Dibenzo(a,h)anthracene	80		73		40-140	9		50
Indeno(1,2,3-cd)pyrene	82		71		40-140	14		50
Pyrene	86		76		35-142	12		50
Biphenyl	85		71		37-127	18		50
4-Chloroaniline	68		61		40-140	11		50
2-Nitroaniline	94		82		47-134	14		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1583881-2 WG1583881-3								
3-Nitroaniline	74		70		26-129	6		50
4-Nitroaniline	90		81		41-125	11		50
Dibenzofuran	81		71		40-140	13		50
2-Methylnaphthalene	80		67		40-140	18		50
1,2,4,5-Tetrachlorobenzene	85		70		40-117	19		50
Acetophenone	85		70		14-144	19		50
2,4,6-Trichlorophenol	90		76		30-130	17		50
p-Chloro-m-cresol	90		76		26-103	17		50
2-Chlorophenol	83		68		25-102	20		50
2,4-Dichlorophenol	89		74		30-130	18		50
2,4-Dimethylphenol	83		70		30-130	17		50
2-Nitrophenol	91		79		30-130	14		50
4-Nitrophenol	87		81		11-114	7		50
2,4-Dinitrophenol	78		73		4-130	7		50
4,6-Dinitro-o-cresol	97		86		10-130	12		50
Pentachlorophenol	87		76		17-109	13		50
Phenol	83		69		26-90	18		50
2-Methylphenol	85		70		30-130.	19		50
3-Methylphenol/4-Methylphenol	91		77		30-130	17		50
2,4,5-Trichlorophenol	91		80		30-130	13		50
Benzoic Acid	21		25		10-110	17		50
Benzyl Alcohol	83		69		40-140	18		50
Carbazole	83		74		54-128	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1583881-2 WG1583881-3								
1,4-Dioxane	42		24	Q	40-140	55	Q	50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		66		25-120
Phenol-d6	84		70		10-120
Nitrobenzene-d5	81		68		23-120
2-Fluorobiphenyl	81		67		30-120
2,4,6-Tribromophenol	94		86		10-136
4-Terphenyl-d14	87		78		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1584447-2 WG1584447-3								
Acenaphthene	77		71		37-111	8		30
1,2,4-Trichlorobenzene	64		60		39-98	6		30
Hexachlorobenzene	74		66		40-140	11		30
Bis(2-chloroethyl)ether	66		64		40-140	3		30
2-Chloronaphthalene	65		63		40-140	3		30
1,2-Dichlorobenzene	66		63		40-140	5		30
1,3-Dichlorobenzene	66		64		40-140	3		30
1,4-Dichlorobenzene	68		65		36-97	5		30
3,3'-Dichlorobenzidine	79		63		40-140	23		30
2,4-Dinitrotoluene	75		69		48-143	8		30
2,6-Dinitrotoluene	64		56		40-140	13		30
Fluoranthene	78		68		40-140	14		30
4-Chlorophenyl phenyl ether	71		64		40-140	10		30
4-Bromophenyl phenyl ether	72		65		40-140	10		30
Bis(2-chloroisopropyl)ether	61		59		40-140	3		30
Bis(2-chloroethoxy)methane	70		66		40-140	6		30
Hexachlorobutadiene	56		58		40-140	4		30
Hexachlorocyclopentadiene	52		52		40-140	0		30
Hexachloroethane	66		64		40-140	3		30
Isophorone	64		59		40-140	8		30
Naphthalene	69		67		40-140	3		30
Nitrobenzene	68		65		40-140	5		30
NDPA/DPA	76		65		40-140	16		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1584447-2 WG1584447-3								
n-Nitrosodi-n-propylamine	66		63		29-132	5		30
Bis(2-ethylhexyl)phthalate	86		75		40-140	14		30
Butyl benzyl phthalate	84		71		40-140	17		30
Di-n-butylphthalate	74		66		40-140	11		30
Di-n-octylphthalate	85		75		40-140	13		30
Diethyl phthalate	77		68		40-140	12		30
Dimethyl phthalate	67		59		40-140	13		30
Benzo(a)anthracene	82		72		40-140	13		30
Benzo(a)pyrene	87		74		40-140	16		30
Benzo(b)fluoranthene	97		84		40-140	14		30
Benzo(k)fluoranthene	86		77		40-140	11		30
Chrysene	81		69		40-140	16		30
Acenaphthylene	64		60		45-123	6		30
Anthracene	82		72		40-140	13		30
Benzo(ghi)perylene	92		79		40-140	15		30
Fluorene	77		69		40-140	11		30
Phenanthrene	80		71		40-140	12		30
Dibenzo(a,h)anthracene	91		80		40-140	13		30
Indeno(1,2,3-cd)pyrene	83		76		40-140	9		30
Pyrene	76		66		26-127	14		30
Biphenyl	67		64		40-140	5		30
4-Chloroaniline	56		51		40-140	9		30
2-Nitroaniline	65		60		52-143	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1584447-2 WG1584447-3								
3-Nitroaniline	76		62		25-145	20		30
4-Nitroaniline	77		68		51-143	12		30
Dibenzofuran	74		69		40-140	7		30
2-Methylnaphthalene	64		64		40-140	0		30
1,2,4,5-Tetrachlorobenzene	63		61		2-134	3		30
Acetophenone	67		64		39-129	5		30
2,4,6-Trichlorophenol	67		60		30-130	11		30
p-Chloro-m-cresol	75		67		23-97	11		30
2-Chlorophenol	76		73		27-123	4		30
2,4-Dichlorophenol	75		66		30-130	13		30
2,4-Dimethylphenol	70		64		30-130	9		30
2-Nitrophenol	78		74		30-130	5		30
4-Nitrophenol	81	Q	72		10-80	12		30
2,4-Dinitrophenol	84		80		20-130	5		30
4,6-Dinitro-o-cresol	84		79		20-164	6		30
Pentachlorophenol	70		61		9-103	14		30
Phenol	57		53		12-110	7		30
2-Methylphenol	71		67		30-130	6		30
3-Methylphenol/4-Methylphenol	77		70		30-130	10		30
2,4,5-Trichlorophenol	68		62		30-130	9		30
Benzoic Acid	51		56		10-164	9		30
Benzyl Alcohol	63		58		26-116	8		30
Carbazole	84		72		55-144	15		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1584447-2 WG1584447-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	75		69		21-120
Phenol-d6	58		54		10-120
Nitrobenzene-d5	71		68		23-120
2-Fluorobiphenyl	67		63		15-120
2,4,6-Tribromophenol	86		75		10-120
4-Terphenyl-d14	81		70		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03 Batch: WG1584448-2 WG1584448-3								
Acenaphthene	78		77		40-140	1		40
2-Chloronaphthalene	80		78		40-140	3		40
Fluoranthene	83		86		40-140	4		40
Hexachlorobutadiene	74		71		40-140	4		40
Naphthalene	75		73		40-140	3		40
Benzo(a)anthracene	85		91		40-140	7		40
Benzo(a)pyrene	86		90		40-140	5		40
Benzo(b)fluoranthene	84		85		40-140	1		40
Benzo(k)fluoranthene	82		89		40-140	8		40
Chrysene	81		82		40-140	1		40
Acenaphthylene	83		81		40-140	2		40
Anthracene	84		84		40-140	0		40
Benzo(ghi)perylene	86		91		40-140	6		40
Fluorene	82		83		40-140	1		40
Phenanthrene	80		81		40-140	1		40
Dibenzo(a,h)anthracene	91		95		40-140	4		40
Indeno(1,2,3-cd)pyrene	88		92		40-140	4		40
Pyrene	83		86		40-140	4		40
2-Methylnaphthalene	81		77		40-140	5		40
Pentachlorophenol	84		88		40-140	5		40
Hexachlorobenzene	78		78		40-140	0		40
Hexachloroethane	67		65		40-140	3		40

Lab Control Sample Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03 Batch: WG1584448-2 WG1584448-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	67		67		21-120
Phenol-d6	60		60		10-120
Nitrobenzene-d5	84		82		23-120
2-Fluorobiphenyl	80		78		15-120
2,4,6-Tribromophenol	81		85		10-120
4-Terphenyl-d14	85		87		41-149

METALS

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-01
 Client ID: SB-17_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 10:00
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3120		mg/kg	8.88	2.40	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Antimony, Total	ND		mg/kg	4.44	0.338	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Arsenic, Total	3.99		mg/kg	0.888	0.185	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Barium, Total	41.3		mg/kg	0.888	0.154	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Beryllium, Total	0.106	J	mg/kg	0.444	0.029	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Cadmium, Total	0.488	J	mg/kg	0.888	0.087	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Calcium, Total	65200		mg/kg	88.8	31.1	20	12/15/21 19:39	12/17/21 12:09	EPA 3050B	1,6010D	SV
Chromium, Total	7.47		mg/kg	0.888	0.085	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Cobalt, Total	4.48		mg/kg	1.78	0.147	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Copper, Total	31.7		mg/kg	0.888	0.229	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Iron, Total	9060		mg/kg	4.44	0.802	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Lead, Total	79.6		mg/kg	4.44	0.238	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Magnesium, Total	37800		mg/kg	8.88	1.37	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Manganese, Total	160		mg/kg	0.888	0.141	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Mercury, Total	0.144		mg/kg	0.072	0.047	1	12/15/21 20:15	12/16/21 14:45	EPA 7471B	1,7471B	AC
Nickel, Total	8.76		mg/kg	2.22	0.215	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Potassium, Total	637		mg/kg	222	12.8	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	1.78	0.229	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.888	0.251	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Sodium, Total	639		mg/kg	178	2.80	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.78	0.280	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Vanadium, Total	27.7		mg/kg	0.888	0.180	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV
Zinc, Total	82.9		mg/kg	4.44	0.260	2	12/15/21 19:39	12/17/21 11:40	EPA 3050B	1,6010D	SV



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-02
 Client ID: SB-17_(21-23)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 10:15
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5320		mg/kg	9.23	2.49	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Antimony, Total	ND		mg/kg	4.61	0.351	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Arsenic, Total	1.99		mg/kg	0.923	0.192	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Barium, Total	49.7		mg/kg	0.923	0.160	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Beryllium, Total	0.129	J	mg/kg	0.461	0.030	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Cadmium, Total	0.378	J	mg/kg	0.923	0.090	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Calcium, Total	1890		mg/kg	9.23	3.23	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Chromium, Total	31.9		mg/kg	0.923	0.089	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Cobalt, Total	6.38		mg/kg	1.84	0.153	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Copper, Total	13.1		mg/kg	0.923	0.238	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Iron, Total	11600		mg/kg	4.61	0.833	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Lead, Total	4.28	J	mg/kg	4.61	0.247	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Magnesium, Total	2980		mg/kg	9.23	1.42	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Manganese, Total	230		mg/kg	0.923	0.147	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Mercury, Total	ND		mg/kg	0.078	0.051	1	12/15/21 20:15	12/16/21 14:55	EPA 7471B	1,7471B	AC
Nickel, Total	13.4		mg/kg	2.31	0.223	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Potassium, Total	1570		mg/kg	231	13.3	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	1.84	0.238	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.923	0.261	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Sodium, Total	649		mg/kg	184	2.91	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.84	0.291	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Vanadium, Total	20.0		mg/kg	0.923	0.187	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV
Zinc, Total	28.7		mg/kg	4.61	0.270	2	12/15/21 19:39	12/17/21 11:45	EPA 3050B	1,6010D	SV



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-03
 Client ID: TW-4
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 11:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	70.7		mg/l	0.0100	0.00327	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Arsenic, Total	0.01833		mg/l	0.00050	0.00016	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Barium, Total	1.574		mg/l	0.00050	0.00017	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Beryllium, Total	0.00210		mg/l	0.00050	0.00010	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Cadmium, Total	0.00101		mg/l	0.00020	0.00005	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Calcium, Total	99.8		mg/l	0.100	0.0394	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Chromium, Total	0.2224		mg/l	0.00100	0.00017	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Cobalt, Total	0.08783		mg/l	0.00050	0.00016	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Copper, Total	0.2130		mg/l	0.00100	0.00038	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Iron, Total	131.		mg/l	0.0500	0.0191	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Lead, Total	0.1046		mg/l	0.00100	0.00034	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Magnesium, Total	71.7		mg/l	0.0700	0.0242	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Manganese, Total	4.214		mg/l	0.00100	0.00044	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/15/21 14:27	12/16/21 07:36	EPA 7470A	1,7470A	AC
Nickel, Total	0.1733		mg/l	0.00200	0.00055	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Potassium, Total	33.0		mg/l	0.100	0.0309	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Selenium, Total	0.0358		mg/l	0.00500	0.00173	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Silver, Total	0.00039	J	mg/l	0.00040	0.00016	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Sodium, Total	129.		mg/l	0.100	0.0293	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Thallium, Total	0.00198		mg/l	0.00100	0.00014	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Vanadium, Total	0.1816		mg/l	0.00500	0.00157	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Zinc, Total	0.4002		mg/l	0.01000	0.00341	1	12/15/21 11:35	12/16/21 18:42	EPA 3005A	1,6020B	CD
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.119		mg/l	0.0100	0.00327	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Arsenic, Dissolved	0.00024	J	mg/l	0.00050	0.00016	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Barium, Dissolved	0.09528		mg/l	0.00050	0.00017	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-03
 Client ID: TW-4
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 11:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Calcium, Dissolved	76.2		mg/l	0.100	0.0394	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Chromium, Dissolved	0.00042	J	mg/l	0.00100	0.00017	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Cobalt, Dissolved	0.00083		mg/l	0.00050	0.00016	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Copper, Dissolved	0.00104		mg/l	0.00100	0.00038	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Iron, Dissolved	0.246		mg/l	0.0500	0.0191	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Magnesium, Dissolved	19.7		mg/l	0.0700	0.0242	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Manganese, Dissolved	0.06140		mg/l	0.00100	0.00044	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	12/15/21 13:38	12/15/21 18:14	EPA 7470A	1,7470A	NB
Nickel, Dissolved	0.00138	J	mg/l	0.00200	0.00055	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Potassium, Dissolved	4.79		mg/l	0.100	0.0309	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Selenium, Dissolved	0.00180	J	mg/l	0.00500	0.00173	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Sodium, Dissolved	136.		mg/l	0.100	0.0293	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Thallium, Dissolved	0.00027	J	mg/l	0.00100	0.00014	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	12/15/21 13:33	12/16/21 19:12	EPA 3005A	1,6020B	CD



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-04
 Client ID: SB-12_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 12:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5280		mg/kg	9.54	2.58	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Antimony, Total	0.487	J	mg/kg	4.77	0.362	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Arsenic, Total	7.18		mg/kg	0.954	0.198	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Barium, Total	64.5		mg/kg	0.954	0.166	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Beryllium, Total	0.258	J	mg/kg	0.477	0.032	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Cadmium, Total	0.525	J	mg/kg	0.954	0.094	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Calcium, Total	3350		mg/kg	9.54	3.34	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Chromium, Total	9.71		mg/kg	0.954	0.092	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Cobalt, Total	5.64		mg/kg	1.91	0.158	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Copper, Total	25.9		mg/kg	0.954	0.246	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Iron, Total	8900		mg/kg	4.77	0.862	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Lead, Total	192		mg/kg	4.77	0.256	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Magnesium, Total	1530		mg/kg	9.54	1.47	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Manganese, Total	214		mg/kg	0.954	0.152	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Mercury, Total	0.131		mg/kg	0.085	0.056	1	12/15/21 20:15	12/16/21 14:58	EPA 7471B	1,7471B	AC
Nickel, Total	10.5		mg/kg	2.38	0.231	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Potassium, Total	481		mg/kg	238	13.7	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	1.91	0.246	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.954	0.270	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Sodium, Total	453		mg/kg	191	3.00	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.91	0.300	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Vanadium, Total	21.0		mg/kg	0.954	0.194	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV
Zinc, Total	303		mg/kg	4.77	0.280	2	12/15/21 19:39	12/17/21 11:50	EPA 3050B	1,6010D	SV



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-05
 Client ID: SB-12_(5-7)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 12:30
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5780		mg/kg	9.35	2.52	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Antimony, Total	ND		mg/kg	4.67	0.355	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Arsenic, Total	2.11		mg/kg	0.935	0.194	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Barium, Total	77.9		mg/kg	0.935	0.163	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Beryllium, Total	0.327	J	mg/kg	0.467	0.031	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Cadmium, Total	0.589	J	mg/kg	0.935	0.092	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Calcium, Total	2300		mg/kg	9.35	3.27	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Chromium, Total	9.98		mg/kg	0.935	0.090	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Cobalt, Total	2.71		mg/kg	1.87	0.155	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Copper, Total	12.0		mg/kg	0.935	0.241	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Iron, Total	7420		mg/kg	4.67	0.844	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Lead, Total	92.1		mg/kg	4.67	0.250	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Magnesium, Total	1780		mg/kg	9.35	1.44	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Manganese, Total	71.1		mg/kg	0.935	0.149	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Mercury, Total	0.142		mg/kg	0.078	0.051	1	12/15/21 20:15	12/16/21 15:02	EPA 7471B	1,7471B	AC
Nickel, Total	4.75		mg/kg	2.34	0.226	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Potassium, Total	384		mg/kg	234	13.5	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	1.87	0.241	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.935	0.264	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Sodium, Total	415		mg/kg	187	2.94	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.87	0.294	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Vanadium, Total	8.99		mg/kg	0.935	0.190	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV
Zinc, Total	89.8		mg/kg	4.67	0.274	2	12/15/21 19:39	12/17/21 11:55	EPA 3050B	1,6010D	SV



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-06
 Client ID: SB-13_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:20
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3820		mg/kg	9.07	2.45	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Antimony, Total	ND		mg/kg	4.53	0.344	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Arsenic, Total	3.34		mg/kg	0.907	0.188	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Barium, Total	48.0		mg/kg	0.907	0.158	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Beryllium, Total	0.109	J	mg/kg	0.453	0.030	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Cadmium, Total	0.399	J	mg/kg	0.907	0.089	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Calcium, Total	48700		mg/kg	90.7	31.7	20	12/15/21 19:39	12/17/21 12:38	EPA 3050B	1,6010D	SV
Chromium, Total	7.63		mg/kg	0.907	0.087	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Cobalt, Total	4.43		mg/kg	1.81	0.150	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Copper, Total	21.1		mg/kg	0.907	0.234	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Iron, Total	8570		mg/kg	4.53	0.819	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Lead, Total	65.7		mg/kg	4.53	0.243	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Magnesium, Total	22700		mg/kg	9.07	1.40	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Manganese, Total	159		mg/kg	0.907	0.144	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Mercury, Total	ND		mg/kg	0.084	0.055	1	12/15/21 20:15	12/16/21 15:05	EPA 7471B	1,7471B	AC
Nickel, Total	7.70		mg/kg	2.27	0.219	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Potassium, Total	842		mg/kg	227	13.0	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	1.81	0.234	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.907	0.256	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Sodium, Total	318		mg/kg	181	2.86	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.81	0.286	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Vanadium, Total	28.5		mg/kg	0.907	0.184	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV
Zinc, Total	55.9		mg/kg	4.53	0.266	2	12/15/21 19:39	12/17/21 11:59	EPA 3050B	1,6010D	SV



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-07
 Client ID: SB-13_(5-7)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:30
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8600		mg/kg	10.1	2.72	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Antimony, Total	ND		mg/kg	5.03	0.382	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Arsenic, Total	3.05		mg/kg	1.01	0.209	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Barium, Total	63.5		mg/kg	1.01	0.175	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Beryllium, Total	0.322	J	mg/kg	0.503	0.033	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Cadmium, Total	0.523	J	mg/kg	1.01	0.099	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Calcium, Total	1240		mg/kg	10.1	3.52	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Chromium, Total	21.3		mg/kg	1.01	0.097	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Cobalt, Total	6.42		mg/kg	2.01	0.167	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Copper, Total	18.4		mg/kg	1.01	0.260	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Iron, Total	15600		mg/kg	5.03	0.909	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Lead, Total	68.8		mg/kg	5.03	0.270	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Magnesium, Total	3190		mg/kg	10.1	1.55	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Manganese, Total	239		mg/kg	1.01	0.160	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Mercury, Total	0.087	J	mg/kg	0.090	0.059	1	12/15/21 20:15	12/16/21 15:08	EPA 7471B	1,7471B	AC
Nickel, Total	11.1		mg/kg	2.52	0.244	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Potassium, Total	1880		mg/kg	252	14.5	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	2.01	0.260	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	1.01	0.285	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Sodium, Total	162	J	mg/kg	201	3.17	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Thallium, Total	0.403	J	mg/kg	2.01	0.317	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Vanadium, Total	27.2		mg/kg	1.01	0.204	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV
Zinc, Total	51.8		mg/kg	5.03	0.295	2	12/15/21 19:39	12/17/21 12:04	EPA 3050B	1,6010D	SV



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-08
 Client ID: SB-15_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:20
 Date Received: 12/13/21
 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	5670		mg/kg	9.60	2.59	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Antimony, Total	ND		mg/kg	4.80	0.365	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Arsenic, Total	6.61		mg/kg	0.960	0.200	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Barium, Total	92.0		mg/kg	0.960	0.167	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Beryllium, Total	0.240	J	mg/kg	0.480	0.032	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Cadmium, Total	0.605	J	mg/kg	0.960	0.094	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Calcium, Total	35400		mg/kg	9.60	3.36	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Chromium, Total	10.5		mg/kg	0.960	0.092	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Cobalt, Total	5.47		mg/kg	1.92	0.159	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Copper, Total	20.4		mg/kg	0.960	0.248	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Iron, Total	10300		mg/kg	4.80	0.867	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Lead, Total	93.0		mg/kg	4.80	0.257	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Magnesium, Total	14000		mg/kg	9.60	1.48	2	12/15/21 19:39	12/17/21 16:06	EPA 3050B	1,6010D	SV
Manganese, Total	157		mg/kg	0.960	0.153	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Mercury, Total	0.122		mg/kg	0.081	0.053	1	12/15/21 20:15	12/16/21 15:12	EPA 7471B	1,7471B	AC
Nickel, Total	8.12		mg/kg	2.40	0.232	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Potassium, Total	1760		mg/kg	240	13.8	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	1.92	0.248	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.960	0.272	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Sodium, Total	402		mg/kg	192	3.02	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.92	0.302	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Vanadium, Total	19.5		mg/kg	0.960	0.195	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV
Zinc, Total	95.0		mg/kg	4.80	0.281	2	12/15/21 19:39	12/17/21 13:07	EPA 3050B	1,6010D	SV



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-09
 Client ID: SB-15_(6-8)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:30
 Date Received: 12/13/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4610		mg/kg	8.61	2.32	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Antimony, Total	ND		mg/kg	4.30	0.327	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Arsenic, Total	5.08		mg/kg	0.861	0.179	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Barium, Total	77.5		mg/kg	0.861	0.150	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Beryllium, Total	0.164	J	mg/kg	0.430	0.028	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Cadmium, Total	0.379	J	mg/kg	0.861	0.084	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Calcium, Total	76100		mg/kg	86.1	30.1	20	12/15/21 19:39	12/17/21 13:20	EPA 3050B	1,6010D	SV
Chromium, Total	9.42		mg/kg	0.861	0.083	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Cobalt, Total	3.68		mg/kg	1.72	0.143	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Copper, Total	14.9		mg/kg	0.861	0.222	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Iron, Total	6800		mg/kg	4.30	0.777	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Lead, Total	53.2		mg/kg	4.30	0.231	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Magnesium, Total	23200		mg/kg	8.61	1.32	2	12/15/21 19:39	12/17/21 16:11	EPA 3050B	1,6010D	SV
Manganese, Total	126		mg/kg	0.861	0.137	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Mercury, Total	0.072		mg/kg	0.069	0.045	1	12/15/21 20:15	12/16/21 15:15	EPA 7471B	1,7471B	AC
Nickel, Total	9.08		mg/kg	2.15	0.208	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Potassium, Total	994		mg/kg	215	12.4	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Selenium, Total	ND		mg/kg	1.72	0.222	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.861	0.244	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Sodium, Total	473		mg/kg	172	2.71	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.72	0.271	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Vanadium, Total	16.1		mg/kg	0.861	0.175	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV
Zinc, Total	45.2		mg/kg	4.30	0.252	2	12/15/21 19:39	12/17/21 13:12	EPA 3050B	1,6010D	SV



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

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): 03 Batch: WG1583164-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Barium, Total	ND		mg/l	0.00050	0.00017	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Calcium, Total	ND		mg/l	0.100	0.0394	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Chromium, Total	0.00035	J	mg/l	0.00100	0.00017	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Copper, Total	ND		mg/l	0.00100	0.00038	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Iron, Total	ND		mg/l	0.0500	0.0191	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Manganese, Total	ND		mg/l	0.00100	0.00044	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Nickel, Total	ND		mg/l	0.00200	0.00055	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Potassium, Total	ND		mg/l	0.100	0.0309	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Sodium, Total	ND		mg/l	0.100	0.0293	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	12/15/21 11:35	12/16/21 10:58	1,6020B	CD

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03 Batch: WG1583165-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/15/21 14:27	12/16/21 06:46	1,7470A	AC



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 03 Batch: WG1583665-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Antimony, Dissolved	0.00080	J	mg/l	0.00400	0.00042	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Sodium, Dissolved	0.0651	J	mg/l	0.100	0.0293	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Thallium, Dissolved	0.00018	J	mg/l	0.00100	0.00014	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD
Zinc, Dissolved	0.00569	J	mg/l	0.01000	0.00341	1	12/15/21 13:33	12/16/21 17:54	1,6020B	CD

Prep Information

Digestion Method: EPA 3005A



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 03 Batch: WG1583667-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	12/15/21 13:38	12/15/21 18:07	1,7470A	NB

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02,04-09 Batch: WG1583721-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Antimony, Total	ND		mg/kg	2.00	0.152	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Arsenic, Total	0.092	J	mg/kg	0.400	0.083	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Barium, Total	ND		mg/kg	0.400	0.070	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Calcium, Total	ND		mg/kg	4.00	1.40	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Copper, Total	ND		mg/kg	0.400	0.103	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Iron, Total	ND		mg/kg	2.00	0.361	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Lead, Total	ND		mg/kg	2.00	0.107	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Manganese, Total	ND		mg/kg	0.400	0.064	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Potassium, Total	22.6	J	mg/kg	100	5.76	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Silver, Total	ND		mg/kg	0.400	0.113	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Sodium, Total	7.85	J	mg/kg	80.0	1.26	1	12/15/21 19:39	12/17/21 11:43	1,6010D	SV
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/15/21 19:39	12/17/21 10:21	1,6010D	EW

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Method Blank Analysis Batch Quality Control

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): 01-02,04-09 Batch: WG1583723-1									
Mercury, Total	ND	mg/kg	0.083	0.054	1	12/15/21 20:15	12/16/21 13:59	1,7471B	AC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1583164-2								
Aluminum, Total	104		-		80-120	-		
Antimony, Total	91		-		80-120	-		
Arsenic, Total	105		-		80-120	-		
Barium, Total	107		-		80-120	-		
Beryllium, Total	104		-		80-120	-		
Cadmium, Total	107		-		80-120	-		
Calcium, Total	84		-		80-120	-		
Chromium, Total	103		-		80-120	-		
Cobalt, Total	101		-		80-120	-		
Copper, Total	104		-		80-120	-		
Iron, Total	110		-		80-120	-		
Lead, Total	103		-		80-120	-		
Magnesium, Total	106		-		80-120	-		
Manganese, Total	102		-		80-120	-		
Nickel, Total	103		-		80-120	-		
Potassium, Total	102		-		80-120	-		
Selenium, Total	105		-		80-120	-		
Silver, Total	110		-		80-120	-		
Sodium, Total	102		-		80-120	-		
Thallium, Total	106		-		80-120	-		
Vanadium, Total	103		-		80-120	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1583164-2					
Zinc, Total	102	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1583165-2					
Mercury, Total	98	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1583665-2					
Aluminum, Dissolved	105	-	80-120	-	
Antimony, Dissolved	99	-	80-120	-	
Arsenic, Dissolved	110	-	80-120	-	
Barium, Dissolved	107	-	80-120	-	
Beryllium, Dissolved	106	-	80-120	-	
Cadmium, Dissolved	110	-	80-120	-	
Calcium, Dissolved	96	-	80-120	-	
Chromium, Dissolved	105	-	80-120	-	
Cobalt, Dissolved	103	-	80-120	-	
Copper, Dissolved	105	-	80-120	-	
Iron, Dissolved	110	-	80-120	-	
Lead, Dissolved	109	-	80-120	-	
Magnesium, Dissolved	115	-	80-120	-	
Manganese, Dissolved	106	-	80-120	-	
Nickel, Dissolved	103	-	80-120	-	
Potassium, Dissolved	114	-	80-120	-	
Selenium, Dissolved	106	-	80-120	-	
Silver, Dissolved	114	-	80-120	-	
Sodium, Dissolved	111	-	80-120	-	
Thallium, Dissolved	112	-	80-120	-	
Vanadium, Dissolved	104	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1583665-2					
Zinc, Dissolved	107	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1583667-2					
Mercury, Dissolved	94	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-09 Batch: WG1583721-2 SRM Lot Number: D113-540					
Aluminum, Total	67	-	51-149	-	
Antimony, Total	136	-	20-250	-	
Arsenic, Total	104	-	70-130	-	
Barium, Total	96	-	75-125	-	
Beryllium, Total	99	-	75-125	-	
Cadmium, Total	99	-	75-125	-	
Calcium, Total	100	-	73-128	-	
Chromium, Total	98	-	70-130	-	
Cobalt, Total	101	-	75-125	-	
Copper, Total	102	-	75-125	-	
Iron, Total	93	-	36-164	-	
Lead, Total	104	-	72-128	-	
Magnesium, Total	84	-	63-138	-	
Manganese, Total	99	-	77-123	-	
Nickel, Total	102	-	70-130	-	
Potassium, Total	85	-	59-141	-	
Selenium, Total	100	-	66-134	-	
Silver, Total	105	-	70-131	-	
Sodium, Total	135	-	35-164	-	
Thallium, Total	101	-	70-130	-	
Vanadium, Total	101	-	74-126	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-09 Batch: WG1583721-2 SRM Lot Number: D113-540					
Zinc, Total	98	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-09 Batch: WG1583723-2 SRM Lot Number: D113-540					
Mercury, Total	127	-	60-140	-	

Matrix Spike Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1583164-3 QC Sample: L2168053-01 Client ID: MS Sample												
Aluminum, Total	2.43	2	4.34	96		-	-		75-125	-		20
Antimony, Total	0.0153J	0.5	0.5292	106		-	-		75-125	-		20
Arsenic, Total	0.00495J	0.12	0.1283	107		-	-		75-125	-		20
Barium, Total	0.4772	2	2.524	102		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.04523	90		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.04842	91		-	-		75-125	-		20
Calcium, Total	237	10	213	0	Q	-	-		75-125	-		20
Chromium, Total	0.03800	0.2	0.2214	92		-	-		75-125	-		20
Cobalt, Total	0.00515	0.5	0.4902	97		-	-		75-125	-		20
Copper, Total	0.01241	0.25	0.2509	95		-	-		75-125	-		20
Iron, Total	15.3	1	14.4	0	Q	-	-		75-125	-		20
Lead, Total	0.01259	0.53	0.5801	107		-	-		75-125	-		20
Magnesium, Total	471	10	415	0	Q	-	-		75-125	-		20
Manganese, Total	0.5758	0.5	0.9728	79		-	-		75-125	-		20
Nickel, Total	0.01741J	0.5	0.4772	95		-	-		75-125	-		20
Potassium, Total	143	10	141	0	Q	-	-		75-125	-		20
Selenium, Total	ND	0.12	0.106	88		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05004	100		-	-		75-125	-		20
Sodium, Total	4260	10	3780	0	Q	-	-		75-125	-		20
Thallium, Total	ND	0.12	0.1274	106		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.4999	100		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

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): 03 QC Batch ID: WG1583164-3 QC Sample: L2168053-01 Client ID: MS Sample									
Zinc, Total	0.1454	0.5	0.5688	85	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1583165-3 QC Sample: L2166638-01 Client ID: MS Sample									
Mercury, Total	0.00015J	0.005	0.00474	95	-	-	75-125	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1583665-3 QC Sample: L2168471-03 Client ID: TW-4									
Aluminum, Dissolved	0.119	2	2.05	96	-	-	75-125	-	20
Antimony, Dissolved	ND	0.5	0.4538	91	-	-	75-125	-	20
Arsenic, Dissolved	0.00024J	0.12	0.1241	103	-	-	75-125	-	20
Barium, Dissolved	0.09528	2	2.046	98	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05064	101	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.053	0.05233	99	-	-	75-125	-	20
Calcium, Dissolved	76.2	10	84.8	86	-	-	75-125	-	20
Chromium, Dissolved	0.00042J	0.2	0.1865	93	-	-	75-125	-	20
Cobalt, Dissolved	0.00083	0.5	0.4626	92	-	-	75-125	-	20
Copper, Dissolved	0.00104	0.25	0.2446	97	-	-	75-125	-	20
Iron, Dissolved	0.246	1	1.43	118	-	-	75-125	-	20
Lead, Dissolved	ND	0.53	0.5267	99	-	-	75-125	-	20
Magnesium, Dissolved	19.7	10	30.6	109	-	-	75-125	-	20
Manganese, Dissolved	0.06140	0.5	0.5349	95	-	-	75-125	-	20
Nickel, Dissolved	0.00138J	0.5	0.4640	93	-	-	75-125	-	20
Potassium, Dissolved	4.79	10	14.6	98	-	-	75-125	-	20
Selenium, Dissolved	0.00180J	0.12	0.118	98	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.05225	104	-	-	75-125	-	20
Sodium, Dissolved	136.	10	141	50	Q	-	75-125	-	20
Thallium, Dissolved	0.00027J	0.12	0.1248	104	-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.4677	94	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1583665-3 QC Sample: L2168471-03 Client ID: TW-4									
Zinc, Dissolved	ND	0.5	0.4674	93	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1583667-3 QC Sample: L2168471-03 Client ID: TW-4									
Mercury, Dissolved	ND	0.005	0.00480	96	-	-	75-125	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

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): 01-02,04-09 QC Batch ID: WG1583721-3 QC Sample: L2168393-01 Client ID: MS Sample									
Aluminum, Total	8250	274	10600	857	Q	-	75-125	-	20
Antimony, Total	2.21J	68.5	45.5	66	Q	-	75-125	-	20
Arsenic, Total	9.32	16.4	23.9	89		-	75-125	-	20
Barium, Total	95.5	274	281	68	Q	-	75-125	-	20
Beryllium, Total	0.491J	6.85	6.30	92		-	75-125	-	20
Cadmium, Total	1.47	7.26	6.93	75		-	75-125	-	20
Calcium, Total	4100	1370	5270	85		-	75-125	-	20
Chromium, Total	22.6	27.4	44.1	78		-	75-125	-	20
Cobalt, Total	8.46	68.5	59.5	74	Q	-	75-125	-	20
Copper, Total	2200	34.2	81.1	0	Q	-	75-125	-	20
Iron, Total	25600	137	26600	730	Q	-	75-125	-	20
Lead, Total	260	72.6	220	0	Q	-	75-125	-	20
Magnesium, Total	4780	1370	6960	159	Q	-	75-125	-	20
Manganese, Total	578	68.5	708	190	Q	-	75-125	-	20
Nickel, Total	19.8	68.5	72.1	76		-	75-125	-	20
Potassium, Total	2060	1370	3720	121		-	75-125	-	20
Selenium, Total	ND	16.4	12.7	77		-	75-125	-	20
Silver, Total	ND	41.1	33.0	80		-	75-125	-	20
Sodium, Total	3220	1370	5030	132	Q	-	75-125	-	20
Thallium, Total	0.478J	16.4	12.8	78		-	75-125	-	20
Vanadium, Total	27.6	68.5	84.8	83		-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

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): 01-02,04-09 QC Batch ID: WG1583721-3 QC Sample: L2168393-01 Client ID: MS Sample									
Zinc, Total	303	68.5	250	0	Q	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-09 QC Batch ID: WG1583723-3 QC Sample: L2168393-01 Client ID: MS Sample									
Mercury, Total	0.147	0.22	0.851	320	Q	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1583164-4 QC Sample: L2168053-01 Client ID: DUP Sample						
Aluminum, Total	2.43	2.32	mg/l	5		20
Arsenic, Total	0.00495J	0.00558	mg/l	NC		20
Barium, Total	0.4772	0.4991	mg/l	4		20
Cadmium, Total	ND	0.00060J	mg/l	NC		20
Chromium, Total	0.03800	0.03767	mg/l	1		20
Cobalt, Total	0.00515	0.00493J	mg/l	NC		20
Copper, Total	0.01241	0.01059	mg/l	16		20
Iron, Total	15.3	14.3	mg/l	7		20
Lead, Total	0.01259	0.01232	mg/l	2		20
Nickel, Total	0.01741J	0.01915J	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.1454	0.1384	mg/l	5		20
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1583165-4 QC Sample: L2166638-01 Client ID: DUP Sample						
Mercury, Total	0.00015J	0.00015J	mg/l	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1583665-4 QC Sample: L2168471-03 Client ID: TW-4					
Aluminum, Dissolved	0.119	0.139	mg/l	16	20
Antimony, Dissolved	ND	0.00056J	mg/l	NC	20
Arsenic, Dissolved	0.00024J	0.00022J	mg/l	NC	20
Barium, Dissolved	0.09528	0.09691	mg/l	2	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	0.00006J	mg/l	NC	20
Calcium, Dissolved	76.2	76.2	mg/l	0	20
Chromium, Dissolved	0.00042J	0.00054J	mg/l	NC	20
Cobalt, Dissolved	0.00083	0.00090	mg/l	8	20
Copper, Dissolved	0.00104	0.00135	mg/l	25	Q 20
Iron, Dissolved	0.246	0.314	mg/l	24	Q 20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	19.7	20.0	mg/l	2	20
Manganese, Dissolved	0.06140	0.06274	mg/l	2	20
Nickel, Dissolved	0.00138J	0.00170J	mg/l	NC	20
Potassium, Dissolved	4.79	4.62	mg/l	4	20
Selenium, Dissolved	0.00180J	0.00181J	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	136.	137	mg/l	1	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1583665-4 QC Sample: L2168471-03 Client ID: TW-4					
Thallium, Dissolved	0.00027J	0.00074J	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1583667-4 QC Sample: L2168471-03 Client ID: TW-4					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-09 QC Batch ID: WG1583721-4 QC Sample: L2168393-01 Client ID: DUP Sample					
Aluminum, Total	8250	9050	mg/kg	9	20
Antimony, Total	2.21J	3.00J	mg/kg	NC	20
Arsenic, Total	9.32	9.98	mg/kg	7	20
Barium, Total	95.5	80.9	mg/kg	17	20
Beryllium, Total	0.491J	0.544J	mg/kg	NC	20
Cadmium, Total	1.47	1.83	mg/kg	22	Q 20
Calcium, Total	4100	3670	mg/kg	11	20
Chromium, Total	22.6	22.4	mg/kg	1	20
Cobalt, Total	8.46	8.86	mg/kg	5	20
Copper, Total	2200	284	mg/kg	154	Q 20
Iron, Total	25600	36700	mg/kg	36	Q 20
Lead, Total	260	332	mg/kg	24	Q 20
Magnesium, Total	4780	5570	mg/kg	15	20
Manganese, Total	578	807	mg/kg	33	Q 20
Nickel, Total	19.8	20.2	mg/kg	2	20
Potassium, Total	2060	2270	mg/kg	10	20
Selenium, Total	ND	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	3220	3410	mg/kg	6	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-09 QC Batch ID: WG1583721-4 QC Sample: L2168393-01 Client ID: DUP Sample					
Thallium, Total	0.478J	0.596J	mg/kg	NC	20
Vanadium, Total	27.6	29.6	mg/kg	7	20
Zinc, Total	303	324	mg/kg	7	20
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-09 QC Batch ID: WG1583723-4 QC Sample: L2168393-01 Client ID: DUP Sample					
Mercury, Total	0.147	1.16	mg/kg	155	Q 20

Project Name: MT. VERNON
Project Number: 2908.0008Y000

**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2168471
Report Date: 12/17/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1583665-6 QC Sample: L2168471-03 Client ID: TW-4						
Barium, Dissolved	0.09528	0.09870	mg/l	4		20
Calcium, Dissolved	76.2	77.2	mg/l	1		20
Magnesium, Dissolved	19.7	20.1	mg/l	2		20
Manganese, Dissolved	0.06140	0.06115	mg/l	0		20
Potassium, Dissolved	4.79	4.49	mg/l	6		20
Sodium, Dissolved	136.	131.	mg/l	4		20
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-09 QC Batch ID: WG1583721-6 QC Sample: L2168393-01 Client ID: DUP Sample						
Aluminum, Total	8250	7380	mg/kg	11		20
Barium, Total	95.5	86.5	mg/kg	9		20
Calcium, Total	4100	3840	mg/kg	6		20
Copper, Total	2200	1950	mg/kg	11		20
Iron, Total	25600	23200	mg/kg	9		20
Lead, Total	260	226	mg/kg	13		20
Magnesium, Total	4780	4740	mg/kg	1		20
Manganese, Total	578	540	mg/kg	7		20
Zinc, Total	303	266	mg/kg	12		20

INORGANICS & MISCELLANEOUS

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-01
Client ID: SB-17_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 10:00
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	12/14/21 08:12	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-02
Client ID: SB-17_(21-23)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 10:15
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.8		%	0.100	NA	1	-	12/14/21 08:12	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-04
Client ID: SB-12_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 12:20
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.2		%	0.100	NA	1	-	12/14/21 08:12	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-05
Client ID: SB-12_(5-7)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 12:30
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.3		%	0.100	NA	1	-	12/14/21 08:12	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-06
Client ID: SB-13_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:20
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	12/14/21 08:12	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-07
Client ID: SB-13_(5-7)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 13:30
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.6		%	0.100	NA	1	-	12/14/21 08:12	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-08
Client ID: SB-15_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:20
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.2		%	0.100	NA	1	-	12/14/21 08:12	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2168471-09
Client ID: SB-15_(6-8)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/13/21 14:30
Date Received: 12/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.5		%	0.100	NA	1	-	12/14/21 08:12	121,2540G	RI



Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,04-09 QC Batch ID: WG1582916-1 QC Sample: L2168471-01 Client ID: SB-17_(0-2)						
Solids, Total	87.2	86.6	%	1		20

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Serial_No:12172120:01
Lab Number: L2168471
Report Date: 12/17/21

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(*)
L2168471-01A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-01B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-01C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-01D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2168471-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2168471-01F	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14)
L2168471-01X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-01Y	Vial Water preserved split	A	NA		2.2	Y	Absent	14-DEC-21 10:20	NYTCL-8260HLW(14)
L2168471-01Z	Vial Water preserved split	A	NA		2.2	Y	Absent	14-DEC-21 10:20	NYTCL-8260HLW(14)
L2168471-02A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-02B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-02C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-02D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2168471-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),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),K-TI(180),CA-TI(180),CD-TI(180)
L2168471-02F	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14)
L2168471-02X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-02Y	Vial Water preserved split	A	NA		2.2	Y	Absent	14-DEC-21 10:20	NYTCL-8260HLW(14)
L2168471-02Z	Vial Water preserved split	A	NA		2.2	Y	Absent	14-DEC-21 10:20	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Serial_No:12172120:01
Lab Number: L2168471
Report Date: 12/17/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2168471-03A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2168471-03B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2168471-03C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2168471-03D	Plastic 250ml unpreserved	A	7	7	2.2	Y	Absent		-
L2168471-03E	Plastic 250ml HNO3 preserved	A	<2	<2	2.2	Y	Absent		SE-6020T(180),FE-6020T(180),TL-6020T(180),BA-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),MG-6020T(180),AL-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),CO-6020T(180)
L2168471-03F	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2168471-03G	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2168471-03X	Plastic 120ml HNO3 preserved Filtrates	A	NA		2.2	Y	Absent		V-6020S(180),K-6020S(180),CU-6020S(180),SE-6020S(180),MN-6020S(180),MG-6020S(180),BE-6020S(180),CO-6020S(180),ZN-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),NA-6020S(180),PB-6020S(180),TL-6020S(180),NI-6020S(180),BA-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2168471-04A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-04B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-04C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-04D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2168471-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2168471-04F	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14)
L2168471-04X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-04Y	Vial Water preserved split	A	NA		2.2	Y	Absent	14-DEC-21 10:20	NYTCL-8260HLW(14)

Project Name: MT. VERNON

Lab Number: L2168471

Project Number: 2908.0008Y000

Report Date: 12/17/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2168471-04Z	Vial Water preserved split	A	NA		2.2	Y	Absent	14-DEC-21 10:20	NYTCL-8260HLW(14)
L2168471-05A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-05B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-05C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-05D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2168471-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2168471-05F	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14)
L2168471-05X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-05Y	Vial Water preserved split	A	NA		2.2	Y	Absent	14-DEC-21 10:20	NYTCL-8260HLW(14)
L2168471-05Z	Vial Water preserved split	A	NA		2.2	Y	Absent	14-DEC-21 10:20	NYTCL-8260HLW(14)
L2168471-06A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-06B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-06C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-06D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2168471-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2168471-06F	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14)
L2168471-06X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-06Y	Vial Water preserved split	A	NA		2.2	Y	Absent	14-DEC-21 10:20	NYTCL-8260HLW(14)
L2168471-06Z	Vial Water preserved split	A	NA		2.2	Y	Absent	14-DEC-21 10:20	NYTCL-8260HLW(14)
L2168471-07A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-07B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-07C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-07D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471**Report Date:** 12/17/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2168471-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2168471-07F	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14)
L2168471-07X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-07Y	Vial Water preserved split	A	NA		2.2	Y	Absent	14-DEC-21 10:20	NYTCL-8260HLW(14)
L2168471-07Z	Vial Water preserved split	A	NA		2.2	Y	Absent	14-DEC-21 10:20	NYTCL-8260HLW(14)
L2168471-08A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-08B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-08C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-08D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2168471-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	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),PB-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2168471-08F	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14)
L2168471-08X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-08Y	Vial Water preserved split	A	NA		2.2	Y	Absent	14-DEC-21 10:20	NYTCL-8260HLW(14)
L2168471-08Z	Vial Water preserved split	A	NA		2.2	Y	Absent	14-DEC-21 10:20	NYTCL-8260HLW(14)
L2168471-09A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-09B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-09C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2168471-09D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2168471-09E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2168471-09F	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14)
L2168471-09X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Serial_No:12172120:01
Lab Number: L2168471
Report Date: 12/17/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2168471-09Y	Vial Water preserved split	A	NA		2.2	Y	Absent	14-DEC-21 10:20	NYTCL-8260HLW(14)
L2168471-09Z	Vial Water preserved split	A	NA		2.2	Y	Absent	14-DEC-21 10:20	NYTCL-8260HLW(14)

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: MT. VERNON
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Lab Number: L2168471
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Footnotes

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. 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.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- 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 Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
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Data Qualifiers

- 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: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168471
Report Date: 12/17/21

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

EPA 625/625.1: alpha-Terpineol

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

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

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

Mansfield Facility

SM 2540D: TSS

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

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

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

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

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

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

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

Non-Potable Water

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

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

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

EPA 624.1: Volatile Halocarbons & Aromatics,

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

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

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

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water


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

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

EPA 245.1 Hg.

SM2340B

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

 ALPHA ANALYTICAL Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	NEW YORK CHAIN OF CUSTODY Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page	Date Rec'd in Lab 12/14/21	ALPHA Job # 2168471									
			of											
Project Information Project Name: NRP Mt. Vernon Project Location: 115 S MacQuestern Pkwy, Mount Vernon, NY			Deliverables <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUiS (1 File) <input type="checkbox"/> EQUiS (4 File) <input type="checkbox"/> Other		Billing Information <input checked="" type="checkbox"/> Same as Client Info PO #									
Client Information Client: Roux Address: 209 Shafter St Islandia, New York 11749 Phone: (631)232-2600 Fax: (631)232-9898 Email: rlombino@rouxinc.com			Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:									
Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:			ANALYSIS											
These samples have been previously analyzed by Alpha [] Other project specific requirements/comments: Lab Filled Metals for "TW-4".			Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input type="checkbox"/> Lab to do (Please Specify below)		o t a l B o t t l e									
Please specify Metals or TAL.			8260C - VOCs 8270D - SVOCs 6020A/7471B - TAL Metals + Mercury 8082A - PCBs											
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date Time	Sample Matrix	Sampler's Initials										
684770)	SB-17-(0-2)	12/13/21	1000	S	PK	X	X	X						6
-02	SB-17-(21-23)		1015	S		X	X	X						6
03	TW-4		1120	W		X	X	X						7
-04	SB-12-(0-2)		1220	S		X	X	X						6
-05	SB-12-(5-7)		1230	S		X	X	X						6
-06	SB-13-(0-2)		1320	S		X	X	X						6
-07	SB-13-(5-7)		1330	S		X	X	X						6
-08	SB-15-(0-2)		1420	S		X	X	X						6
-09	SB-15-(6-8)		1430	S		X	X	X						6
Preservative Code: A = None B = HCl C = HNO3 D = H2SO4 E = NaOH F = MeOH G = NaHSO4 H = NA4S2O3 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: MA1035 Mansfield: Certification No: MA015			Container Type: E A A Preservative: A A A		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 <u>TERMS & CONDITIONS</u> .			
Relinquished By:			Date/Time		Received By:		Date/Time							
[Signature]			12/13/21 17:02		[Signature]		12/13/21 19:00							
[Signature]			12/13/21 00:40		[Signature]		12/13/21 20:30							
[Signature]			12/14/21		[Signature]		12/14/21 02:55							



ANALYTICAL REPORT

Lab Number:	L2168602
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Ronald Lombino
Phone:	(631) 630-2372
Project Name:	MT. VERNON
Project Number:	2908.0008Y000
Report Date:	12/20/21

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

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

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



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2168602-01	SB-16_(0-2)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/14/21 11:20	12/14/21
L2168602-02	SB-16_(4-6)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/14/21 11:30	12/14/21
L2168602-03	SB-14_(0-2)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/14/21 12:20	12/14/21
L2168602-04	SB-14_(3-5)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/14/21 12:30	12/14/21

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

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: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

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.

Semivolatile Organics

L2168602-01D, -02D, -03D, and -04D: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

L2168602-01D, -02D, -03D, and -04D: The sample has elevated detection limits due to the dilution required by the sample matrix.

PCBs

L2168602-01 and -02: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

Total Metals

L2168602-01 through -04: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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

Authorized Signature:



Sebastian Corbin

Title: Technical Director/Representative

Date: 12/20/21

ORGANICS

VOLATILES

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-01
 Client ID: SB-16_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 11:20
 Date Received: 12/14/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/16/21 15:17
 Analyst: AJK
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	4.8	J	ug/kg	5.8	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.80	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	0.35	J	ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.67	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-01
Client ID: SB-16_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 11:20
Date Received: 12/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	1.2	J	ug/kg	2.3	0.65	1
o-Xylene	0.35	J	ug/kg	1.2	0.34	1
Xylenes, Total	1.6	J	ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.0	1
Acetone	13		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.6	0.75	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-01
Client ID: SB-16_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 11:20
Date Received: 12/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	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	0.39	1
1,4-Dioxane	ND		ug/kg	93	41.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1

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

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-02
 Client ID: SB-16_(4-6)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 11:30
 Date Received: 12/14/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/16/21 15:42
 Analyst: AJK
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	3.0	J	ug/kg	6.1	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.85	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.61	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.61	0.19	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	ND		ug/kg	0.61	0.20	1
Toluene	ND		ug/kg	1.2	0.66	1
Ethylbenzene	0.23	J	ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.4	0.71	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-02
Client ID: SB-16_(4-6)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 11:30
Date Received: 12/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.61	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	0.75	J	ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	0.75	J	ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.4	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.61	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.9	0.79	1
Acrylonitrile	ND		ug/kg	4.9	1.4	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-02
Client ID: SB-16_(4-6)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 11:30
Date Received: 12/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.41	1
1,4-Dioxane	ND		ug/kg	97	43.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.22	1
p-Ethyltoluene	ND		ug/kg	2.4	0.47	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-03
 Client ID: SB-14_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 12:20
 Date Received: 12/14/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/16/21 16:07
 Analyst: AJK
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	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	ND		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
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-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	0.49	J	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	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-03
 Client ID: SB-14_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 12:20
 Date Received: 12/14/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
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	1.5	J	ug/kg	2.3	0.64	1
o-Xylene	0.40	J	ug/kg	1.1	0.33	1
Xylenes, Total	1.9	J	ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.16	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
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.6	0.74	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-03
 Client ID: SB-14_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 12:20
 Date Received: 12/14/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	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
1,4-Dioxane	ND		ug/kg	91	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-04
 Client ID: SB-14_(3-5)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 12:30
 Date Received: 12/14/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/16/21 16:33
 Analyst: AJK
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.80	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	0.48	J	ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.67	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-04
Client ID: SB-14_(3-5)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 12:30
Date Received: 12/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	1.6	J	ug/kg	2.3	0.65	1
o-Xylene	0.38	J	ug/kg	1.2	0.34	1
Xylenes, Total	2.0	J	ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.0	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.6	0.75	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-04
Client ID: SB-14_(3-5)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 12:30
Date Received: 12/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	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	0.39	1
1,4-Dioxane	ND		ug/kg	92	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/16/21 08:03
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1584153-5					
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
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-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

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/16/21 08:03
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1584153-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
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	3.4	J	ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
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
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/16/21 08:03
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1584153-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
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
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
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
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1584153-3 WG1584153-4								
Methylene chloride	92		90		70-130	2		30
1,1-Dichloroethane	99		97		70-130	2		30
Chloroform	98		97		70-130	1		30
Carbon tetrachloride	106		105		70-130	1		30
1,2-Dichloropropane	100		100		70-130	0		30
Dibromochloromethane	106		108		70-130	2		30
1,1,2-Trichloroethane	104		105		70-130	1		30
Tetrachloroethene	112		112		70-130	0		30
Chlorobenzene	99		99		70-130	0		30
Trichlorofluoromethane	104		104		70-139	0		30
1,2-Dichloroethane	100		100		70-130	0		30
1,1,1-Trichloroethane	104		102		70-130	2		30
Bromodichloromethane	103		103		70-130	0		30
trans-1,3-Dichloropropene	108		108		70-130	0		30
cis-1,3-Dichloropropene	109		109		70-130	0		30
1,1-Dichloropropene	106		106		70-130	0		30
Bromoform	104		103		70-130	1		30
1,1,2,2-Tetrachloroethane	99		101		70-130	2		30
Benzene	100		98		70-130	2		30
Toluene	98		98		70-130	0		30
Ethylbenzene	101		100		70-130	1		30
Chloromethane	99		96		52-130	3		30
Bromomethane	99		93		57-147	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1584153-3 WG1584153-4								
Vinyl chloride	102		100		67-130	2		30
Chloroethane	106		104		50-151	2		30
1,1-Dichloroethene	102		100		65-135	2		30
trans-1,2-Dichloroethene	102		100		70-130	2		30
Trichloroethene	103		103		70-130	0		30
1,2-Dichlorobenzene	100		100		70-130	0		30
1,3-Dichlorobenzene	102		100		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	104		103		66-130	1		30
p/m-Xylene	107		107		70-130	0		30
o-Xylene	108		108		70-130	0		30
cis-1,2-Dichloroethene	101		100		70-130	1		30
Dibromomethane	106		106		70-130	0		30
Styrene	112		112		70-130	0		30
Dichlorodifluoromethane	108		106		30-146	2		30
Acetone	100		89		54-140	12		30
Carbon disulfide	99		94		59-130	5		30
2-Butanone	109		108		70-130	1		30
Vinyl acetate	115		112		70-130	3		30
4-Methyl-2-pentanone	102		99		70-130	3		30
1,2,3-Trichloropropane	96		99		68-130	3		30
2-Hexanone	101		103		70-130	2		30
Bromochloromethane	108		105		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1584153-3 WG1584153-4								
2,2-Dichloropropane	102		101		70-130	1		30
1,2-Dibromoethane	100		101		70-130	1		30
1,3-Dichloropropane	102		104		69-130	2		30
1,1,1,2-Tetrachloroethane	103		104		70-130	1		30
Bromobenzene	96		96		70-130	0		30
n-Butylbenzene	109		108		70-130	1		30
sec-Butylbenzene	105		104		70-130	1		30
tert-Butylbenzene	101		102		70-130	1		30
o-Chlorotoluene	97		98		70-130	1		30
p-Chlorotoluene	98		99		70-130	1		30
1,2-Dibromo-3-chloropropane	92		93		68-130	1		30
Hexachlorobutadiene	108		108		67-130	0		30
Isopropylbenzene	99		100		70-130	1		30
p-Isopropyltoluene	108		107		70-130	1		30
Naphthalene	106		107		70-130	1		30
Acrylonitrile	110		109		70-130	1		30
n-Propylbenzene	101		101		70-130	0		30
1,2,3-Trichlorobenzene	105		104		70-130	1		30
1,2,4-Trichlorobenzene	106		106		70-130	0		30
1,3,5-Trimethylbenzene	102		102		70-130	0		30
1,2,4-Trimethylbenzene	103		103		70-130	0		30
1,4-Dioxane	99		104		65-136	5		30
p-Diethylbenzene	110		109		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1584153-3 WG1584153-4								
p-Ethyltoluene	102		103		70-130	1		30
1,2,4,5-Tetramethylbenzene	112		110		70-130	2		30
Ethyl ether	102		101		67-130	1		30
trans-1,4-Dichloro-2-butene	102		105		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		100		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	98		94		70-130
Dibromofluoromethane	102		102		70-130

SEMIVOLATILES

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-01 D
 Client ID: SB-16_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 11:20
 Date Received: 12/14/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/16/21 16:17
 Analyst: IM
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 12/15/21 19:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	2000	270	5
1,2,4-Trichlorobenzene	ND		ug/kg	2600	290	5
Hexachlorobenzene	ND		ug/kg	1500	290	5
Bis(2-chloroethyl)ether	ND		ug/kg	2300	350	5
2-Chloronaphthalene	ND		ug/kg	2600	250	5
1,2-Dichlorobenzene	ND		ug/kg	2600	460	5
1,3-Dichlorobenzene	ND		ug/kg	2600	440	5
1,4-Dichlorobenzene	ND		ug/kg	2600	450	5
3,3'-Dichlorobenzidine	ND		ug/kg	2600	680	5
2,4-Dinitrotoluene	ND		ug/kg	2600	510	5
2,6-Dinitrotoluene	ND		ug/kg	2600	440	5
Fluoranthene	ND		ug/kg	1500	300	5
4-Chlorophenyl phenyl ether	ND		ug/kg	2600	270	5
4-Bromophenyl phenyl ether	ND		ug/kg	2600	390	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	3100	440	5
Bis(2-chloroethoxy)methane	ND		ug/kg	2800	260	5
Hexachlorobutadiene	ND		ug/kg	2600	380	5
Hexachlorocyclopentadiene	ND		ug/kg	7300	2300	5
Hexachloroethane	ND		ug/kg	2000	420	5
Isophorone	ND		ug/kg	2300	330	5
Naphthalene	ND		ug/kg	2600	310	5
Nitrobenzene	ND		ug/kg	2300	380	5
NDPA/DPA	ND		ug/kg	2000	290	5
n-Nitrosodi-n-propylamine	ND		ug/kg	2600	400	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	2600	890	5
Butyl benzyl phthalate	ND		ug/kg	2600	650	5
Di-n-butylphthalate	ND		ug/kg	2600	490	5
Di-n-octylphthalate	ND		ug/kg	2600	870	5

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-01 D
 Client ID: SB-16_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 11:20
 Date Received: 12/14/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	2600	240	5
Dimethyl phthalate	ND		ug/kg	2600	540	5
Benzo(a)anthracene	ND		ug/kg	1500	290	5
Benzo(a)pyrene	ND		ug/kg	2000	630	5
Benzo(b)fluoranthene	ND		ug/kg	1500	430	5
Benzo(k)fluoranthene	ND		ug/kg	1500	410	5
Chrysene	ND		ug/kg	1500	270	5
Acenaphthylene	ND		ug/kg	2000	400	5
Anthracene	ND		ug/kg	1500	500	5
Benzo(ghi)perylene	ND		ug/kg	2000	300	5
Fluorene	ND		ug/kg	2600	250	5
Phenanthrene	ND		ug/kg	1500	310	5
Dibenzo(a,h)anthracene	ND		ug/kg	1500	300	5
Indeno(1,2,3-cd)pyrene	ND		ug/kg	2000	360	5
Pyrene	ND		ug/kg	1500	260	5
Biphenyl	ND		ug/kg	5800	600	5
4-Chloroaniline	ND		ug/kg	2600	470	5
2-Nitroaniline	ND		ug/kg	2600	500	5
3-Nitroaniline	ND		ug/kg	2600	480	5
4-Nitroaniline	ND		ug/kg	2600	1100	5
Dibenzofuran	ND		ug/kg	2600	240	5
2-Methylnaphthalene	ND		ug/kg	3100	310	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2600	270	5
Acetophenone	ND		ug/kg	2600	320	5
2,4,6-Trichlorophenol	ND		ug/kg	1500	490	5
p-Chloro-m-cresol	ND		ug/kg	2600	380	5
2-Chlorophenol	ND		ug/kg	2600	300	5
2,4-Dichlorophenol	ND		ug/kg	2300	410	5
2,4-Dimethylphenol	ND		ug/kg	2600	850	5
2-Nitrophenol	ND		ug/kg	5600	970	5
4-Nitrophenol	ND		ug/kg	3600	1000	5
2,4-Dinitrophenol	ND		ug/kg	12000	1200	5
4,6-Dinitro-o-cresol	ND		ug/kg	6700	1200	5
Pentachlorophenol	ND		ug/kg	2000	560	5
Phenol	ND		ug/kg	2600	390	5
2-Methylphenol	ND		ug/kg	2600	400	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	3700	400	5

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-01 D
 Client ID: SB-16_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 11:20
 Date Received: 12/14/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	2600	490	5
Benzoic Acid	ND		ug/kg	8300	2600	5
Benzyl Alcohol	ND		ug/kg	2600	790	5
Carbazole	ND		ug/kg	2600	250	5
1,4-Dioxane	ND		ug/kg	380	120	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	61		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-02 D
 Client ID: SB-16_(4-6)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 11:30
 Date Received: 12/14/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/16/21 17:28
 Analyst: IM
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 12/15/21 19:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	4200	540	10
1,2,4-Trichlorobenzene	ND		ug/kg	5200	600	10
Hexachlorobenzene	ND		ug/kg	3100	580	10
Bis(2-chloroethyl)ether	ND		ug/kg	4700	710	10
2-Chloronaphthalene	ND		ug/kg	5200	520	10
1,2-Dichlorobenzene	ND		ug/kg	5200	940	10
1,3-Dichlorobenzene	ND		ug/kg	5200	900	10
1,4-Dichlorobenzene	ND		ug/kg	5200	910	10
3,3'-Dichlorobenzidine	ND		ug/kg	5200	1400	10
2,4-Dinitrotoluene	ND		ug/kg	5200	1000	10
2,6-Dinitrotoluene	ND		ug/kg	5200	900	10
Fluoranthene	ND		ug/kg	3100	600	10
4-Chlorophenyl phenyl ether	ND		ug/kg	5200	560	10
4-Bromophenyl phenyl ether	ND		ug/kg	5200	800	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	6300	890	10
Bis(2-chloroethoxy)methane	ND		ug/kg	5600	520	10
Hexachlorobutadiene	ND		ug/kg	5200	760	10
Hexachlorocyclopentadiene	ND		ug/kg	15000	4700	10
Hexachloroethane	ND		ug/kg	4200	840	10
Isophorone	ND		ug/kg	4700	680	10
Naphthalene	ND		ug/kg	5200	640	10
Nitrobenzene	ND		ug/kg	4700	770	10
NDPA/DPA	ND		ug/kg	4200	590	10
n-Nitrosodi-n-propylamine	ND		ug/kg	5200	800	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	5200	1800	10
Butyl benzyl phthalate	ND		ug/kg	5200	1300	10
Di-n-butylphthalate	ND		ug/kg	5200	990	10
Di-n-octylphthalate	ND		ug/kg	5200	1800	10

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-02 D
 Client ID: SB-16_(4-6)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 11:30
 Date Received: 12/14/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	5200	480	10
Dimethyl phthalate	ND		ug/kg	5200	1100	10
Benzo(a)anthracene	ND		ug/kg	3100	590	10
Benzo(a)pyrene	ND		ug/kg	4200	1300	10
Benzo(b)fluoranthene	ND		ug/kg	3100	880	10
Benzo(k)fluoranthene	ND		ug/kg	3100	830	10
Chrysene	ND		ug/kg	3100	540	10
Acenaphthylene	ND		ug/kg	4200	800	10
Anthracene	ND		ug/kg	3100	1000	10
Benzo(ghi)perylene	ND		ug/kg	4200	610	10
Fluorene	ND		ug/kg	5200	510	10
Phenanthrene	ND		ug/kg	3100	630	10
Dibenzo(a,h)anthracene	ND		ug/kg	3100	600	10
Indeno(1,2,3-cd)pyrene	ND		ug/kg	4200	730	10
Pyrene	ND		ug/kg	3100	520	10
Biphenyl	ND		ug/kg	12000	1200	10
4-Chloroaniline	ND		ug/kg	5200	950	10
2-Nitroaniline	ND		ug/kg	5200	1000	10
3-Nitroaniline	ND		ug/kg	5200	980	10
4-Nitroaniline	ND		ug/kg	5200	2200	10
Dibenzofuran	ND		ug/kg	5200	490	10
2-Methylnaphthalene	ND		ug/kg	6300	630	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	5200	540	10
Acetophenone	ND		ug/kg	5200	640	10
2,4,6-Trichlorophenol	ND		ug/kg	3100	990	10
p-Chloro-m-cresol	ND		ug/kg	5200	780	10
2-Chlorophenol	ND		ug/kg	5200	620	10
2,4-Dichlorophenol	ND		ug/kg	4700	840	10
2,4-Dimethylphenol	ND		ug/kg	5200	1700	10
2-Nitrophenol	ND		ug/kg	11000	2000	10
4-Nitrophenol	ND		ug/kg	7300	2100	10
2,4-Dinitrophenol	ND		ug/kg	25000	2400	10
4,6-Dinitro-o-cresol	ND		ug/kg	14000	2500	10
Pentachlorophenol	ND		ug/kg	4200	1100	10
Phenol	ND		ug/kg	5200	790	10
2-Methylphenol	ND		ug/kg	5200	810	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	7500	820	10

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-02 D
 Client ID: SB-16_(4-6)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 11:30
 Date Received: 12/14/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	5200	1000	10
Benzoic Acid	ND		ug/kg	17000	5300	10
Benzyl Alcohol	ND		ug/kg	5200	1600	10
Carbazole	ND		ug/kg	5200	510	10
1,4-Dioxane	ND		ug/kg	780	240	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	45		10-136
4-Terphenyl-d14	48		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-03 D
 Client ID: SB-14_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 12:20
 Date Received: 12/14/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/16/21 17:51
 Analyst: IM
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 12/15/21 19:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	2300	300	5
1,2,4-Trichlorobenzene	ND		ug/kg	2900	340	5
Hexachlorobenzene	ND		ug/kg	1800	330	5
Bis(2-chloroethyl)ether	ND		ug/kg	2600	400	5
2-Chloronaphthalene	ND		ug/kg	2900	290	5
1,2-Dichlorobenzene	ND		ug/kg	2900	530	5
1,3-Dichlorobenzene	ND		ug/kg	2900	500	5
1,4-Dichlorobenzene	ND		ug/kg	2900	510	5
3,3'-Dichlorobenzidine	ND		ug/kg	2900	780	5
2,4-Dinitrotoluene	ND		ug/kg	2900	590	5
2,6-Dinitrotoluene	ND		ug/kg	2900	500	5
Fluoranthene	6100		ug/kg	1800	340	5
4-Chlorophenyl phenyl ether	ND		ug/kg	2900	310	5
4-Bromophenyl phenyl ether	ND		ug/kg	2900	450	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	3500	500	5
Bis(2-chloroethoxy)methane	ND		ug/kg	3200	290	5
Hexachlorobutadiene	ND		ug/kg	2900	430	5
Hexachlorocyclopentadiene	ND		ug/kg	8400	2600	5
Hexachloroethane	ND		ug/kg	2300	470	5
Isophorone	ND		ug/kg	2600	380	5
Naphthalene	ND		ug/kg	2900	360	5
Nitrobenzene	ND		ug/kg	2600	430	5
NDPA/DPA	ND		ug/kg	2300	330	5
n-Nitrosodi-n-propylamine	ND		ug/kg	2900	450	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	2900	1000	5
Butyl benzyl phthalate	ND		ug/kg	2900	740	5
Di-n-butylphthalate	ND		ug/kg	2900	560	5
Di-n-octylphthalate	ND		ug/kg	2900	1000	5

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-03 D
 Client ID: SB-14_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 12:20
 Date Received: 12/14/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	2900	270	5
Dimethyl phthalate	ND		ug/kg	2900	620	5
Benzo(a)anthracene	3600		ug/kg	1800	330	5
Benzo(a)pyrene	3800		ug/kg	2300	720	5
Benzo(b)fluoranthene	4800		ug/kg	1800	490	5
Benzo(k)fluoranthene	1800		ug/kg	1800	470	5
Chrysene	3300		ug/kg	1800	300	5
Acenaphthylene	ND		ug/kg	2300	450	5
Anthracene	640	J	ug/kg	1800	570	5
Benzo(ghi)perylene	2700		ug/kg	2300	340	5
Fluorene	ND		ug/kg	2900	280	5
Phenanthrene	1700	J	ug/kg	1800	360	5
Dibenzo(a,h)anthracene	660	J	ug/kg	1800	340	5
Indeno(1,2,3-cd)pyrene	2800		ug/kg	2300	410	5
Pyrene	5800		ug/kg	1800	290	5
Biphenyl	ND		ug/kg	6700	680	5
4-Chloroaniline	ND		ug/kg	2900	530	5
2-Nitroaniline	ND		ug/kg	2900	560	5
3-Nitroaniline	ND		ug/kg	2900	550	5
4-Nitroaniline	ND		ug/kg	2900	1200	5
Dibenzofuran	ND		ug/kg	2900	280	5
2-Methylnaphthalene	ND		ug/kg	3500	350	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2900	310	5
Acetophenone	ND		ug/kg	2900	360	5
2,4,6-Trichlorophenol	ND		ug/kg	1800	560	5
p-Chloro-m-cresol	ND		ug/kg	2900	440	5
2-Chlorophenol	ND		ug/kg	2900	350	5
2,4-Dichlorophenol	ND		ug/kg	2600	470	5
2,4-Dimethylphenol	ND		ug/kg	2900	970	5
2-Nitrophenol	ND		ug/kg	6300	1100	5
4-Nitrophenol	ND		ug/kg	4100	1200	5
2,4-Dinitrophenol	ND		ug/kg	14000	1400	5
4,6-Dinitro-o-cresol	ND		ug/kg	7600	1400	5
Pentachlorophenol	ND		ug/kg	2300	640	5
Phenol	ND		ug/kg	2900	440	5
2-Methylphenol	ND		ug/kg	2900	450	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	4200	460	5

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-03 D
 Client ID: SB-14_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 12:20
 Date Received: 12/14/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	2900	560	5
Benzoic Acid	ND		ug/kg	9500	3000	5
Benzyl Alcohol	ND		ug/kg	2900	900	5
Carbazole	ND		ug/kg	2900	280	5
1,4-Dioxane	ND		ug/kg	440	130	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	65		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-04 D
 Client ID: SB-14_(3-5)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 12:30
 Date Received: 12/14/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/16/21 18:15
 Analyst: IM
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 12/15/21 19:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	2200	280	5
1,2,4-Trichlorobenzene	ND		ug/kg	2700	310	5
Hexachlorobenzene	ND		ug/kg	1600	300	5
Bis(2-chloroethyl)ether	ND		ug/kg	2400	360	5
2-Chloronaphthalene	ND		ug/kg	2700	270	5
1,2-Dichlorobenzene	ND		ug/kg	2700	480	5
1,3-Dichlorobenzene	ND		ug/kg	2700	460	5
1,4-Dichlorobenzene	ND		ug/kg	2700	470	5
3,3'-Dichlorobenzidine	ND		ug/kg	2700	720	5
2,4-Dinitrotoluene	ND		ug/kg	2700	540	5
2,6-Dinitrotoluene	ND		ug/kg	2700	460	5
Fluoranthene	4400		ug/kg	1600	310	5
4-Chlorophenyl phenyl ether	ND		ug/kg	2700	290	5
4-Bromophenyl phenyl ether	ND		ug/kg	2700	410	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	3200	460	5
Bis(2-chloroethoxy)methane	ND		ug/kg	2900	270	5
Hexachlorobutadiene	ND		ug/kg	2700	390	5
Hexachlorocyclopentadiene	ND		ug/kg	7700	2400	5
Hexachloroethane	ND		ug/kg	2200	440	5
Isophorone	ND		ug/kg	2400	350	5
Naphthalene	ND		ug/kg	2700	330	5
Nitrobenzene	ND		ug/kg	2400	400	5
NDPA/DPA	ND		ug/kg	2200	310	5
n-Nitrosodi-n-propylamine	ND		ug/kg	2700	420	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	2700	930	5
Butyl benzyl phthalate	ND		ug/kg	2700	680	5
Di-n-butylphthalate	ND		ug/kg	2700	510	5
Di-n-octylphthalate	ND		ug/kg	2700	920	5

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-04 D
 Client ID: SB-14_(3-5)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 12:30
 Date Received: 12/14/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	2700	250	5
Dimethyl phthalate	ND		ug/kg	2700	570	5
Benzo(a)anthracene	2600		ug/kg	1600	300	5
Benzo(a)pyrene	2800		ug/kg	2200	660	5
Benzo(b)fluoranthene	3600		ug/kg	1600	450	5
Benzo(k)fluoranthene	1200	J	ug/kg	1600	430	5
Chrysene	2500		ug/kg	1600	280	5
Acenaphthylene	ND		ug/kg	2200	420	5
Anthracene	ND		ug/kg	1600	520	5
Benzo(ghi)perylene	2000	J	ug/kg	2200	320	5
Fluorene	ND		ug/kg	2700	260	5
Phenanthrene	1200	J	ug/kg	1600	330	5
Dibenzo(a,h)anthracene	440	J	ug/kg	1600	310	5
Indeno(1,2,3-cd)pyrene	2100	J	ug/kg	2200	380	5
Pyrene	4000		ug/kg	1600	270	5
Biphenyl	ND		ug/kg	6100	620	5
4-Chloroaniline	ND		ug/kg	2700	490	5
2-Nitroaniline	ND		ug/kg	2700	520	5
3-Nitroaniline	ND		ug/kg	2700	510	5
4-Nitroaniline	ND		ug/kg	2700	1100	5
Dibenzofuran	ND		ug/kg	2700	260	5
2-Methylnaphthalene	ND		ug/kg	3200	320	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2700	280	5
Acetophenone	ND		ug/kg	2700	330	5
2,4,6-Trichlorophenol	ND		ug/kg	1600	510	5
p-Chloro-m-cresol	ND		ug/kg	2700	400	5
2-Chlorophenol	ND		ug/kg	2700	320	5
2,4-Dichlorophenol	ND		ug/kg	2400	430	5
2,4-Dimethylphenol	ND		ug/kg	2700	890	5
2-Nitrophenol	ND		ug/kg	5800	1000	5
4-Nitrophenol	ND		ug/kg	3800	1100	5
2,4-Dinitrophenol	ND		ug/kg	13000	1200	5
4,6-Dinitro-o-cresol	ND		ug/kg	7000	1300	5
Pentachlorophenol	ND		ug/kg	2200	590	5
Phenol	ND		ug/kg	2700	410	5
2-Methylphenol	ND		ug/kg	2700	420	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	3900	420	5

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-04 D
 Client ID: SB-14_(3-5)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 12:30
 Date Received: 12/14/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	2700	520	5
Benzoic Acid	ND		ug/kg	8700	2700	5
Benzyl Alcohol	ND		ug/kg	2700	820	5
Carbazole	ND		ug/kg	2700	260	5
1,4-Dioxane	ND		ug/kg	400	120	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	46		30-120
2,4,6-Tribromophenol	45		10-136
4-Terphenyl-d14	41		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/16/21 11:22
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 12/15/21 19:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1583881-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/16/21 11:22
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 12/15/21 19:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1583881-1					
Dimethyl phthalate	ND		ug/kg	160	34.
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.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 12/16/21 11:22
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 12/15/21 19:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1583881-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	73		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1583881-2 WG1583881-3								
Acenaphthene	81		68		31-137	17		50
1,2,4-Trichlorobenzene	77		64		38-107	18		50
Hexachlorobenzene	89		79		40-140	12		50
Bis(2-chloroethyl)ether	78		62		40-140	23		50
2-Chloronaphthalene	84		69		40-140	20		50
1,2-Dichlorobenzene	74		57		40-140	26		50
1,3-Dichlorobenzene	70		53		40-140	28		50
1,4-Dichlorobenzene	72		54		28-104	29		50
3,3'-Dichlorobenzidine	64		64		40-140	0		50
2,4-Dinitrotoluene	93		83		40-132	11		50
2,6-Dinitrotoluene	96		82		40-140	16		50
Fluoranthene	87		76		40-140	13		50
4-Chlorophenyl phenyl ether	82		72		40-140	13		50
4-Bromophenyl phenyl ether	88		77		40-140	13		50
Bis(2-chloroisopropyl)ether	79		64		40-140	21		50
Bis(2-chloroethoxy)methane	82		69		40-117	17		50
Hexachlorobutadiene	77		63		40-140	20		50
Hexachlorocyclopentadiene	70		56		40-140	22		50
Hexachloroethane	74		56		40-140	28		50
Isophorone	80		67		40-140	18		50
Naphthalene	77		62		40-140	22		50
Nitrobenzene	81		67		40-140	19		50
NDPA/DPA	83		74		36-157	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1583881-2 WG1583881-3								
n-Nitrosodi-n-propylamine	80		67		32-121	18		50
Bis(2-ethylhexyl)phthalate	94		82		40-140	14		50
Butyl benzyl phthalate	98		86		40-140	13		50
Di-n-butylphthalate	92		80		40-140	14		50
Di-n-octylphthalate	94		85		40-140	10		50
Diethyl phthalate	86		76		40-140	12		50
Dimethyl phthalate	86		75		40-140	14		50
Benzo(a)anthracene	81		73		40-140	10		50
Benzo(a)pyrene	75		70		40-140	7		50
Benzo(b)fluoranthene	83		78		40-140	6		50
Benzo(k)fluoranthene	82		75		40-140	9		50
Chrysene	81		72		40-140	12		50
Acenaphthylene	81		68		40-140	17		50
Anthracene	82		72		40-140	13		50
Benzo(ghi)perylene	78		70		40-140	11		50
Fluorene	83		72		40-140	14		50
Phenanthrene	81		70		40-140	15		50
Dibenzo(a,h)anthracene	80		73		40-140	9		50
Indeno(1,2,3-cd)pyrene	82		71		40-140	14		50
Pyrene	86		76		35-142	12		50
Biphenyl	85		71		37-127	18		50
4-Chloroaniline	68		61		40-140	11		50
2-Nitroaniline	94		82		47-134	14		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1583881-2 WG1583881-3								
3-Nitroaniline	74		70		26-129	6		50
4-Nitroaniline	90		81		41-125	11		50
Dibenzofuran	81		71		40-140	13		50
2-Methylnaphthalene	80		67		40-140	18		50
1,2,4,5-Tetrachlorobenzene	85		70		40-117	19		50
Acetophenone	85		70		14-144	19		50
2,4,6-Trichlorophenol	90		76		30-130	17		50
p-Chloro-m-cresol	90		76		26-103	17		50
2-Chlorophenol	83		68		25-102	20		50
2,4-Dichlorophenol	89		74		30-130	18		50
2,4-Dimethylphenol	83		70		30-130	17		50
2-Nitrophenol	91		79		30-130	14		50
4-Nitrophenol	87		81		11-114	7		50
2,4-Dinitrophenol	78		73		4-130	7		50
4,6-Dinitro-o-cresol	97		86		10-130	12		50
Pentachlorophenol	87		76		17-109	13		50
Phenol	83		69		26-90	18		50
2-Methylphenol	85		70		30-130.	19		50
3-Methylphenol/4-Methylphenol	91		77		30-130	17		50
2,4,5-Trichlorophenol	91		80		30-130	13		50
Benzoic Acid	21		25		10-110	17		50
Benzyl Alcohol	83		69		40-140	18		50
Carbazole	83		74		54-128	11		50

Lab Control Sample Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1583881-2 WG1583881-3								
1,4-Dioxane	42		24	Q	40-140	55	Q	50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		66		25-120
Phenol-d6	84		70		10-120
Nitrobenzene-d5	81		68		23-120
2-Fluorobiphenyl	81		67		30-120
2,4,6-Tribromophenol	94		86		10-136
4-Terphenyl-d14	87		78		18-120

PCBS

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-01
Client ID: SB-16_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 11:20
Date Received: 12/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/16/21 10:08
Analyst: AWS
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 12/15/21 15:57
Cleanup Method: EPA 3665A
Cleanup Date: 12/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 12/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	94.0	8.35	1	A
Aroclor 1221	ND		ug/kg	94.0	9.42	1	A
Aroclor 1232	ND		ug/kg	94.0	19.9	1	A
Aroclor 1242	ND		ug/kg	94.0	12.7	1	A
Aroclor 1248	ND		ug/kg	94.0	14.1	1	A
Aroclor 1254	15.3	J	ug/kg	94.0	10.3	1	B
Aroclor 1260	ND		ug/kg	94.0	17.4	1	A
Aroclor 1262	ND		ug/kg	94.0	11.9	1	A
Aroclor 1268	ND		ug/kg	94.0	9.74	1	A
PCBs, Total	15.3	J	ug/kg	94.0	8.35	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-02
Client ID: SB-16_(4-6)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 11:30
Date Received: 12/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/16/21 10:16
Analyst: AWS
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 12/15/21 15:57
Cleanup Method: EPA 3665A
Cleanup Date: 12/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 12/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	103	9.18	1	A
Aroclor 1221	ND		ug/kg	103	10.4	1	A
Aroclor 1232	ND		ug/kg	103	21.9	1	A
Aroclor 1242	ND		ug/kg	103	13.9	1	A
Aroclor 1248	ND		ug/kg	103	15.5	1	A
Aroclor 1254	ND		ug/kg	103	11.3	1	A
Aroclor 1260	ND		ug/kg	103	19.1	1	A
Aroclor 1262	ND		ug/kg	103	13.1	1	A
Aroclor 1268	ND		ug/kg	103	10.7	1	A
PCBs, Total	ND		ug/kg	103	9.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 12/16/21 09:20
Analyst: JWL

Extraction Method: EPA 3546
Extraction Date: 12/15/21 15:57
Cleanup Method: EPA 3665A
Cleanup Date: 12/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 12/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1583801-1						
Aroclor 1016	ND		ug/kg	32.0	2.84	A
Aroclor 1221	ND		ug/kg	32.0	3.20	A
Aroclor 1232	ND		ug/kg	32.0	6.78	A
Aroclor 1242	ND		ug/kg	32.0	4.31	A
Aroclor 1248	ND		ug/kg	32.0	4.80	A
Aroclor 1254	ND		ug/kg	32.0	3.50	A
Aroclor 1260	ND		ug/kg	32.0	5.91	A
Aroclor 1262	ND		ug/kg	32.0	4.06	A
Aroclor 1268	ND		ug/kg	32.0	3.31	A
PCBs, Total	ND		ug/kg	32.0	2.84	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	81		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1583801-2 WG1583801-3									
Aroclor 1016	62		66		40-140	6		50	A
Aroclor 1260	67		70		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		72		30-150	A
Decachlorobiphenyl	82		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		76		30-150	B
Decachlorobiphenyl	84		86		30-150	B

METALS

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-01
 Client ID: SB-16_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 11:20
 Date Received: 12/14/21
 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	4600		mg/kg	8.20	2.21	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Antimony, Total	1.42	J	mg/kg	4.10	0.312	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Arsenic, Total	2.30		mg/kg	0.820	0.170	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Barium, Total	61.1		mg/kg	0.820	0.143	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Beryllium, Total	0.172	J	mg/kg	0.410	0.027	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Cadmium, Total	0.615	J	mg/kg	0.820	0.080	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Calcium, Total	10000		mg/kg	8.20	2.87	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Chromium, Total	12.2		mg/kg	0.820	0.079	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Cobalt, Total	4.01		mg/kg	1.64	0.136	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Copper, Total	25.0		mg/kg	0.820	0.212	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Iron, Total	8260		mg/kg	4.10	0.740	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Lead, Total	382		mg/kg	4.10	0.220	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Magnesium, Total	3990		mg/kg	8.20	1.26	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Manganese, Total	163		mg/kg	0.820	0.130	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Mercury, Total	0.121		mg/kg	0.072	0.047	1	12/16/21 20:43	12/20/21 06:56	EPA 7471B	1,7471B	AC
Nickel, Total	12.0		mg/kg	2.05	0.198	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Potassium, Total	1010		mg/kg	205	11.8	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.64	0.212	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Silver, Total	0.254	J	mg/kg	0.820	0.232	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Sodium, Total	196		mg/kg	164	2.58	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.64	0.258	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Vanadium, Total	19.7		mg/kg	0.820	0.166	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW
Zinc, Total	138		mg/kg	4.10	0.240	2	12/16/21 19:55	12/20/21 10:08	EPA 3050B	1,6010D	EW



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-02
 Client ID: SB-16_(4-6)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 11:30
 Date Received: 12/14/21
 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	1560		mg/kg	8.48	2.29	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.24	0.322	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Arsenic, Total	0.204	J	mg/kg	0.848	0.176	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Barium, Total	4.19		mg/kg	0.848	0.148	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Beryllium, Total	ND		mg/kg	0.424	0.028	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Cadmium, Total	0.195	J	mg/kg	0.848	0.083	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Calcium, Total	22700		mg/kg	8.48	2.97	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Chromium, Total	2.00		mg/kg	0.848	0.081	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Cobalt, Total	3.88		mg/kg	1.70	0.141	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Copper, Total	14.6		mg/kg	0.848	0.219	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Iron, Total	6600		mg/kg	4.24	0.766	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Lead, Total	3.08	J	mg/kg	4.24	0.227	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Magnesium, Total	13600		mg/kg	8.48	1.31	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Manganese, Total	80.5		mg/kg	0.848	0.135	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Mercury, Total	0.067	J	mg/kg	0.071	0.046	1	12/16/21 20:43	12/20/21 06:59	EPA 7471B	1,7471B	AC
Nickel, Total	3.45		mg/kg	2.12	0.205	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Potassium, Total	82.9	J	mg/kg	212	12.2	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.70	0.219	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Silver, Total	1.58		mg/kg	0.848	0.240	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Sodium, Total	513		mg/kg	170	2.67	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.70	0.267	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Vanadium, Total	29.4		mg/kg	0.848	0.172	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW
Zinc, Total	15.8		mg/kg	4.24	0.248	2	12/16/21 19:55	12/20/21 11:17	EPA 3050B	1,6010D	EW



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-03
 Client ID: SB-14_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 12:20
 Date Received: 12/14/21
 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	5520		mg/kg	9.71	2.62	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.85	0.369	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Arsenic, Total	1.22		mg/kg	0.971	0.202	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Barium, Total	92.1		mg/kg	0.971	0.169	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Beryllium, Total	0.155	J	mg/kg	0.485	0.032	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Cadmium, Total	0.272	J	mg/kg	0.971	0.095	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Calcium, Total	16900		mg/kg	9.71	3.40	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Chromium, Total	12.1		mg/kg	0.971	0.093	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Cobalt, Total	5.79		mg/kg	1.94	0.161	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Copper, Total	16.7		mg/kg	0.971	0.250	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Iron, Total	9940		mg/kg	4.85	0.876	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Lead, Total	72.6		mg/kg	4.85	0.260	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Magnesium, Total	10800		mg/kg	9.71	1.49	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Manganese, Total	158		mg/kg	0.971	0.154	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Mercury, Total	0.131		mg/kg	0.083	0.054	1	12/16/21 20:43	12/20/21 07:03	EPA 7471B	1,7471B	AC
Nickel, Total	10.6		mg/kg	2.43	0.235	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Potassium, Total	1580		mg/kg	243	14.0	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.94	0.250	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.971	0.275	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Sodium, Total	103	J	mg/kg	194	3.06	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.94	0.306	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Vanadium, Total	18.9		mg/kg	0.971	0.197	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW
Zinc, Total	44.0		mg/kg	4.85	0.284	2	12/16/21 19:55	12/20/21 11:22	EPA 3050B	1,6010D	EW



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-04
 Client ID: SB-14_(3-5)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 12:30
 Date Received: 12/14/21
 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	5760		mg/kg	9.00	2.43	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Antimony, Total	0.945	J	mg/kg	4.50	0.342	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Arsenic, Total	2.08		mg/kg	0.900	0.187	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Barium, Total	94.3		mg/kg	0.900	0.156	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Beryllium, Total	0.216	J	mg/kg	0.450	0.030	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Cadmium, Total	0.333	J	mg/kg	0.900	0.088	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Calcium, Total	5880		mg/kg	9.00	3.15	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Chromium, Total	11.6		mg/kg	0.900	0.086	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Cobalt, Total	5.04		mg/kg	1.80	0.149	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Copper, Total	19.8		mg/kg	0.900	0.232	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Iron, Total	10600		mg/kg	4.50	0.813	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Lead, Total	144		mg/kg	4.50	0.241	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Magnesium, Total	4070		mg/kg	9.00	1.38	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Manganese, Total	164		mg/kg	0.900	0.143	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Mercury, Total	0.224		mg/kg	0.082	0.053	1	12/16/21 20:43	12/20/21 07:06	EPA 7471B	1,7471B	AC
Nickel, Total	9.24		mg/kg	2.25	0.218	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Potassium, Total	1350		mg/kg	225	13.0	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.80	0.232	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.900	0.255	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Sodium, Total	76.3	J	mg/kg	180	2.83	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.80	0.283	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Vanadium, Total	17.4		mg/kg	0.900	0.183	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW
Zinc, Total	119		mg/kg	4.50	0.264	2	12/16/21 19:55	12/20/21 11:27	EPA 3050B	1,6010D	EW



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1584276-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Antimony, Total	ND		mg/kg	2.00	0.152	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Barium, Total	ND		mg/kg	0.400	0.070	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Calcium, Total	ND		mg/kg	4.00	1.40	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Copper, Total	ND		mg/kg	0.400	0.103	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Iron, Total	0.748	J	mg/kg	2.00	0.361	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Lead, Total	ND		mg/kg	2.00	0.107	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Magnesium, Total	0.868	J	mg/kg	4.00	0.616	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Manganese, Total	ND		mg/kg	0.400	0.064	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Potassium, Total	ND		mg/kg	100	5.76	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Silver, Total	ND		mg/kg	0.400	0.113	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Sodium, Total	12.6	J	mg/kg	80.0	1.26	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/16/21 19:55	12/20/21 09:31	1,6010D	EW

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): 01-04 Batch: WG1584278-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	12/16/21 20:43	12/20/21 06:16	1,7471B	AC



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1584276-2 SRM Lot Number: D113-540								
Aluminum, Total	66		-		51-149	-		
Antimony, Total	129		-		20-250	-		
Arsenic, Total	100		-		70-130	-		
Barium, Total	91		-		75-125	-		
Beryllium, Total	90		-		75-125	-		
Cadmium, Total	96		-		75-125	-		
Calcium, Total	93		-		73-128	-		
Chromium, Total	98		-		70-130	-		
Cobalt, Total	98		-		75-125	-		
Copper, Total	97		-		75-125	-		
Iron, Total	91		-		36-164	-		
Lead, Total	97		-		72-128	-		
Magnesium, Total	87		-		63-138	-		
Manganese, Total	94		-		77-123	-		
Nickel, Total	98		-		70-130	-		
Potassium, Total	80		-		59-141	-		
Selenium, Total	98		-		66-134	-		
Silver, Total	100		-		70-131	-		
Sodium, Total	95		-		35-164	-		
Thallium, Total	94		-		70-130	-		
Vanadium, Total	97		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1584276-2 SRM Lot Number: D113-540					
Zinc, Total	96	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1584278-2 SRM Lot Number: D113-540					
Mercury, Total	100	-	60-140	-	

Matrix Spike Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1584276-3 QC Sample: L2100009-453 Client ID: MS Sample												
Aluminum, Total	3050	152	4020	636	Q	-	-		75-125	-		20
Antimony, Total	ND	38.1	19.9	52	Q	-	-		75-125	-		20
Arsenic, Total	5.09	9.15	11.8	73	Q	-	-		75-125	-		20
Barium, Total	31.6	152	139	70	Q	-	-		75-125	-		20
Beryllium, Total	0.173J	3.81	2.63	69	Q	-	-		75-125	-		20
Cadmium, Total	0.343J	4.04	2.64	65	Q	-	-		75-125	-		20
Calcium, Total	44200	762	26000	0	Q	-	-		75-125	-		20
Chromium, Total	8.28	15.2	18.9	70	Q	-	-		75-125	-		20
Cobalt, Total	4.30	38.1	25.6	56	Q	-	-		75-125	-		20
Copper, Total	14.4	19	33.5	100		-	-		75-125	-		20
Iron, Total	9140	76.2	10900	2310	Q	-	-		75-125	-		20
Lead, Total	6.45	40.4	28.4	54	Q	-	-		75-125	-		20
Magnesium, Total	17200	762	6180	0	Q	-	-		75-125	-		20
Manganese, Total	7340	38.1	10200	7500	Q	-	-		75-125	-		20
Nickel, Total	11.9	38.1	34.5	59	Q	-	-		75-125	-		20
Potassium, Total	4340	762	5640	170	Q	-	-		75-125	-		20
Selenium, Total	0.470J	9.15	6.25	68	Q	-	-		75-125	-		20
Silver, Total	0.455	22.9	16.2	69	Q	-	-		75-125	-		20
Sodium, Total	126	762	665	71	Q	-	-		75-125	-		20
Thallium, Total	ND	9.15	3.75	41	Q	-	-		75-125	-		20
Vanadium, Total	4.02	38.1	28.5	64	Q	-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1584276-3 QC Sample: L2100009-453 Client ID: MS Sample									
Zinc, Total	33.3	38.1	60.7	72	Q	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1584278-3 QC Sample: L2100009-453 Client ID: MS Sample									
Mercury, Total	ND	0.129	0.133	103	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1584276-4 QC Sample: L2100009-453 Client ID: DUP Sample						
Aluminum, Total	3050	3620	mg/kg	17		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	5.09	5.48	mg/kg	7		20
Barium, Total	31.6	39.1	mg/kg	21	Q	20
Beryllium, Total	0.173J	0.203	mg/kg	NC		20
Cadmium, Total	0.343J	0.607	mg/kg	NC		20
Calcium, Total	44200	28100	mg/kg	45	Q	20
Chromium, Total	8.28	9.48	mg/kg	14		20
Cobalt, Total	4.30	5.10	mg/kg	17		20
Copper, Total	14.4	15.7	mg/kg	9		20
Iron, Total	9140	10400	mg/kg	13		20
Lead, Total	6.45	6.91	mg/kg	7		20
Magnesium, Total	17200	6180	mg/kg	94	Q	20
Nickel, Total	11.9	14.2	mg/kg	18		20
Potassium, Total	4340	5220	mg/kg	18		20
Selenium, Total	0.470J	0.516J	mg/kg	NC		20
Silver, Total	0.455	0.610	mg/kg	29	Q	20
Sodium, Total	126	115	mg/kg	9		20
Thallium, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1584276-4 QC Sample: L2100009-453 Client ID: DUP Sample					
Vanadium, Total	4.02	4.22	mg/kg	5	20
Zinc, Total	33.3	53.1	mg/kg	46	Q 20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1584276-4 QC Sample: L2100009-453 Client ID: DUP Sample					
Manganese, Total	7340	9620	mg/kg	27	Q 20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1584278-4 QC Sample: L2100009-453 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	20

INORGANICS & MISCELLANEOUS

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-01
Client ID: SB-16_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 11:20
Date Received: 12/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.3		%	0.100	NA	1	-	12/15/21 13:52	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-02
Client ID: SB-16_(4-6)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 11:30
Date Received: 12/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.9		%	0.100	NA	1	-	12/15/21 13:52	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-03
Client ID: SB-14_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 12:20
Date Received: 12/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.8		%	0.100	NA	1	-	12/15/21 13:52	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

SAMPLE RESULTS

Lab ID: L2168602-04
Client ID: SB-14_(3-5)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/14/21 12:30
Date Received: 12/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.4		%	0.100	NA	1	-	12/15/21 13:52	121,2540G	RI



Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1583751-1 QC Sample: L2168598-03 Client ID: DUP Sample						
Solids, Total	91.5	91.6	%	0		20

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Serial_No:12202118:37
Lab Number: L2168602
Report Date: 12/20/21

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(*)
L2168602-01A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2168602-01B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2168602-01C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2168602-01D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2168602-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2168602-01F	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2168602-01X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2168602-01Y	Vial Water preserved split	A	NA		3.2	Y	Absent	15-DEC-21 13:32	NYTCL-8260HLW(14)
L2168602-01Z	Vial Water preserved split	A	NA		3.2	Y	Absent	15-DEC-21 13:32	NYTCL-8260HLW(14)
L2168602-02A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2168602-02B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2168602-02C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2168602-02D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2168602-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	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),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2168602-02F	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2168602-02X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2168602-02Y	Vial Water preserved split	A	NA		3.2	Y	Absent	15-DEC-21 13:32	NYTCL-8260HLW(14)
L2168602-02Z	Vial Water preserved split	A	NA		3.2	Y	Absent	15-DEC-21 13:32	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602**Report Date:** 12/20/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2168602-03A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2168602-03B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2168602-03C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2168602-03D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2168602-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2168602-03F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)
L2168602-03X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2168602-03Y	Vial Water preserved split	A	NA		3.2	Y	Absent	15-DEC-21 13:32	NYTCL-8260HLW(14)
L2168602-03Z	Vial Water preserved split	A	NA		3.2	Y	Absent	15-DEC-21 13:32	NYTCL-8260HLW(14)
L2168602-04A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2168602-04B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2168602-04C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2168602-04D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2168602-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2168602-04F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)
L2168602-04X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2168602-04Y	Vial Water preserved split	A	NA		3.2	Y	Absent	15-DEC-21 13:32	NYTCL-8260HLW(14)
L2168602-04Z	Vial Water preserved split	A	NA		3.2	Y	Absent	15-DEC-21 13:32	NYTCL-8260HLW(14)

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

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.

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. 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.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- 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 Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

Data Qualifiers

- 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: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2168602
Report Date: 12/20/21

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

EPA 625/625.1: alpha-Terpineol

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

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

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

Mansfield Facility

SM 2540D: TSS

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

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

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

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

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

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

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

Non-Potable Water

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

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

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

EPA 624.1: Volatile Halocarbons & Aromatics,

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

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

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

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water


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

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

EPA 245.1 Hg.

SM2340B

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

 Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-8220 FAX: 508-898-9193	NEW YORK CHAIN OF CUSTODY Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1 of	Date Rec'd in Lab 12/14/21	ALPHA Job # 12144607																																																																																				
		Project Information Project Name: NRP Mt. Vernon Project Location: 115 S MacQuestern Pkwy, Mount Vernon, NY Project #: 2908.0008Y000 (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		Billing Information <input checked="" type="checkbox"/> Same as Client Info PO #																																																																																			
Client Information Client: Roux Address: 209 Shafter St Islandia, New York 11749 Phone: (631)232-2600 Fax: (631)232-9898 Email: rlombino@rouxinc.com		Project Manager: Ronald Lombino ALPHAQuote #: Q17040_R2 Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:																																																																																			
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Preservative Code: A = None B = HCl C = HNO3 D = H2SO4 E = NaOH F = MeOH G = NaHSO4 H = NA4S2O3 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		Container Type: E A A A Preservative: A A A A																																																																																					
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Form No: 01-25 (rev. 30-Sept-2013)		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.																																																																																							



ANALYTICAL REPORT

Lab Number:	L2169005
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Ronald Lombino
Phone:	(631) 630-2372
Project Name:	MT. VERNON
Project Number:	2908.0008Y000
Report Date:	12/22/21

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

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

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



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2169005-01	SB-19_(0-2)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/15/21 10:00	12/15/21
L2169005-02	SB-19_(8-10)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/15/21 13:25	12/15/21
L2169005-03	TW-6	WATER	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/15/21 14:30	12/15/21

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

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: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

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

L2169005-03: The sample was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

Total Metals

L2169005-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Dissolved Metals

The WG1584657-3 MS recovery for sodium (40%), performed on L2169005-03, does not apply because the sample concentration is greater than four times the spike amount added.

The WG1584657-4 Laboratory Duplicate RPD for manganese (22%), performed on L2169005-03, is above the acceptance criteria; however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

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

Authorized Signature:  Melissa Sturgis

Title: Technical Director/Representative

Date: 12/22/21

ORGANICS

VOLATILES

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-01
 Client ID: SB-19_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 10:00
 Date Received: 12/15/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/17/21 13:37
 Analyst: AJK
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	590	270	1
1,1-Dichloroethane	82	J	ug/kg	120	17.	1
Chloroform	23	J	ug/kg	180	16.	1
Carbon tetrachloride	ND		ug/kg	120	27.	1
1,2-Dichloropropane	ND		ug/kg	120	15.	1
Dibromochloromethane	ND		ug/kg	120	16.	1
1,1,2-Trichloroethane	ND		ug/kg	120	32.	1
Tetrachloroethene	270		ug/kg	59	23.	1
Chlorobenzene	ND		ug/kg	59	15.	1
Trichlorofluoromethane	ND		ug/kg	470	82.	1
1,2-Dichloroethane	ND		ug/kg	120	30.	1
1,1,1-Trichloroethane	260		ug/kg	59	20.	1
Bromodichloromethane	ND		ug/kg	59	13.	1
trans-1,3-Dichloropropene	ND		ug/kg	120	32.	1
cis-1,3-Dichloropropene	ND		ug/kg	59	19.	1
1,3-Dichloropropene, Total	ND		ug/kg	59	19.	1
1,1-Dichloropropene	ND		ug/kg	59	19.	1
Bromoform	ND		ug/kg	470	29.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	59	20.	1
Benzene	ND		ug/kg	59	20.	1
Toluene	ND		ug/kg	120	64.	1
Ethylbenzene	ND		ug/kg	120	17.	1
Chloromethane	ND		ug/kg	470	110	1
Bromomethane	ND		ug/kg	240	69.	1
Vinyl chloride	ND		ug/kg	120	40.	1
Chloroethane	ND		ug/kg	240	53.	1
1,1-Dichloroethene	ND		ug/kg	120	28.	1
trans-1,2-Dichloroethene	ND		ug/kg	180	16.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-01
Client ID: SB-19_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 10:00
Date Received: 12/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	11000		ug/kg	59	16.	1
1,2-Dichlorobenzene	ND		ug/kg	240	17.	1
1,3-Dichlorobenzene	ND		ug/kg	240	17.	1
1,4-Dichlorobenzene	ND		ug/kg	240	20.	1
Methyl tert butyl ether	ND		ug/kg	240	24.	1
p/m-Xylene	ND		ug/kg	240	66.	1
o-Xylene	ND		ug/kg	120	34.	1
Xylenes, Total	ND		ug/kg	120	34.	1
cis-1,2-Dichloroethene	ND		ug/kg	120	21.	1
1,2-Dichloroethene, Total	ND		ug/kg	120	16.	1
Dibromomethane	ND		ug/kg	240	28.	1
Styrene	ND		ug/kg	120	23.	1
Dichlorodifluoromethane	ND		ug/kg	1200	110	1
Acetone	ND		ug/kg	1200	570	1
Carbon disulfide	ND		ug/kg	1200	540	1
2-Butanone	ND		ug/kg	1200	260	1
Vinyl acetate	ND		ug/kg	1200	250	1
4-Methyl-2-pentanone	ND		ug/kg	1200	150	1
1,2,3-Trichloropropane	ND		ug/kg	240	15.	1
2-Hexanone	ND		ug/kg	1200	140	1
Bromochloromethane	ND		ug/kg	240	24.	1
2,2-Dichloropropane	ND		ug/kg	240	24.	1
1,2-Dibromoethane	ND		ug/kg	120	33.	1
1,3-Dichloropropane	ND		ug/kg	240	20.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	59	16.	1
Bromobenzene	ND		ug/kg	240	17.	1
n-Butylbenzene	ND		ug/kg	120	20.	1
sec-Butylbenzene	ND		ug/kg	120	17.	1
tert-Butylbenzene	ND		ug/kg	240	14.	1
o-Chlorotoluene	ND		ug/kg	240	22.	1
p-Chlorotoluene	ND		ug/kg	240	13.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	350	120	1
Hexachlorobutadiene	ND		ug/kg	470	20.	1
Isopropylbenzene	ND		ug/kg	120	13.	1
p-Isopropyltoluene	ND		ug/kg	120	13.	1
Naphthalene	88	J	ug/kg	470	77.	1
Acrylonitrile	ND		ug/kg	470	140	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-01
Client ID: SB-19_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 10:00
Date Received: 12/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	120	20.	1
1,2,3-Trichlorobenzene	ND		ug/kg	240	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	240	32.	1
1,3,5-Trimethylbenzene	ND		ug/kg	240	23.	1
1,2,4-Trimethylbenzene	ND		ug/kg	240	39.	1
1,4-Dioxane	ND		ug/kg	9400	4100	1
p-Diethylbenzene	ND		ug/kg	240	21.	1
p-Ethyltoluene	ND		ug/kg	240	45.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	240	22.	1
Ethyl ether	ND		ug/kg	240	40.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	590	170	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-02
Client ID: SB-19_(8-10)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 13:25
Date Received: 12/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/17/21 12:47
Analyst: AJK
Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	ND		ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.16	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.85	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.61	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.61	0.19	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	ND		ug/kg	0.61	0.20	1
Toluene	ND		ug/kg	1.2	0.66	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.4	0.71	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-02
Client ID: SB-19_(8-10)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 13:25
Date Received: 12/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.61	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.25	1
p/m-Xylene	ND		ug/kg	2.4	0.69	1
o-Xylene	ND		ug/kg	1.2	0.36	1
Xylenes, Total	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.4	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	6.5	J	ug/kg	12	5.9	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.16	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.61	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.21	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.9	0.80	1
Acrylonitrile	ND		ug/kg	4.9	1.4	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-02
 Client ID: SB-19_(8-10)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 13:25
 Date Received: 12/15/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.41	1
1,4-Dioxane	ND		ug/kg	98	43.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.22	1
p-Ethyltoluene	ND		ug/kg	2.4	0.47	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	137	Q	70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	122		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-03
Client ID: TW-6
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 14:30
Date Received: 12/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/22/21 08:53
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.70	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.59		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-03
Client ID: TW-6
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 14:30
Date Received: 12/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.9		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.2	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-03
Client ID: TW-6
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 14:30
Date Received: 12/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	113		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/17/21 06:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1585236-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	37	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/17/21 06:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1585236-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 12/17/21 06:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1585236-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	105		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/17/21 06:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1585237-5					
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
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.74	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/17/21 06:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1585237-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
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
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
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
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/17/21 06:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1585237-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
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
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
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
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	105		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/22/21 08:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1586757-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/22/21 08:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1586757-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 12/22/21 08:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1586757-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	112		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1585236-3 WG1585236-4								
Methylene chloride	89		89		70-130	0		30
1,1-Dichloroethane	90		91		70-130	1		30
Chloroform	88		88		70-130	0		30
Carbon tetrachloride	96		98		70-130	2		30
1,2-Dichloropropane	92		92		70-130	0		30
Dibromochloromethane	102		100		70-130	2		30
1,1,2-Trichloroethane	99		95		70-130	4		30
Tetrachloroethene	103		105		70-130	2		30
Chlorobenzene	97		98		70-130	1		30
Trichlorofluoromethane	105		106		70-139	1		30
1,2-Dichloroethane	97		96		70-130	1		30
1,1,1-Trichloroethane	93		95		70-130	2		30
Bromodichloromethane	91		90		70-130	1		30
trans-1,3-Dichloropropene	103		101		70-130	2		30
cis-1,3-Dichloropropene	99		97		70-130	2		30
1,1-Dichloropropene	96		98		70-130	2		30
Bromoform	103		99		70-130	4		30
1,1,2,2-Tetrachloroethane	99		95		70-130	4		30
Benzene	93		93		70-130	0		30
Toluene	95		95		70-130	0		30
Ethylbenzene	96		97		70-130	1		30
Chloromethane	82		82		52-130	0		30
Bromomethane	115		116		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1585236-3 WG1585236-4								
Vinyl chloride	92		93		67-130	1		30
Chloroethane	91		92		50-151	1		30
1,1-Dichloroethene	94		96		65-135	2		30
trans-1,2-Dichloroethene	92		93		70-130	1		30
Trichloroethene	94		96		70-130	2		30
1,2-Dichlorobenzene	99		99		70-130	0		30
1,3-Dichlorobenzene	100		100		70-130	0		30
1,4-Dichlorobenzene	99		99		70-130	0		30
Methyl tert butyl ether	100		95		66-130	5		30
p/m-Xylene	98		99		70-130	1		30
o-Xylene	97		98		70-130	1		30
cis-1,2-Dichloroethene	90		91		70-130	1		30
Dibromomethane	96		94		70-130	2		30
Styrene	98		99		70-130	1		30
Dichlorodifluoromethane	90		93		30-146	3		30
Acetone	97		97		54-140	0		30
Carbon disulfide	86		87		59-130	1		30
2-Butanone	95		85		70-130	11		30
Vinyl acetate	103		98		70-130	5		30
4-Methyl-2-pentanone	104		98		70-130	6		30
1,2,3-Trichloropropane	101		97		68-130	4		30
2-Hexanone	100		93		70-130	7		30
Bromochloromethane	94		93		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1585236-3 WG1585236-4								
2,2-Dichloropropane	93		94		70-130	1		30
1,2-Dibromoethane	107		104		70-130	3		30
1,3-Dichloropropane	101		97		69-130	4		30
1,1,1,2-Tetrachloroethane	102		101		70-130	1		30
Bromobenzene	100		99		70-130	1		30
n-Butylbenzene	104		106		70-130	2		30
sec-Butylbenzene	100		101		70-130	1		30
tert-Butylbenzene	98		100		70-130	2		30
o-Chlorotoluene	98		99		70-130	1		30
p-Chlorotoluene	96		97		70-130	1		30
1,2-Dibromo-3-chloropropane	104		100		68-130	4		30
Hexachlorobutadiene	110		112		67-130	2		30
Isopropylbenzene	97		98		70-130	1		30
p-Isopropyltoluene	101		104		70-130	3		30
Naphthalene	100		98		70-130	2		30
Acrylonitrile	96		92		70-130	4		30
n-Propylbenzene	99		101		70-130	2		30
1,2,3-Trichlorobenzene	103		103		70-130	0		30
1,2,4-Trichlorobenzene	105		105		70-130	0		30
1,3,5-Trimethylbenzene	97		98		70-130	1		30
1,2,4-Trimethylbenzene	97		98		70-130	1		30
1,4-Dioxane	111		108		65-136	3		30
p-Diethylbenzene	102		103		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1585236-3 WG1585236-4								
p-Ethyltoluene	98		100		70-130	2		30
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		30
Ethyl ether	95		92		67-130	3		30
trans-1,4-Dichloro-2-butene	105		93		70-130	12		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	96		96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1585237-3 WG1585237-4								
Methylene chloride	89		89		70-130	0		30
1,1-Dichloroethane	90		91		70-130	1		30
Chloroform	88		88		70-130	0		30
Carbon tetrachloride	96		98		70-130	2		30
1,2-Dichloropropane	92		92		70-130	0		30
Dibromochloromethane	102		100		70-130	2		30
1,1,2-Trichloroethane	99		95		70-130	4		30
Tetrachloroethene	103		105		70-130	2		30
Chlorobenzene	97		98		70-130	1		30
Trichlorofluoromethane	105		106		70-139	1		30
1,2-Dichloroethane	97		96		70-130	1		30
1,1,1-Trichloroethane	93		95		70-130	2		30
Bromodichloromethane	91		90		70-130	1		30
trans-1,3-Dichloropropene	103		101		70-130	2		30
cis-1,3-Dichloropropene	99		97		70-130	2		30
1,1-Dichloropropene	96		98		70-130	2		30
Bromoform	103		99		70-130	4		30
1,1,2,2-Tetrachloroethane	99		95		70-130	4		30
Benzene	93		93		70-130	0		30
Toluene	95		95		70-130	0		30
Ethylbenzene	96		97		70-130	1		30
Chloromethane	82		82		52-130	0		30
Bromomethane	115		116		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1585237-3 WG1585237-4								
Vinyl chloride	92		93		67-130	1		30
Chloroethane	91		92		50-151	1		30
1,1-Dichloroethene	94		96		65-135	2		30
trans-1,2-Dichloroethene	92		93		70-130	1		30
Trichloroethene	94		96		70-130	2		30
1,2-Dichlorobenzene	99		99		70-130	0		30
1,3-Dichlorobenzene	100		100		70-130	0		30
1,4-Dichlorobenzene	99		99		70-130	0		30
Methyl tert butyl ether	100		95		66-130	5		30
p/m-Xylene	98		99		70-130	1		30
o-Xylene	97		98		70-130	1		30
cis-1,2-Dichloroethene	90		91		70-130	1		30
Dibromomethane	96		94		70-130	2		30
Styrene	98		99		70-130	1		30
Dichlorodifluoromethane	90		93		30-146	3		30
Acetone	97		97		54-140	0		30
Carbon disulfide	86		87		59-130	1		30
2-Butanone	95		85		70-130	11		30
Vinyl acetate	103		98		70-130	5		30
4-Methyl-2-pentanone	104		98		70-130	6		30
1,2,3-Trichloropropane	101		97		68-130	4		30
2-Hexanone	100		93		70-130	7		30
Bromochloromethane	94		93		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1585237-3 WG1585237-4								
2,2-Dichloropropane	93		94		70-130	1		30
1,2-Dibromoethane	107		104		70-130	3		30
1,3-Dichloropropane	101		97		69-130	4		30
1,1,1,2-Tetrachloroethane	102		101		70-130	1		30
Bromobenzene	100		99		70-130	1		30
n-Butylbenzene	104		106		70-130	2		30
sec-Butylbenzene	100		101		70-130	1		30
tert-Butylbenzene	98		100		70-130	2		30
o-Chlorotoluene	98		99		70-130	1		30
p-Chlorotoluene	96		97		70-130	1		30
1,2-Dibromo-3-chloropropane	104		100		68-130	4		30
Hexachlorobutadiene	110		112		67-130	2		30
Isopropylbenzene	97		98		70-130	1		30
p-Isopropyltoluene	101		104		70-130	3		30
Naphthalene	100		98		70-130	2		30
Acrylonitrile	96		92		70-130	4		30
n-Propylbenzene	99		101		70-130	2		30
1,2,3-Trichlorobenzene	103		103		70-130	0		30
1,2,4-Trichlorobenzene	105		105		70-130	0		30
1,3,5-Trimethylbenzene	97		98		70-130	1		30
1,2,4-Trimethylbenzene	97		98		70-130	1		30
1,4-Dioxane	111		108		65-136	3		30
p-Diethylbenzene	102		103		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1585237-3 WG1585237-4								
p-Ethyltoluene	98		100		70-130	2		30
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		30
Ethyl ether	95		92		67-130	3		30
trans-1,4-Dichloro-2-butene	105		93		70-130	12		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	96		96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1586757-3 WG1586757-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	89		94		63-132	5		20
1,2-Dichloropropane	110		120		70-130	9		20
Dibromochloromethane	91		97		63-130	6		20
1,1,2-Trichloroethane	94		100		70-130	6		20
Tetrachloroethene	98		100		70-130	2		20
Chlorobenzene	100		110		75-130	10		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	95		97		67-130	2		20
Bromodichloromethane	92		96		67-130	4		20
trans-1,3-Dichloropropene	83		90		70-130	8		20
cis-1,3-Dichloropropene	89		93		70-130	4		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	82		89		54-136	8		20
1,1,2,2-Tetrachloroethane	93		100		67-130	7		20
Benzene	100		100		70-130	0		20
Toluene	100		110		70-130	10		20
Ethylbenzene	100		110		70-130	10		20
Chloromethane	130		130		64-130	0		20
Bromomethane	90		78		39-139	14		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1586757-3 WG1586757-4								
Vinyl chloride	130		130		55-140	0		20
Chloroethane	120		130		55-138	8		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	98		100		70-130	2		20
1,2-Dichlorobenzene	96		100		70-130	4		20
1,3-Dichlorobenzene	97		100		70-130	3		20
1,4-Dichlorobenzene	96		100		70-130	4		20
Methyl tert butyl ether	90		100		63-130	11		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	94		98		70-130	4		20
1,2,3-Trichloropropane	95		110		64-130	15		20
Acrylonitrile	120		130		70-130	8		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	100		110		58-148	10		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	94		110		63-138	16		20
Vinyl acetate	97		110		70-130	13		20
4-Methyl-2-pentanone	88		100		59-130	13		20
2-Hexanone	95		110		57-130	15		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1586757-3 WG1586757-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	92		94		63-133	2		20
1,2-Dibromoethane	91		99		70-130	8		20
1,3-Dichloropropane	99		110		70-130	11		20
1,1,1,2-Tetrachloroethane	88		92		64-130	4		20
Bromobenzene	97		100		70-130	3		20
n-Butylbenzene	99		100		53-136	1		20
sec-Butylbenzene	99		100		70-130	1		20
tert-Butylbenzene	94		100		70-130	6		20
o-Chlorotoluene	99		100		70-130	1		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	75		86		41-144	14		20
Hexachlorobutadiene	86		88		63-130	2		20
Isopropylbenzene	100		110		70-130	10		20
p-Isopropyltoluene	95		98		70-130	3		20
Naphthalene	82		94		70-130	14		20
n-Propylbenzene	100		110		69-130	10		20
1,2,3-Trichlorobenzene	84		93		70-130	10		20
1,2,4-Trichlorobenzene	85		93		70-130	9		20
1,3,5-Trimethylbenzene	94		98		64-130	4		20
1,2,4-Trimethylbenzene	95		99		70-130	4		20
1,4-Dioxane	92		96		56-162	4		20
p-Diethylbenzene	92		95		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1586757-3 WG1586757-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	88		91		70-130	3		20
Ethyl ether	110		120		59-134	9		20
trans-1,4-Dichloro-2-butene	98		110		70-130	12		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	103		103		70-130

SEMIVOLATILES

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-01
 Client ID: SB-19_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 10:00
 Date Received: 12/15/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/21 20:21
 Analyst: WR
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 12/18/21 08:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	42	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	2500		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	260		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	110	J	ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-01
 Client ID: SB-19_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 10:00
 Date Received: 12/15/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	1200		ug/kg	110	21.	1
Benzo(a)pyrene	990		ug/kg	150	46.	1
Benzo(b)fluoranthene	1400		ug/kg	110	32.	1
Benzo(k)fluoranthene	320		ug/kg	110	30.	1
Chrysene	1300		ug/kg	110	20.	1
Acenaphthylene	590		ug/kg	150	29.	1
Anthracene	420		ug/kg	110	37.	1
Benzo(ghi)perylene	680		ug/kg	150	22.	1
Fluorene	230		ug/kg	190	18.	1
Phenanthrene	2300		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	170		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	720		ug/kg	150	26.	1
Pyrene	2800		ug/kg	110	19.	1
Biphenyl	57	J	ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	59	J	ug/kg	190	18.	1
2-Methylnaphthalene	160	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	60	J	ug/kg	270	30.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-01
 Client ID: SB-19_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 10:00
 Date Received: 12/15/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	110	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	67		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-02
 Client ID: SB-19_(8-10)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 13:25
 Date Received: 12/15/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/21 20:45
 Analyst: WR
 Percent Solids: 74%

Extraction Method: EPA 3546
 Extraction Date: 12/18/21 08:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	39.	1
1,3-Dichlorobenzene	ND		ug/kg	220	38.	1
1,4-Dichlorobenzene	ND		ug/kg	220	38.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	ND		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	630	200	1
Hexachloroethane	ND		ug/kg	180	35.	1
Isophorone	ND		ug/kg	200	28.	1
Naphthalene	ND		ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	32.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	76.	1
Butyl benzyl phthalate	ND		ug/kg	220	55.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	74.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-02
Client ID: SB-19_(8-10)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 13:25
Date Received: 12/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	ND		ug/kg	130	25.	1
Benzo(a)pyrene	ND		ug/kg	180	54.	1
Benzo(b)fluoranthene	ND		ug/kg	130	37.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	ND		ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	180	34.	1
Anthracene	ND		ug/kg	130	43.	1
Benzo(ghi)perylene	ND		ug/kg	180	26.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	ND		ug/kg	130	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	30.	1
Pyrene	ND		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	500	51.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	91.	1
Dibenzofuran	ND		ug/kg	220	21.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	72.	1
2-Nitrophenol	ND		ug/kg	470	82.	1
4-Nitrophenol	ND		ug/kg	310	89.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	100	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	34.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-02
 Client ID: SB-19_(8-10)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 13:25
 Date Received: 12/15/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Benzoic Acid	ND		ug/kg	710	220	1
Benzyl Alcohol	ND		ug/kg	220	67.	1
Carbazole	ND		ug/kg	220	21.	1
1,4-Dioxane	ND		ug/kg	33	10.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	34		23-120
2-Fluorobiphenyl	36		30-120
2,4,6-Tribromophenol	38		10-136
4-Terphenyl-d14	37		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-03
 Client ID: TW-6
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 14:30
 Date Received: 12/15/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 12/20/21 12:31
 Analyst: WR

Extraction Method: EPA 3510C
 Extraction Date: 12/18/21 08:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	1.8	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-03
Client ID: TW-6
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 14:30
Date Received: 12/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	9.8	J	ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	85		41-149

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-03
 Client ID: TW-6
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 14:30
 Date Received: 12/15/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 12/19/21 14:11
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 12/18/21 08:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.05	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.09	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.04	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	0.02	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	0.11		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.06	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.07	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-03
 Client ID: TW-6
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 14:30
 Date Received: 12/15/21
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	97		41-149

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/18/21 08:14
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 12/17/21 18:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1584819-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/18/21 08:14
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 12/17/21 18:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1584819-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/18/21 08:14
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 12/17/21 18:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1584819-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	78		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/18/21 12:07
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/18/21 01:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1584869-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/18/21 12:07
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/18/21 01:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1584869-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/18/21 12:07
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/18/21 01:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1584869-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	81		41-149

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/18/21 16:53
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 12/18/21 01:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03 Batch: WG1584870-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	0.02	J	ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/18/21 16:53
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 12/18/21 01:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03 Batch: WG1584870-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	110		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1584819-2 WG1584819-3								
Acenaphthene	73		77		31-137	5		50
1,2,4-Trichlorobenzene	71		76		38-107	7		50
Hexachlorobenzene	85		91		40-140	7		50
Bis(2-chloroethyl)ether	68		74		40-140	8		50
2-Chloronaphthalene	77		83		40-140	8		50
1,2-Dichlorobenzene	69		73		40-140	6		50
1,3-Dichlorobenzene	66		71		40-140	7		50
1,4-Dichlorobenzene	67		72		28-104	7		50
3,3'-Dichlorobenzidine	50		49		40-140	2		50
2,4-Dinitrotoluene	88		93		40-132	6		50
2,6-Dinitrotoluene	88		96		40-140	9		50
Fluoranthene	77		82		40-140	6		50
4-Chlorophenyl phenyl ether	77		81		40-140	5		50
4-Bromophenyl phenyl ether	84		87		40-140	4		50
Bis(2-chloroisopropyl)ether	66		71		40-140	7		50
Bis(2-chloroethoxy)methane	73		78		40-117	7		50
Hexachlorobutadiene	73		79		40-140	8		50
Hexachlorocyclopentadiene	60		65		40-140	8		50
Hexachloroethane	69		73		40-140	6		50
Isophorone	70		77		40-140	10		50
Naphthalene	70		75		40-140	7		50
Nitrobenzene	72		78		40-140	8		50
NDPA/DPA	78		81		36-157	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1584819-2 WG1584819-3								
n-Nitrosodi-n-propylamine	68		77		32-121	12		50
Bis(2-ethylhexyl)phthalate	84		88		40-140	5		50
Butyl benzyl phthalate	84		91		40-140	8		50
Di-n-butylphthalate	80		84		40-140	5		50
Di-n-octylphthalate	85		88		40-140	3		50
Diethyl phthalate	80		85		40-140	6		50
Dimethyl phthalate	82		88		40-140	7		50
Benzo(a)anthracene	74		77		40-140	4		50
Benzo(a)pyrene	74		75		40-140	1		50
Benzo(b)fluoranthene	79		81		40-140	3		50
Benzo(k)fluoranthene	82		84		40-140	2		50
Chrysene	75		78		40-140	4		50
Acenaphthylene	74		82		40-140	10		50
Anthracene	76		78		40-140	3		50
Benzo(ghi)perylene	76		78		40-140	3		50
Fluorene	78		82		40-140	5		50
Phenanthrene	73		77		40-140	5		50
Dibenzo(a,h)anthracene	78		81		40-140	4		50
Indeno(1,2,3-cd)pyrene	79		81		40-140	3		50
Pyrene	77		81		35-142	5		50
Biphenyl	79		84		37-127	6		50
4-Chloroaniline	60		80		40-140	29		50
2-Nitroaniline	89		97		47-134	9		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1584819-2 WG1584819-3								
3-Nitroaniline	64		62		26-129	3		50
4-Nitroaniline	83		88		41-125	6		50
Dibenzofuran	75		79		40-140	5		50
2-Methylnaphthalene	74		80		40-140	8		50
1,2,4,5-Tetrachlorobenzene	79		85		40-117	7		50
Acetophenone	75		82		14-144	9		50
2,4,6-Trichlorophenol	84		90		30-130	7		50
p-Chloro-m-cresol	82		89		26-103	8		50
2-Chlorophenol	74		80		25-102	8		50
2,4-Dichlorophenol	80		86		30-130	7		50
2,4-Dimethylphenol	76		82		30-130	8		50
2-Nitrophenol	83		91		30-130	9		50
4-Nitrophenol	82		90		11-114	9		50
2,4-Dinitrophenol	66		78		4-130	17		50
4,6-Dinitro-o-cresol	87		94		10-130	8		50
Pentachlorophenol	73		80		17-109	9		50
Phenol	73		79		26-90	8		50
2-Methylphenol	75		80		30-130.	6		50
3-Methylphenol/4-Methylphenol	80		87		30-130	8		50
2,4,5-Trichlorophenol	88		94		30-130	7		50
Benzoic Acid	13		27		10-110	70	Q	50
Benzyl Alcohol	74		79		40-140	7		50
Carbazole	75		79		54-128	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1584819-2 WG1584819-3								
1,4-Dioxane	47		49		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	68		76		25-120
Phenol-d6	72		80		10-120
Nitrobenzene-d5	71		76		23-120
2-Fluorobiphenyl	71		78		30-120
2,4,6-Tribromophenol	84		91		10-136
4-Terphenyl-d14	75		83		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1584869-2 WG1584869-3								
Acenaphthene	68		78		37-111	14		30
1,2,4-Trichlorobenzene	69		80		39-98	15		30
Hexachlorobenzene	73		87		40-140	18		30
Bis(2-chloroethyl)ether	67		76		40-140	13		30
2-Chloronaphthalene	72		84		40-140	15		30
1,2-Dichlorobenzene	66		76		40-140	14		30
1,3-Dichlorobenzene	67		76		40-140	13		30
1,4-Dichlorobenzene	64		74		36-97	14		30
3,3'-Dichlorobenzidine	50		64		40-140	25		30
2,4-Dinitrotoluene	75		88		48-143	16		30
2,6-Dinitrotoluene	78		98		40-140	23		30
Fluoranthene	73		81		40-140	10		30
4-Chlorophenyl phenyl ether	73		85		40-140	15		30
4-Bromophenyl phenyl ether	80		92		40-140	14		30
Bis(2-chloroisopropyl)ether	73		80		40-140	9		30
Bis(2-chloroethoxy)methane	66		79		40-140	18		30
Hexachlorobutadiene	75		82		40-140	9		30
Hexachlorocyclopentadiene	67		82		40-140	20		30
Hexachloroethane	61		71		40-140	15		30
Isophorone	66		81		40-140	20		30
Naphthalene	67		77		40-140	14		30
Nitrobenzene	65		75		40-140	14		30
NDPA/DPA	70		83		40-140	17		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1584869-2 WG1584869-3								
n-Nitrosodi-n-propylamine	70		83		29-132	17		30
Bis(2-ethylhexyl)phthalate	80		92		40-140	14		30
Butyl benzyl phthalate	80		86		40-140	7		30
Di-n-butylphthalate	68		78		40-140	14		30
Di-n-octylphthalate	84		99		40-140	16		30
Diethyl phthalate	73		87		40-140	18		30
Dimethyl phthalate	69		83		40-140	18		30
Benzo(a)anthracene	74		86		40-140	15		30
Benzo(a)pyrene	73		85		40-140	15		30
Benzo(b)fluoranthene	84		98		40-140	15		30
Benzo(k)fluoranthene	73		87		40-140	18		30
Chrysene	71		81		40-140	13		30
Acenaphthylene	72		85		45-123	17		30
Anthracene	72		79		40-140	9		30
Benzo(ghi)perylene	80		96		40-140	18		30
Fluorene	72		85		40-140	17		30
Phenanthrene	69		78		40-140	12		30
Dibenzo(a,h)anthracene	75		92		40-140	20		30
Indeno(1,2,3-cd)pyrene	74		88		40-140	17		30
Pyrene	68		77		26-127	12		30
Biphenyl	77		90		40-140	16		30
4-Chloroaniline	35	Q	61		40-140	54	Q	30
2-Nitroaniline	75		90		52-143	18		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1584869-2 WG1584869-3								
3-Nitroaniline	51		66		25-145	26		30
4-Nitroaniline	67		81		51-143	19		30
Dibenzofuran	71		81		40-140	13		30
2-Methylnaphthalene	70		82		40-140	16		30
1,2,4,5-Tetrachlorobenzene	77		91		2-134	17		30
Acetophenone	69		83		39-129	18		30
2,4,6-Trichlorophenol	77		94		30-130	20		30
p-Chloro-m-cresol	72		88		23-97	20		30
2-Chlorophenol	70		80		27-123	13		30
2,4-Dichlorophenol	74		85		30-130	14		30
2,4-Dimethylphenol	64		78		30-130	20		30
2-Nitrophenol	70		82		30-130	16		30
4-Nitrophenol	62		68		10-80	9		30
2,4-Dinitrophenol	72		83		20-130	14		30
4,6-Dinitro-o-cresol	87		98		20-164	12		30
Pentachlorophenol	73		87		9-103	18		30
Phenol	57		65		12-110	13		30
2-Methylphenol	65		76		30-130	16		30
3-Methylphenol/4-Methylphenol	68		81		30-130	17		30
2,4,5-Trichlorophenol	80		99		30-130	21		30
Benzoic Acid	91		89		10-164	2		30
Benzyl Alcohol	62		72		26-116	15		30
Carbazole	71		76		55-144	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1584869-2 WG1584869-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	63		73		21-120
Phenol-d6	60		71		10-120
Nitrobenzene-d5	68		82		23-120
2-Fluorobiphenyl	76		91		15-120
2,4,6-Tribromophenol	82		98		10-120
4-Terphenyl-d14	71		85		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03 Batch: WG1584870-2 WG1584870-3								
Acenaphthene	94		86		40-140	9		40
2-Chloronaphthalene	96		88		40-140	9		40
Fluoranthene	109		98		40-140	11		40
Hexachlorobutadiene	93		86		40-140	8		40
Naphthalene	93		86		40-140	8		40
Benzo(a)anthracene	98		89		40-140	10		40
Benzo(a)pyrene	106		95		40-140	11		40
Benzo(b)fluoranthene	115		96		40-140	18		40
Benzo(k)fluoranthene	108		100		40-140	8		40
Chrysene	98		87		40-140	12		40
Acenaphthylene	102		93		40-140	9		40
Anthracene	102		90		40-140	13		40
Benzo(ghi)perylene	94		83		40-140	12		40
Fluorene	102		92		40-140	10		40
Phenanthrene	98		87		40-140	12		40
Dibenzo(a,h)anthracene	105		93		40-140	12		40
Indeno(1,2,3-cd)pyrene	108		96		40-140	12		40
Pyrene	108		98		40-140	10		40
2-Methylnaphthalene	104		95		40-140	9		40
Pentachlorophenol	125		112		40-140	11		40
Hexachlorobenzene	103		92		40-140	11		40
Hexachloroethane	81		76		40-140	6		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
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Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03 Batch: WG1584870-2 WG1584870-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	81		74		21-120
Phenol-d6	72		66		10-120
Nitrobenzene-d5	83		77		23-120
2-Fluorobiphenyl	104		96		15-120
2,4,6-Tribromophenol	124	Q	111		10-120
4-Terphenyl-d14	117		107		41-149

METALS

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-01
 Client ID: SB-19_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 10:00
 Date Received: 12/15/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4740		mg/kg	8.80	2.38	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Antimony, Total	0.634	J	mg/kg	4.40	0.334	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Arsenic, Total	6.54		mg/kg	0.880	0.183	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Barium, Total	77.4		mg/kg	0.880	0.153	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Beryllium, Total	0.211	J	mg/kg	0.440	0.029	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Cadmium, Total	0.748	J	mg/kg	0.880	0.086	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Calcium, Total	2280		mg/kg	8.80	3.08	2	12/17/21 19:29	12/21/21 20:52	EPA 3050B	1,6010D	DL
Chromium, Total	11.4		mg/kg	0.880	0.085	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Cobalt, Total	8.51		mg/kg	1.76	0.146	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Copper, Total	22.6		mg/kg	0.880	0.227	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Iron, Total	12600		mg/kg	4.40	0.795	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Lead, Total	152		mg/kg	4.40	0.236	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Magnesium, Total	1550		mg/kg	8.80	1.36	2	12/17/21 19:29	12/21/21 14:34	EPA 3050B	1,6010D	EW
Manganese, Total	139		mg/kg	0.880	0.140	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Mercury, Total	0.214		mg/kg	0.079	0.052	1	12/17/21 19:53	12/20/21 13:28	EPA 7471B	1,7471B	AC
Nickel, Total	11.1		mg/kg	2.20	0.213	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Potassium, Total	863		mg/kg	220	12.7	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Selenium, Total	0.326	J	mg/kg	1.76	0.227	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.880	0.249	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Sodium, Total	237		mg/kg	176	2.77	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.76	0.277	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Vanadium, Total	14.4		mg/kg	0.880	0.179	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW
Zinc, Total	134		mg/kg	4.40	0.258	2	12/17/21 19:29	12/21/21 12:28	EPA 3050B	1,6010D	EW



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-02
 Client ID: SB-19_(8-10)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 13:25
 Date Received: 12/15/21
 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	8630		mg/kg	10.4	2.82	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	5.22	0.397	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Arsenic, Total	1.83		mg/kg	1.04	0.217	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Barium, Total	71.2		mg/kg	1.04	0.182	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Beryllium, Total	0.219	J	mg/kg	0.522	0.034	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Cadmium, Total	0.606	J	mg/kg	1.04	0.102	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Calcium, Total	1930		mg/kg	10.4	3.65	2	12/17/21 19:29	12/21/21 21:29	EPA 3050B	1,6010D	DL
Chromium, Total	28.9		mg/kg	1.04	0.100	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Cobalt, Total	9.22		mg/kg	2.09	0.173	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Copper, Total	24.1		mg/kg	1.04	0.269	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Iron, Total	16600		mg/kg	5.22	0.943	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Lead, Total	4.33	J	mg/kg	5.22	0.280	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Magnesium, Total	4800		mg/kg	10.4	1.61	2	12/17/21 19:29	12/21/21 14:38	EPA 3050B	1,6010D	EW
Manganese, Total	302		mg/kg	1.04	0.166	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.092	0.060	1	12/17/21 19:53	12/20/21 13:31	EPA 7471B	1,7471B	AC
Nickel, Total	19.0		mg/kg	2.61	0.253	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Potassium, Total	2370		mg/kg	261	15.0	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	2.09	0.269	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	1.04	0.295	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Sodium, Total	146	J	mg/kg	209	3.29	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	2.09	0.329	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Vanadium, Total	30.8		mg/kg	1.04	0.212	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW
Zinc, Total	45.9		mg/kg	5.22	0.306	2	12/17/21 19:29	12/21/21 12:39	EPA 3050B	1,6010D	EW



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-03
 Client ID: TW-6
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 14:30
 Date Received: 12/15/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0211		mg/l	0.0100	0.00327	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Antimony, Dissolved	0.00044	J	mg/l	0.00400	0.00042	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Barium, Dissolved	0.08542		mg/l	0.00050	0.00017	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Calcium, Dissolved	66.9		mg/l	0.100	0.0394	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Chromium, Dissolved	0.00036	J	mg/l	0.00100	0.00017	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Cobalt, Dissolved	0.00048	J	mg/l	0.00050	0.00016	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Copper, Dissolved	0.00071	J	mg/l	0.00100	0.00038	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Iron, Dissolved	0.0525		mg/l	0.0500	0.0191	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Magnesium, Dissolved	21.3		mg/l	0.0700	0.0242	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Manganese, Dissolved	0.00221		mg/l	0.00100	0.00044	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	12/17/21 14:47	12/17/21 20:38	EPA 7470A	1,7470A	NB
Nickel, Dissolved	0.00159	J	mg/l	0.00200	0.00055	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Potassium, Dissolved	4.43		mg/l	0.100	0.0309	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Selenium, Dissolved	0.00202	J	mg/l	0.00500	0.00173	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Sodium, Dissolved	125.		mg/l	0.100	0.0293	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Thallium, Dissolved	0.00033	J	mg/l	0.00100	0.00014	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	12/17/21 14:42	12/20/21 13:42	EPA 3005A	1,6020B	CD



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 03 Batch: WG1584657-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Antimony, Dissolved	0.00116	J	mg/l	0.00400	0.00042	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Sodium, Dissolved	0.0662	J	mg/l	0.100	0.0293	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Thallium, Dissolved	0.00016	J	mg/l	0.00100	0.00014	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD
Zinc, Dissolved	0.00894	J	mg/l	0.01000	0.00341	1	12/17/21 14:42	12/20/21 13:14	1,6020B	CD

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 03 Batch: WG1584659-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	12/17/21 14:47	12/17/21 20:31	1,7470A	NB



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1584727-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Antimony, Total	ND		mg/kg	2.00	0.152	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Barium, Total	ND		mg/kg	0.400	0.070	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Calcium, Total	3.07	J	mg/kg	4.00	1.40	1	12/17/21 19:29	12/21/21 19:37	1,6010D	DL
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Copper, Total	ND		mg/kg	0.400	0.103	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Iron, Total	1.29	J	mg/kg	2.00	0.361	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Lead, Total	ND		mg/kg	2.00	0.107	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Magnesium, Total	1.94	J	mg/kg	4.00	0.616	1	12/17/21 19:29	12/21/21 14:06	1,6010D	EW
Manganese, Total	ND		mg/kg	0.400	0.064	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Potassium, Total	ND		mg/kg	100	5.76	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Silver, Total	ND		mg/kg	0.400	0.113	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Sodium, Total	14.7	J	mg/kg	80.0	1.26	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/17/21 19:29	12/21/21 12:00	1,6010D	EW

Prep Information

Digestion Method: EPA 3050B



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

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): 01-02 Batch: WG1584728-1									
Mercury, Total	ND	mg/kg	0.083	0.054	1	12/17/21 19:53	12/20/21 12:45	1,7471B	AC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Dissolved Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1584657-2								
Aluminum, Dissolved	99		-		80-120	-		
Antimony, Dissolved	95		-		80-120	-		
Arsenic, Dissolved	103		-		80-120	-		
Barium, Dissolved	105		-		80-120	-		
Beryllium, Dissolved	104		-		80-120	-		
Cadmium, Dissolved	105		-		80-120	-		
Calcium, Dissolved	84		-		80-120	-		
Chromium, Dissolved	96		-		80-120	-		
Cobalt, Dissolved	94		-		80-120	-		
Copper, Dissolved	99		-		80-120	-		
Iron, Dissolved	99		-		80-120	-		
Lead, Dissolved	102		-		80-120	-		
Magnesium, Dissolved	103		-		80-120	-		
Manganese, Dissolved	100		-		80-120	-		
Nickel, Dissolved	96		-		80-120	-		
Potassium, Dissolved	102		-		80-120	-		
Selenium, Dissolved	96		-		80-120	-		
Silver, Dissolved	108		-		80-120	-		
Sodium, Dissolved	103		-		80-120	-		
Thallium, Dissolved	103		-		80-120	-		
Vanadium, Dissolved	96		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1584657-2					
Zinc, Dissolved	101	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1584659-2					
Mercury, Dissolved	98	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1584727-2 SRM Lot Number: D113-540					
Aluminum, Total	61	-	51-149	-	
Antimony, Total	143	-	20-250	-	
Arsenic, Total	107	-	70-130	-	
Barium, Total	93	-	75-125	-	
Beryllium, Total	98	-	75-125	-	
Cadmium, Total	100	-	75-125	-	
Calcium, Total	98	-	73-128	-	
Chromium, Total	98	-	70-130	-	
Cobalt, Total	104	-	75-125	-	
Copper, Total	103	-	75-125	-	
Iron, Total	86	-	36-164	-	
Lead, Total	102	-	72-128	-	
Magnesium, Total	83	-	63-138	-	
Manganese, Total	97	-	77-123	-	
Nickel, Total	98	-	70-130	-	
Potassium, Total	84	-	59-141	-	
Selenium, Total	102	-	66-134	-	
Silver, Total	106	-	70-131	-	
Sodium, Total	102	-	35-164	-	
Thallium, Total	96	-	70-130	-	
Vanadium, Total	96	-	74-126	-	



Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1584727-2 SRM Lot Number: D113-540					
Zinc, Total	101	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1584728-2 SRM Lot Number: D113-540					
Mercury, Total	88	-	60-140	-	

Matrix Spike Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1584657-3 QC Sample: L2169005-03 Client ID: TW-6												
Aluminum, Dissolved	0.0211	2	1.98	98		-	-		75-125	-		20
Antimony, Dissolved	0.00044J	0.5	0.4989	100		-	-		75-125	-		20
Arsenic, Dissolved	ND	0.12	0.1182	98		-	-		75-125	-		20
Barium, Dissolved	0.08542	2	2.026	97		-	-		75-125	-		20
Beryllium, Dissolved	ND	0.05	0.04980	100		-	-		75-125	-		20
Cadmium, Dissolved	ND	0.053	0.05065	96		-	-		75-125	-		20
Calcium, Dissolved	66.9	10	77.5	106		-	-		75-125	-		20
Chromium, Dissolved	0.00036J	0.2	0.1900	95		-	-		75-125	-		20
Cobalt, Dissolved	0.00048J	0.5	0.4493	90		-	-		75-125	-		20
Copper, Dissolved	0.00071J	0.25	0.2383	95		-	-		75-125	-		20
Iron, Dissolved	0.0525	1	1.08	103		-	-		75-125	-		20
Lead, Dissolved	ND	0.53	0.5064	96		-	-		75-125	-		20
Magnesium, Dissolved	21.3	10	31.3	100		-	-		75-125	-		20
Manganese, Dissolved	0.00221	0.5	0.4857	97		-	-		75-125	-		20
Nickel, Dissolved	0.00159J	0.5	0.4548	91		-	-		75-125	-		20
Potassium, Dissolved	4.43	10	14.5	101		-	-		75-125	-		20
Selenium, Dissolved	0.00202J	0.12	0.119	99		-	-		75-125	-		20
Silver, Dissolved	ND	0.05	0.05073	101		-	-		75-125	-		20
Sodium, Dissolved	125.	10	129	40	Q	-	-		75-125	-		20
Thallium, Dissolved	0.00033J	0.12	0.1155	96		-	-		75-125	-		20
Vanadium, Dissolved	ND	0.5	0.4792	96		-	-		75-125	-		20

Matrix Spike Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1584657-3 QC Sample: L2169005-03 Client ID: TW-6									
Zinc, Dissolved	ND	0.5	0.4757	95	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1584659-3 QC Sample: L2169005-03 Client ID: TW-6									
Mercury, Dissolved	ND	0.005	0.00465	93	-	-	75-125	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

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): 01-02 QC Batch ID: WG1584727-3 QC Sample: L2168920-01 Client ID: MS Sample									
Aluminum, Total	2960	160	3170	131	Q	-	75-125	-	20
Antimony, Total	0.488J	40.1	35.1	87		-	75-125	-	20
Arsenic, Total	12.7	9.63	13.1	4	Q	-	75-125	-	20
Barium, Total	45.9	160	196	94		-	75-125	-	20
Beryllium, Total	0.130J	4.01	3.96	99		-	75-125	-	20
Cadmium, Total	0.578J	4.25	4.45	105		-	75-125	-	20
Calcium, Total	19800	802	5130	0	Q	-	75-125	-	20
Chromium, Total	13.3	16	23.8	65	Q	-	75-125	-	20
Cobalt, Total	5.91	40.1	40.8	87		-	75-125	-	20
Copper, Total	44.5	20	67.9	117		-	75-125	-	20
Iron, Total	11600	80.2	9290	0	Q	-	75-125	-	20
Lead, Total	50.6	42.5	102	121		-	75-125	-	20
Magnesium, Total	9660	802	3860	0	Q	-	75-125	-	20
Manganese, Total	140	40.1	133	0	Q	-	75-125	-	20
Nickel, Total	18.7	40.1	51.0	80		-	75-125	-	20
Potassium, Total	1440	802	2240	100		-	75-125	-	20
Selenium, Total	0.236J	9.63	9.08	94		-	75-125	-	20
Silver, Total	ND	24.1	22.4	93		-	75-125	-	20
Sodium, Total	698	802	1460	95		-	75-125	-	20
Thallium, Total	ND	9.63	8.39	87		-	75-125	-	20
Vanadium, Total	12.9	40.1	51.4	96		-	75-125	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

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): 01-02 QC Batch ID: WG1584727-3 QC Sample: L2168920-01 Client ID: MS Sample									
Zinc, Total	75.3	40.1	139	159	Q	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1584728-3 QC Sample: L2168920-01 Client ID: MS Sample									
Mercury, Total	0.073	0.135	0.189	86	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1584657-4 QC Sample: L2169005-03 Client ID: TW-6						
Aluminum, Dissolved	0.0211	0.00729J	mg/l	NC		20
Antimony, Dissolved	0.00044J	0.00061J	mg/l	NC		20
Arsenic, Dissolved	ND	ND	mg/l	NC		20
Barium, Dissolved	0.08542	0.07943	mg/l	7		20
Beryllium, Dissolved	ND	ND	mg/l	NC		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Calcium, Dissolved	66.9	64.9	mg/l	3		20
Chromium, Dissolved	0.00036J	0.00039J	mg/l	NC		20
Cobalt, Dissolved	0.00048J	0.00052	mg/l	NC		20
Copper, Dissolved	0.00071J	0.00076J	mg/l	NC		20
Iron, Dissolved	0.0525	0.0242J	mg/l	NC		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Magnesium, Dissolved	21.3	19.8	mg/l	7		20
Manganese, Dissolved	0.00221	0.00178	mg/l	22	Q	20
Nickel, Dissolved	0.00159J	0.00108J	mg/l	NC		20
Potassium, Dissolved	4.43	4.88	mg/l	10		20
Selenium, Dissolved	0.00202J	0.00178J	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Sodium, Dissolved	125.	118	mg/l	6		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1584657-4 QC Sample: L2169005-03 Client ID: TW-6					
Thallium, Dissolved	0.00033J	0.00092J	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1584659-4 QC Sample: L2169005-03 Client ID: TW-6					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1584727-4 QC Sample: L2168920-01 Client ID: DUP Sample					
Aluminum, Total	2960	3280	mg/kg	10	20
Antimony, Total	0.488J	0.530J	mg/kg	NC	20
Arsenic, Total	12.7	4.33	mg/kg	98 Q	20
Barium, Total	45.9	53.7	mg/kg	16	20
Beryllium, Total	0.130J	0.155J	mg/kg	NC	20
Cadmium, Total	0.578J	0.530J	mg/kg	NC	20
Chromium, Total	13.3	10.1	mg/kg	27 Q	20
Cobalt, Total	5.91	5.04	mg/kg	16	20
Copper, Total	44.5	37.7	mg/kg	17	20
Iron, Total	11600	9280	mg/kg	22 Q	20
Lead, Total	50.6	85.0	mg/kg	51 Q	20
Magnesium, Total	9660	3550	mg/kg	93 Q	20
Manganese, Total	140	128	mg/kg	9	20
Nickel, Total	18.7	15.4	mg/kg	19	20
Potassium, Total	1440	1490	mg/kg	3	20
Selenium, Total	0.236J	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	698	724	mg/kg	4	20
Thallium, Total	ND	ND	mg/kg	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1584727-4 QC Sample: L2168920-01 Client ID: DUP Sample					
Vanadium, Total	12.9	12.6	mg/kg	2	20
Zinc, Total	75.3	101	mg/kg	29	Q 20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1584727-4 QC Sample: L2168920-01 Client ID: DUP Sample					
Calcium, Total	19800	11900	mg/kg	50	Q 20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1584728-4 QC Sample: L2168920-01 Client ID: DUP Sample					
Mercury, Total	0.073	0.082	mg/kg	12	20

Project Name: MT. VERNON
Project Number: 2908.0008Y000

**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2169005
Report Date: 12/22/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1584657-6 QC Sample: L2169005-03 Client ID: TW-6						
Barium, Dissolved	0.08542	0.08839	mg/l	3		20
Calcium, Dissolved	66.9	67.6	mg/l	1		20
Magnesium, Dissolved	21.3	21.0	mg/l	1		20
Potassium, Dissolved	4.43	4.40	mg/l	1		20
Sodium, Dissolved	125.	116.	mg/l	7		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1584727-6 QC Sample: L2168920-01 Client ID: DUP Sample						
Aluminum, Total	2960	3200	mg/kg	8		20
Barium, Total	45.9	50.1	mg/kg	9		20
Copper, Total	44.5	47.0	mg/kg	6		20
Iron, Total	11600	12900	mg/kg	11		20
Magnesium, Total	9660	11000	mg/kg	14		20
Manganese, Total	140	158	mg/kg	13		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1584727-6 QC Sample: L2168920-01 Client ID: DUP Sample						
Calcium, Total	19800	21100	mg/kg	7		20

INORGANICS & MISCELLANEOUS

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-01
Client ID: SB-19_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 10:00
Date Received: 12/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	12/17/21 09:35	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169005-02
Client ID: SB-19_(8-10)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/15/21 13:25
Date Received: 12/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.9		%	0.100	NA	1	-	12/17/21 09:35	121,2540G	RI



Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1584529-1 QC Sample: L2168920-01 Client ID: DUP Sample						
Solids, Total	94.2	94.0	%	0		20

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

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(*)
L2169005-01A	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2169005-01B	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2169005-01C	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2169005-01D	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)
L2169005-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.3	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),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),HG-T(28),FE-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2169005-01F	Glass 120ml/4oz unpreserved	A	NA		4.3	Y	Absent		NYTCL-8270(14)
L2169005-01X	Vial MeOH preserved split	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2169005-01Y	Vial Water preserved split	A	NA		4.3	Y	Absent	16-DEC-21 14:51	NYTCL-8260HLW(14)
L2169005-01Z	Vial Water preserved split	A	NA		4.3	Y	Absent	16-DEC-21 14:51	NYTCL-8260HLW(14)
L2169005-02A	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2169005-02B	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2169005-02C	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2169005-02D	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)
L2169005-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2169005-02F	Glass 120ml/4oz unpreserved	A	NA		4.3	Y	Absent		NYTCL-8270(14)
L2169005-02X	Vial MeOH preserved split	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2169005-02Y	Vial Water preserved split	A	NA		4.3	Y	Absent	16-DEC-21 14:51	NYTCL-8260HLW(14)
L2169005-02Z	Vial Water preserved split	A	NA		4.3	Y	Absent	16-DEC-21 14:51	NYTCL-8260HLW(14)

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Serial_No:12222116:27
Lab Number: L2169005
Report Date: 12/22/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2169005-03A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2169005-03B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2169005-03C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2169005-03D	Plastic 250ml unpreserved	A	7	7	4.3	Y	Absent		-
L2169005-03E	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2169005-03F	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2169005-03G	Plastic 250ml HNO3 preserved	A	<2	<2	4.3	Y	Absent		HOLD-METAL-TOTAL(180)
L2169005-03X	Plastic 120ml HNO3 preserved Filtrates	A	NA		4.3	Y	Absent		K-6020S(180),SE-6020S(180),V-6020S(180),CU-6020S(180),MN-6020S(180),ZN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),BA-6020S(180),TL-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

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.

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. 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.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- 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 Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

Data Qualifiers

- 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: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169005
Report Date: 12/22/21

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

EPA 625/625.1: alpha-Terpineol

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

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

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

Mansfield Facility

SM 2540D: TSS

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

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

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

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

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

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

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

Non-Potable Water

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

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

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

EPA 624.1: Volatile Halocarbons & Aromatics,

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

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

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

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water


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

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

EPA 245.1 Hg.

SM2340B

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

 ALPHA ANALYTICAL <small>Environmental Laboratory</small>	NEW YORK CHAIN OF CUSTODY	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page	Date Rec'd in Lab 12/15/21	ALPHA Job # 12169005																				
			of 1																						
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	Mansfield, MA 02048 329 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3286	Project Information Project Name: NRP Mt. Vernon Project Location: 115 S MacQuestern Pkwy, Mount Vernon, NY Project #: 2908.0008Y000 (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUiS (1 File) <input type="checkbox"/> EQUiS (4 File) <input type="checkbox"/> Other	Billing Information <input checked="" type="checkbox"/> Same as Client Info PO#																				
Client Information Client: Roux Address: 209 Shaffer St Islandia, New York 11749 Phone: (631)232-2600 Fax: (631)232-9898 Email: rlombino@rouxinc.com		Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge	Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:																				
These samples have been previously analyzed by Alpha <input type="checkbox"/>			ANALYSIS																						
Other project specific requirements/comments: Lab to Filter Metals for "TW-6".			<table border="1" style="width:100%; border-collapse: collapse; font-size: 0.8em;"> <tr> <th style="width:5%;">8260C - VOCs</th> <th style="width:5%;">8270D- SVOCs</th> <th style="width:10%;">6020A/7471B - TAL Metals + Mercury</th> <th style="width:10%;">8082A - PCBs</th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			8260C - VOCs	8270D- SVOCs	6020A/7471B - TAL Metals + Mercury	8082A - PCBs							X	X	X	X						
8260C - VOCs	8270D- SVOCs	6020A/7471B - TAL Metals + Mercury				8082A - PCBs																			
X	X	X	X																						
Please specify Metals or TAL.			Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)																						
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials					Sample Specific Comments	Total Bottle														
69005-01	SB-19-(10-2)	12/15/21	1000	S	PK	X	X	X				6													
-02	SB-19-(18-10)	↓	1325	S	PK	X	X	X				6													
-03	TW-6	↓	1430	W	PK	X	X	X				7													
Preservative Code: A = None B = HCl C = HNO3 D = H2SO4 E = NaOH F = MeOH G = NaHSO4 H = NA4S2O3 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: MA1035 Mansfield: Certification No: MA015		Container Type: E A A Preservative: A A A		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.																	
		Relinquished By: <i>Paul Mazzella</i> Date/Time: 12/15/21 15:00		Received By: <i>Paul Mazzella</i> Date/Time: 12/15/21 15:00																					
		Relinquished By: <i>Paul Mazzella</i> Date/Time: 12/15/21 16:10		Received By: <i>Paul Mazzella</i> Date/Time: 12/15/21 16:10																					
		Relinquished By: <i>Paul Mazzella</i> Date/Time: 12/15/21 22:00		Received By: <i>Paul Mazzella</i> Date/Time: 12/15/21 23:00																					



ANALYTICAL REPORT

Lab Number:	L2169413
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Ronald Lombino
Phone:	(631) 630-2372
Project Name:	MT. VERNON
Project Number:	2908.0008Y000
Report Date:	12/22/21

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

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



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2169413-01	SB-8_(0-2)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/16/21 08:00	12/16/21
L2169413-02	SB-8_(2-4)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/16/21 08:50	12/16/21
L2169413-03	SB-9_(0-2)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/16/21 10:00	12/16/21
L2169413-04	SB-9_(2-4)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/16/21 10:20	12/16/21
L2169413-05	SB-18_(0-2)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/16/21 13:00	12/16/21
L2169413-06	SB-18_(4-6)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/16/21 13:30	12/16/21

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

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: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

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

L2169413-05: The sample was analyzed as a High Level Methanol in order to quantitate results within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

Semivolatile Organics

The WG1585024-3 LCS recovery, associated with L2169413-01 through -06, is below the acceptance criteria for benzoic acid (4%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

L2169413-01 through -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1585517-3 MS recoveries for aluminum (716%) and iron (0%), performed on L2169413-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1585517-3 MS recoveries, performed on L2169413-01, are outside the acceptance criteria for antimony (67%), calcium (48%), chromium (66%), cobalt (59%), lead (44%), nickel (61%), thallium (58%) and zinc (60%). A post digestion spike was performed and yielded unacceptable recoveries for antimony (78%), calcium (71%), chromium (70%), cobalt (71%), lead (66%), nickel (72%), thallium (67%) and zinc (68%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1585517-3 MS recoveries, performed on L2169413-01, is outside the acceptance criteria for arsenic

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Case Narrative (continued)

(61%), barium (70%), selenium (74%) and sodium (67%). A post digestion spike was performed and was within acceptance criteria.

The WG1585517-3 MS recoveries, performed on L2169413-01, are outside the acceptance criteria for copper (45%). A post digestion spike was performed and yielded unacceptable recoveries for copper (69%). The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

The WG1585519-3 MS recovery, performed on L2169413-01, is outside the acceptance criteria for mercury (44%). A post digestion spike was performed and was within acceptance criteria.

The WG1585517-4 Laboratory Duplicate RPDs for cobalt (31%), lead (28%), manganese (71%), nickel (21%) and sodium (59%), performed on L2169413-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

The WG1585519-4 Laboratory Duplicate RPD for mercury (34%), performed on L2169413-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

The WG1585517-6 serial dilution analysis, associated with L2169413-01, had a %D above the acceptance criteria for aluminum (22%), barium (23%), calcium (24%), iron (26%), lead (29%), magnesium (27%), manganese (26%) and zinc (27%).

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: 12/22/21

ORGANICS

VOLATILES

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-01
 Client ID: SB-8_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 08:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/20/21 12:03
 Analyst: JC
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	2.4		ug/kg	0.60	0.24	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.84	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	1.9		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.66	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-01
Client ID: SB-8_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 08:00
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	75		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	24		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-01
Client ID: SB-8_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 08:00
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	97	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	110		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-02
Client ID: SB-8_(2-4)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 08:50
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/20/21 12:24
Analyst: JC
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	1.1		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.89	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	1.1		ug/kg	0.64	0.21	1
Bromodichloromethane	ND		ug/kg	0.64	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.64	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.1	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	0.21	1
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	ND		ug/kg	1.3	0.70	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.6	0.74	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-02
Client ID: SB-8_(2-4)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 08:50
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	12		ug/kg	0.64	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.72	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.30	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	69		ug/kg	13	6.2	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.64	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.24	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.1	0.83	1
Acrylonitrile	ND		ug/kg	5.1	1.5	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-02
Client ID: SB-8_(2-4)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 08:50
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
1,4-Dioxane	ND		ug/kg	100	45.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.49	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.24	1
Ethyl ether	ND		ug/kg	2.6	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	106		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-03
Client ID: SB-9_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 10:00
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/20/21 12:44
Analyst: JC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	1.8		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.89	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	0.74		ug/kg	0.64	0.21	1
Bromodichloromethane	ND		ug/kg	0.64	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.64	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.1	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	0.21	1
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	ND		ug/kg	1.3	0.70	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.6	0.74	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-03
Client ID: SB-9_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 10:00
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	180		ug/kg	0.64	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.72	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	0.26	J	ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	0.26	J	ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.30	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	23		ug/kg	13	6.2	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.64	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.18	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.24	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.1	0.83	1
Acrylonitrile	ND		ug/kg	5.1	1.5	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-03
Client ID: SB-9_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 10:00
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
1,4-Dioxane	ND		ug/kg	100	45.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.49	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.24	1
Ethyl ether	ND		ug/kg	2.6	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	109		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-04
Client ID: SB-9_(2-4)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 10:20
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/20/21 13:05
Analyst: JC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.4	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.4	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-04
Client ID: SB-9_(2-4)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 10:20
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	18		ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	32		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.22	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.77	1
Acrylonitrile	ND		ug/kg	4.7	1.4	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-04
Client ID: SB-9_(2-4)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 10:20
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.39	1
1,4-Dioxane	ND		ug/kg	94	41.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.22	1
Ethyl ether	ND		ug/kg	2.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	107		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-05
 Client ID: SB-18_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/20/21 13:26
 Analyst: JC
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.9	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.1	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.37	1
Tetrachloroethene	9.6		ug/kg	0.69	0.27	1
Chlorobenzene	ND		ug/kg	0.69	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.96	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.69	0.23	1
Bromodichloromethane	ND		ug/kg	0.69	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	0.69	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.69	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.69	0.22	1
Bromoform	ND		ug/kg	5.5	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.69	0.23	1
Benzene	ND		ug/kg	0.69	0.23	1
Toluene	2.6		ug/kg	1.4	0.75	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.5	1.3	1
Bromomethane	ND		ug/kg	2.8	0.80	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.8	0.62	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-05
Client ID: SB-18_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:00
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	5.0		ug/kg	0.69	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.77	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.8	0.33	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	440	E	ug/kg	14	6.6	1
Carbon disulfide	ND		ug/kg	14	6.3	1
2-Butanone	6.2	J	ug/kg	14	3.1	1
Vinyl acetate	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.8	0.18	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.8	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.8	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.8	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.69	0.18	1
Bromobenzene	ND		ug/kg	2.8	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.8	0.16	1
o-Chlorotoluene	ND		ug/kg	2.8	0.26	1
p-Chlorotoluene	ND		ug/kg	2.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.5	0.90	1
Acrylonitrile	ND		ug/kg	5.5	1.6	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-05
Client ID: SB-18_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:00
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	0.46	1
1,4-Dioxane	ND		ug/kg	110	48.	1
p-Diethylbenzene	ND		ug/kg	2.8	0.24	1
p-Ethyltoluene	ND		ug/kg	2.8	0.53	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.8	0.26	1
Ethyl ether	ND		ug/kg	2.8	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.9	2.0	1

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

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-05
 Client ID: SB-18_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/22/21 09:31
 Analyst: MV
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	370	170	1
1,1-Dichloroethane	ND		ug/kg	73	11.	1
Chloroform	ND		ug/kg	110	10.	1
Carbon tetrachloride	ND		ug/kg	73	17.	1
1,2-Dichloropropane	ND		ug/kg	73	9.2	1
Dibromochloromethane	ND		ug/kg	73	10.	1
1,1,2-Trichloroethane	ND		ug/kg	73	20.	1
Tetrachloroethene	570		ug/kg	37	14.	1
Chlorobenzene	ND		ug/kg	37	9.3	1
Trichlorofluoromethane	ND		ug/kg	290	51.	1
1,2-Dichloroethane	ND		ug/kg	73	19.	1
1,1,1-Trichloroethane	ND		ug/kg	37	12.	1
Bromodichloromethane	ND		ug/kg	37	8.0	1
trans-1,3-Dichloropropene	ND		ug/kg	73	20.	1
cis-1,3-Dichloropropene	ND		ug/kg	37	12.	1
1,3-Dichloropropene, Total	ND		ug/kg	37	12.	1
1,1-Dichloropropene	ND		ug/kg	37	12.	1
Bromoform	ND		ug/kg	290	18.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	37	12.	1
Benzene	ND		ug/kg	37	12.	1
Toluene	ND		ug/kg	73	40.	1
Ethylbenzene	ND		ug/kg	73	10.	1
Chloromethane	ND		ug/kg	290	68.	1
Bromomethane	ND		ug/kg	150	42.	1
Vinyl chloride	ND		ug/kg	73	24.	1
Chloroethane	ND		ug/kg	150	33.	1
1,1-Dichloroethene	ND		ug/kg	73	17.	1
trans-1,2-Dichloroethene	ND		ug/kg	110	10.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-05
Client ID: SB-18_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:00
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	390		ug/kg	37	10.	1
1,2-Dichlorobenzene	ND		ug/kg	150	10.	1
1,3-Dichlorobenzene	ND		ug/kg	150	11.	1
1,4-Dichlorobenzene	ND		ug/kg	150	12.	1
Methyl tert butyl ether	ND		ug/kg	150	15.	1
p/m-Xylene	ND		ug/kg	150	41.	1
o-Xylene	ND		ug/kg	73	21.	1
Xylenes, Total	ND		ug/kg	73	21.	1
cis-1,2-Dichloroethene	ND		ug/kg	73	13.	1
1,2-Dichloroethene, Total	ND		ug/kg	73	10.	1
Dibromomethane	ND		ug/kg	150	17.	1
Styrene	ND		ug/kg	73	14.	1
Dichlorodifluoromethane	ND		ug/kg	730	67.	1
Acetone	420	J	ug/kg	730	350	1
Carbon disulfide	ND		ug/kg	730	330	1
2-Butanone	ND		ug/kg	730	160	1
Vinyl acetate	ND		ug/kg	730	160	1
4-Methyl-2-pentanone	ND		ug/kg	730	94.	1
1,2,3-Trichloropropane	ND		ug/kg	150	9.3	1
2-Hexanone	ND		ug/kg	730	86.	1
Bromochloromethane	ND		ug/kg	150	15.	1
2,2-Dichloropropane	ND		ug/kg	150	15.	1
1,2-Dibromoethane	ND		ug/kg	73	20.	1
1,3-Dichloropropane	ND		ug/kg	150	12.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	37	9.7	1
Bromobenzene	ND		ug/kg	150	11.	1
n-Butylbenzene	ND		ug/kg	73	12.	1
sec-Butylbenzene	ND		ug/kg	73	11.	1
tert-Butylbenzene	ND		ug/kg	150	8.6	1
o-Chlorotoluene	ND		ug/kg	150	14.	1
p-Chlorotoluene	ND		ug/kg	150	7.9	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	220	73.	1
Hexachlorobutadiene	ND		ug/kg	290	12.	1
Isopropylbenzene	ND		ug/kg	73	8.0	1
p-Isopropyltoluene	ND		ug/kg	73	8.0	1
Naphthalene	52	J	ug/kg	290	48.	1
Acrylonitrile	ND		ug/kg	290	84.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-05
 Client ID: SB-18_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	73	12.	1
1,2,3-Trichlorobenzene	ND		ug/kg	150	24.	1
1,2,4-Trichlorobenzene	ND		ug/kg	150	20.	1
1,3,5-Trimethylbenzene	ND		ug/kg	150	14.	1
1,2,4-Trimethylbenzene	ND		ug/kg	150	24.	1
1,4-Dioxane	ND		ug/kg	5900	2600	1
p-Diethylbenzene	ND		ug/kg	150	13.	1
p-Ethyltoluene	ND		ug/kg	150	28.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	150	14.	1
Ethyl ether	ND		ug/kg	150	25.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	370	100	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-06
 Client ID: SB-18_(4-6)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:30
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/20/21 13:46
 Analyst: JC
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	19		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	0.70	J	ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-06
Client ID: SB-18_(4-6)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:30
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	29		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	23		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.6	0.76	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-06
Client ID: SB-18_(4-6)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:30
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	93	41.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.21	1
p-Ethyltoluene	ND		ug/kg	2.3	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	111		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/20/21 10:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06 Batch: WG1586301-5					
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
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-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

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/20/21 10:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06 Batch: WG1586301-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
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	3.0	J	ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
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
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/20/21 10:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06 Batch: WG1586301-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
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
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
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
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	106		70-130

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/22/21 09:00
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1586768-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/22/21 09:00
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1586768-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 12/22/21 09:00
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1586768-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 Batch: WG1586301-3 WG1586301-4								
Methylene chloride	95		94		70-130	1		30
1,1-Dichloroethane	94		92		70-130	2		30
Chloroform	94		93		70-130	1		30
Carbon tetrachloride	102		99		70-130	3		30
1,2-Dichloropropane	92		94		70-130	2		30
Dibromochloromethane	90		99		70-130	10		30
1,1,2-Trichloroethane	88		96		70-130	9		30
Tetrachloroethene	103		102		70-130	1		30
Chlorobenzene	95		96		70-130	1		30
Trichlorofluoromethane	108		103		70-139	5		30
1,2-Dichloroethane	88		91		70-130	3		30
1,1,1-Trichloroethane	101		99		70-130	2		30
Bromodichloromethane	91		95		70-130	4		30
trans-1,3-Dichloropropene	90		96		70-130	6		30
cis-1,3-Dichloropropene	94		101		70-130	7		30
1,1-Dichloropropene	108		105		70-130	3		30
Bromoform	89		91		70-130	2		30
1,1,2,2-Tetrachloroethane	88		95		70-130	8		30
Benzene	98		97		70-130	1		30
Toluene	100		100		70-130	0		30
Ethylbenzene	101		100		70-130	1		30
Chloromethane	94		90		52-130	4		30
Bromomethane	102		97		57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 Batch: WG1586301-3 WG1586301-4								
Vinyl chloride	105		99		67-130	6		30
Chloroethane	99		98		50-151	1		30
1,1-Dichloroethene	102		99		65-135	3		30
trans-1,2-Dichloroethene	98		98		70-130	0		30
Trichloroethene	101		99		70-130	2		30
1,2-Dichlorobenzene	97		94		70-130	3		30
1,3-Dichlorobenzene	100		95		70-130	5		30
1,4-Dichlorobenzene	97		94		70-130	3		30
Methyl tert butyl ether	86		94		66-130	9		30
p/m-Xylene	105		104		70-130	1		30
o-Xylene	105		104		70-130	1		30
cis-1,2-Dichloroethene	95		95		70-130	0		30
Dibromomethane	87		92		70-130	6		30
Styrene	106		105		70-130	1		30
Dichlorodifluoromethane	106		100		30-146	6		30
Acetone	79		82		54-140	4		30
Carbon disulfide	99		95		59-130	4		30
2-Butanone	78		90		70-130	14		30
Vinyl acetate	87		97		70-130	11		30
4-Methyl-2-pentanone	66	Q	81		70-130	20		30
1,2,3-Trichloropropane	86		90		68-130	5		30
2-Hexanone	72		92		70-130	24		30
Bromochloromethane	95		96		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 Batch: WG1586301-3 WG1586301-4								
2,2-Dichloropropane	98		95		70-130	3		30
1,2-Dibromoethane	93		102		70-130	9		30
1,3-Dichloropropane	88		94		69-130	7		30
1,1,1,2-Tetrachloroethane	96		101		70-130	5		30
Bromobenzene	94		92		70-130	2		30
n-Butylbenzene	113		106		70-130	6		30
sec-Butylbenzene	112		105		70-130	6		30
tert-Butylbenzene	109		103		70-130	6		30
o-Chlorotoluene	122		116		70-130	5		30
p-Chlorotoluene	100		97		70-130	3		30
1,2-Dibromo-3-chloropropane	85		91		68-130	7		30
Hexachlorobutadiene	106		100		67-130	6		30
Isopropylbenzene	106		101		70-130	5		30
p-Isopropyltoluene	104		97		70-130	7		30
Naphthalene	91		97		70-130	6		30
Acrylonitrile	82		88		70-130	7		30
n-Propylbenzene	107		102		70-130	5		30
1,2,3-Trichlorobenzene	96		98		70-130	2		30
1,2,4-Trichlorobenzene	100		97		70-130	3		30
1,3,5-Trimethylbenzene	109		103		70-130	6		30
1,2,4-Trimethylbenzene	107		103		70-130	4		30
1,4-Dioxane	87		99		65-136	13		30
p-Diethylbenzene	111		105		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 Batch: WG1586301-3 WG1586301-4								
p-Ethyltoluene	110		104		70-130	6		30
1,2,4,5-Tetramethylbenzene	90		88		70-130	2		30
Ethyl ether	87		96		67-130	10		30
trans-1,4-Dichloro-2-butene	87		96		70-130	10		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		93		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	96		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1586768-3 WG1586768-4								
Methylene chloride	86		87		70-130	1		30
1,1-Dichloroethane	91		92		70-130	1		30
Chloroform	87		89		70-130	2		30
Carbon tetrachloride	81		81		70-130	0		30
1,2-Dichloropropane	97		97		70-130	0		30
Dibromochloromethane	93		94		70-130	1		30
1,1,2-Trichloroethane	94		97		70-130	3		30
Tetrachloroethene	85		86		70-130	1		30
Chlorobenzene	87		88		70-130	1		30
Trichlorofluoromethane	85		87		70-139	2		30
1,2-Dichloroethane	91		91		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	90		92		70-130	2		30
trans-1,3-Dichloropropene	94		94		70-130	0		30
cis-1,3-Dichloropropene	97		98		70-130	1		30
1,1-Dichloropropene	89		90		70-130	1		30
Bromoform	87		89		70-130	2		30
1,1,2,2-Tetrachloroethane	94		95		70-130	1		30
Benzene	90		91		70-130	1		30
Toluene	87		88		70-130	1		30
Ethylbenzene	86		86		70-130	0		30
Chloromethane	97		96		52-130	1		30
Bromomethane	99		101		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1586768-3 WG1586768-4								
Vinyl chloride	89		90		67-130	1		30
Chloroethane	87		88		50-151	1		30
1,1-Dichloroethene	84		86		65-135	2		30
trans-1,2-Dichloroethene	87		87		70-130	0		30
Trichloroethene	88		88		70-130	0		30
1,2-Dichlorobenzene	87		88		70-130	1		30
1,3-Dichlorobenzene	86		88		70-130	2		30
1,4-Dichlorobenzene	86		87		70-130	1		30
Methyl tert butyl ether	93		93		66-130	0		30
p/m-Xylene	88		89		70-130	1		30
o-Xylene	88		89		70-130	1		30
cis-1,2-Dichloroethene	89		89		70-130	0		30
Dibromomethane	93		94		70-130	1		30
Styrene	90		90		70-130	0		30
Dichlorodifluoromethane	92		91		30-146	1		30
Acetone	55		62		54-140	12		30
Carbon disulfide	82		83		59-130	1		30
2-Butanone	66	Q	67	Q	70-130	2		30
Vinyl acetate	92		96		70-130	4		30
4-Methyl-2-pentanone	92		93		70-130	1		30
1,2,3-Trichloropropane	90		90		68-130	0		30
2-Hexanone	78		78		70-130	0		30
Bromochloromethane	89		90		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1586768-3 WG1586768-4								
2,2-Dichloropropane	83		84		70-130	1		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	96		97		69-130	1		30
1,1,1,2-Tetrachloroethane	88		89		70-130	1		30
Bromobenzene	86		88		70-130	2		30
n-Butylbenzene	88		89		70-130	1		30
sec-Butylbenzene	84		86		70-130	2		30
tert-Butylbenzene	83		85		70-130	2		30
o-Chlorotoluene	73		74		70-130	1		30
p-Chlorotoluene	85		88		70-130	3		30
1,2-Dibromo-3-chloropropane	79		80		68-130	1		30
Hexachlorobutadiene	81		83		67-130	2		30
Isopropylbenzene	85		87		70-130	2		30
p-Isopropyltoluene	85		87		70-130	2		30
Naphthalene	84		85		70-130	1		30
Acrylonitrile	100		103		70-130	3		30
n-Propylbenzene	87		88		70-130	1		30
1,2,3-Trichlorobenzene	82		83		70-130	1		30
1,2,4-Trichlorobenzene	85		87		70-130	2		30
1,3,5-Trimethylbenzene	86		86		70-130	0		30
1,2,4-Trimethylbenzene	86		87		70-130	1		30
1,4-Dioxane	91		92		65-136	1		30
p-Diethylbenzene	87		88		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1586768-3 WG1586768-4								
p-Ethyltoluene	87		88		70-130	1		30
1,2,4,5-Tetramethylbenzene	86		87		70-130	1		30
Ethyl ether	99		100		67-130	1		30
trans-1,4-Dichloro-2-butene	78		81		70-130	4		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	98		96		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	99		98		70-130

SEMIVOLATILES

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-01
 Client ID: SB-8_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 08:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/21 17:31
 Analyst: EK
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 12/18/21 11:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	350		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	34	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-01
 Client ID: SB-8_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 08:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	220		ug/kg	120	22.	1
Benzo(a)pyrene	230		ug/kg	150	47.	1
Benzo(b)fluoranthene	300		ug/kg	120	32.	1
Benzo(k)fluoranthene	110	J	ug/kg	120	31.	1
Chrysene	250		ug/kg	120	20.	1
Acenaphthylene	36	J	ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	140	J	ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	130		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	42	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	160		ug/kg	150	27.	1
Pyrene	320		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	31	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-01
 Client ID: SB-8_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 08:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	60		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-02
 Client ID: SB-8_(2-4)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 08:50
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/21 17:55
 Analyst: EK
 Percent Solids: 79%

Extraction Method: EPA 3546
 Extraction Date: 12/18/21 11:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	37.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	160		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-02
Client ID: SB-8_(2-4)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 08:50
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	120		ug/kg	120	23.	1
Benzo(a)pyrene	110	J	ug/kg	170	51.	1
Benzo(b)fluoranthene	140		ug/kg	120	35.	1
Benzo(k)fluoranthene	53	J	ug/kg	120	33.	1
Chrysene	110	J	ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	57	J	ug/kg	170	24.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	41	J	ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	73	J	ug/kg	170	29.	1
Pyrene	140		ug/kg	120	21.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	190	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	68.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	97.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-02
 Client ID: SB-8_(2-4)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 08:50
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	31	9.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	56		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-03
 Client ID: SB-9_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 10:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/21 18:19
 Analyst: EK
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 12/18/21 11:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	70	J	ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-03
 Client ID: SB-9_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 10:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	44	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	59	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	51	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	34	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	36	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	32	J	ug/kg	150	26.	1
Pyrene	63	J	ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-03
 Client ID: SB-9_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 10:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	58		10-136
4-Terphenyl-d14	58		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-04
 Client ID: SB-9_(2-4)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 10:20
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/21 18:42
 Analyst: EK
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 12/18/21 11:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	23	J	ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-04
Client ID: SB-9_(2-4)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 10:20
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	19	J	ug/kg	110	19.	1
Biphenyl	ND		ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-04
 Client ID: SB-9_(2-4)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 10:20
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	62		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-05
 Client ID: SB-18_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/21 19:06
 Analyst: EK
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 12/18/21 11:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	140	J	ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	37.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	1900		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-05
Client ID: SB-18_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:00
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	1000		ug/kg	120	23.	1
Benzo(a)pyrene	1300		ug/kg	170	51.	1
Benzo(b)fluoranthene	1600		ug/kg	120	35.	1
Benzo(k)fluoranthene	530		ug/kg	120	33.	1
Chrysene	1200		ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	180		ug/kg	120	40.	1
Benzo(ghi)perylene	970		ug/kg	170	24.	1
Fluorene	37	J	ug/kg	210	20.	1
Phenanthrene	340		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	210		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	170	29.	1
Pyrene	1600		ug/kg	120	21.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	32	J	ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	190	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	97.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-05
 Client ID: SB-18_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	31	9.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	61		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-06
 Client ID: SB-18_(4-6)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:30
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/20/21 19:29
 Analyst: EK
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 12/18/21 11:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	52	J	ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	20.	1
1,2-Dichlorobenzene	ND		ug/kg	210	37.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	41.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	630		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	160	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	54	J	ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	160	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	100	J	ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	70.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-06
 Client ID: SB-18_(4-6)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:30
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	320		ug/kg	120	23.	1
Benzo(a)pyrene	330		ug/kg	160	51.	1
Benzo(b)fluoranthene	440		ug/kg	120	35.	1
Benzo(k)fluoranthene	140		ug/kg	120	33.	1
Chrysene	360		ug/kg	120	22.	1
Acenaphthylene	68	J	ug/kg	160	32.	1
Anthracene	94	J	ug/kg	120	40.	1
Benzo(ghi)perylene	230		ug/kg	160	24.	1
Fluorene	38	J	ug/kg	210	20.	1
Phenanthrene	350		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	59	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	250		ug/kg	160	29.	1
Pyrene	600		ug/kg	120	21.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	21	J	ug/kg	210	20.	1
2-Methylnaphthalene	31	J	ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	190	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	68.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	97.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	160	46.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-06
Client ID: SB-18_(4-6)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:30
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	63.	1
Carbazole	43	J	ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	31	9.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	39		10-136
4-Terphenyl-d14	56		18-120

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/20/21 13:59
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 12/18/21 11:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1585024-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/20/21 13:59
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 12/18/21 11:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1585024-1					
Dimethyl phthalate	ND		ug/kg	160	35.
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.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 12/20/21 13:59
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 12/18/21 11:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1585024-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	74		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	LCS		LCSD		%Recovery		RPD	
	%Recovery	Qual	%Recovery	Qual	Limits	RPD	Qual	Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1585024-2 WG1585024-3								
Acenaphthene	64		63		31-137	2		50
1,2,4-Trichlorobenzene	62		60		38-107	3		50
Hexachlorobenzene	65		64		40-140	2		50
Bis(2-chloroethyl)ether	65		64		40-140	2		50
2-Chloronaphthalene	64		62		40-140	3		50
1,2-Dichlorobenzene	62		62		40-140	0		50
1,3-Dichlorobenzene	60		60		40-140	0		50
1,4-Dichlorobenzene	60		60		28-104	0		50
3,3'-Dichlorobenzidine	53		54		40-140	2		50
2,4-Dinitrotoluene	66		64		40-132	3		50
2,6-Dinitrotoluene	69		68		40-140	1		50
Fluoranthene	62		62		40-140	0		50
4-Chlorophenyl phenyl ether	62		62		40-140	0		50
4-Bromophenyl phenyl ether	68		66		40-140	3		50
Bis(2-chloroisopropyl)ether	74		74		40-140	0		50
Bis(2-chloroethoxy)methane	68		67		40-117	1		50
Hexachlorobutadiene	68		66		40-140	3		50
Hexachlorocyclopentadiene	59		58		40-140	2		50
Hexachloroethane	65		65		40-140	0		50
Isophorone	74		73		40-140	1		50
Naphthalene	62		61		40-140	2		50
Nitrobenzene	70		68		40-140	3		50
NDPA/DPA	65		64		36-157	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	LCS	Qual	LCS	Qual	%Recovery	RPD	Qual	RPD
	%Recovery		%Recovery		Limits			Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1585024-2 WG1585024-3								
n-Nitrosodi-n-propylamine	75		74		32-121			50
Bis(2-ethylhexyl)phthalate	66		63		40-140			50
Butyl benzyl phthalate	64		64		40-140			50
Di-n-butylphthalate	62		62		40-140			50
Di-n-octylphthalate	64		62		40-140			50
Diethyl phthalate	64		64		40-140			50
Dimethyl phthalate	65		64		40-140			50
Benzo(a)anthracene	60		59		40-140			50
Benzo(a)pyrene	57		56		40-140			50
Benzo(b)fluoranthene	62		62		40-140			50
Benzo(k)fluoranthene	62		62		40-140			50
Chrysene	60		59		40-140			50
Acenaphthylene	62		61		40-140			50
Anthracene	60		60		40-140			50
Benzo(ghi)perylene	61		63		40-140			50
Fluorene	64		63		40-140			50
Phenanthrene	59		59		40-140			50
Dibenzo(a,h)anthracene	61		62		40-140			50
Indeno(1,2,3-cd)pyrene	62		63		40-140			50
Pyrene	61		62		35-142			50
Biphenyl	71		68		37-127			50
4-Chloroaniline	67		70		40-140			50
2-Nitroaniline	68		66		47-134			50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1585024-2 WG1585024-3								
3-Nitroaniline	55		59		26-129	7		50
4-Nitroaniline	61		62		41-125	2		50
Dibenzofuran	63		62		40-140	2		50
2-Methylnaphthalene	67		66		40-140	2		50
1,2,4,5-Tetrachlorobenzene	72		69		40-117	4		50
Acetophenone	72		70		14-144	3		50
2,4,6-Trichlorophenol	67		65		30-130	3		50
p-Chloro-m-cresol	76		74		26-103	3		50
2-Chlorophenol	66		65		25-102	2		50
2,4-Dichlorophenol	68		66		30-130	3		50
2,4-Dimethylphenol	75		73		30-130	3		50
2-Nitrophenol	67		66		30-130	2		50
4-Nitrophenol	70		70		11-114	0		50
2,4-Dinitrophenol	47		31		4-130	41		50
4,6-Dinitro-o-cresol	65		66		10-130	2		50
Pentachlorophenol	54		54		17-109	0		50
Phenol	65		64		26-90	2		50
2-Methylphenol	68		67		30-130.	1		50
3-Methylphenol/4-Methylphenol	76		74		30-130	3		50
2,4,5-Trichlorophenol	68		65		30-130	5		50
Benzoic Acid	14		4	Q	10-110	115	Q	50
Benzyl Alcohol	78		78		40-140	0		50
Carbazole	60		60		54-128	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1585024-2 WG1585024-3								
1,4-Dioxane	53		54		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		65		25-120
Phenol-d6	75		75		10-120
Nitrobenzene-d5	74		73		23-120
2-Fluorobiphenyl	66		63		30-120
2,4,6-Tribromophenol	67		66		10-136
4-Terphenyl-d14	65		65		18-120

METALS

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-01
 Client ID: SB-8_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 08:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6320		mg/kg	8.81	2.38	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.41	0.335	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Arsenic, Total	5.43		mg/kg	0.881	0.183	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Barium, Total	107		mg/kg	0.881	0.153	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Beryllium, Total	0.317	J	mg/kg	0.441	0.029	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Cadmium, Total	0.626	J	mg/kg	0.881	0.086	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Calcium, Total	2590		mg/kg	8.81	3.08	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Chromium, Total	16.3		mg/kg	0.881	0.085	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Cobalt, Total	8.80		mg/kg	1.76	0.146	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Copper, Total	32.7		mg/kg	0.881	0.227	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Iron, Total	13600		mg/kg	4.41	0.796	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Lead, Total	178		mg/kg	4.41	0.236	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Magnesium, Total	2080		mg/kg	8.81	1.36	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Manganese, Total	224		mg/kg	0.881	0.140	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Mercury, Total	0.349		mg/kg	0.091	0.059	1	12/21/21 10:02	12/21/21 16:02	EPA 7471B	1,7471B	AC
Nickel, Total	16.0		mg/kg	2.20	0.213	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Potassium, Total	1190		mg/kg	220	12.7	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Selenium, Total	1.06	J	mg/kg	1.76	0.227	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Silver, Total	0.811	J	mg/kg	0.881	0.249	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Sodium, Total	346		mg/kg	176	2.78	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.76	0.278	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Vanadium, Total	19.2		mg/kg	0.881	0.179	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW
Zinc, Total	128		mg/kg	4.41	0.258	2	12/21/21 09:51	12/22/21 11:58	EPA 3050B	1,6010D	EW



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-02
 Client ID: SB-8_(2-4)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 08:50
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8700		mg/kg	9.68	2.61	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.84	0.368	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Arsenic, Total	5.69		mg/kg	0.968	0.201	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Barium, Total	160		mg/kg	0.968	0.168	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Beryllium, Total	0.426	J	mg/kg	0.484	0.032	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Cadmium, Total	0.842	J	mg/kg	0.968	0.095	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Calcium, Total	1880		mg/kg	9.68	3.39	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Chromium, Total	19.7		mg/kg	0.968	0.093	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Cobalt, Total	5.64		mg/kg	1.94	0.161	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Copper, Total	41.0		mg/kg	0.968	0.250	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Iron, Total	13400		mg/kg	4.84	0.874	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Lead, Total	320		mg/kg	4.84	0.260	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Magnesium, Total	2320		mg/kg	9.68	1.49	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Manganese, Total	262		mg/kg	0.968	0.154	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Mercury, Total	0.612		mg/kg	0.103	0.067	1	12/21/21 10:02	12/21/21 17:08	EPA 7471B	1,7471B	AC
Nickel, Total	11.3		mg/kg	2.42	0.234	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Potassium, Total	1030		mg/kg	242	13.9	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Selenium, Total	1.42	J	mg/kg	1.94	0.250	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Silver, Total	1.61		mg/kg	0.968	0.274	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Sodium, Total	170	J	mg/kg	194	3.05	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.94	0.305	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Vanadium, Total	24.4		mg/kg	0.968	0.197	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW
Zinc, Total	164		mg/kg	4.84	0.284	2	12/21/21 09:51	12/22/21 13:30	EPA 3050B	1,6010D	EW



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-03
 Client ID: SB-9_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 10:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7720		mg/kg	8.81	2.38	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.41	0.335	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Arsenic, Total	3.04		mg/kg	0.881	0.183	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Barium, Total	72.9		mg/kg	0.881	0.153	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Beryllium, Total	0.282	J	mg/kg	0.441	0.029	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Cadmium, Total	0.511	J	mg/kg	0.881	0.086	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Calcium, Total	2810		mg/kg	8.81	3.08	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Chromium, Total	18.5		mg/kg	0.881	0.085	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Cobalt, Total	6.92		mg/kg	1.76	0.146	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Copper, Total	23.9		mg/kg	0.881	0.227	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Iron, Total	14000		mg/kg	4.41	0.796	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Lead, Total	122		mg/kg	4.41	0.236	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Magnesium, Total	2720		mg/kg	8.81	1.36	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Manganese, Total	211		mg/kg	0.881	0.140	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Mercury, Total	0.177		mg/kg	0.073	0.047	1	12/21/21 10:02	12/21/21 17:12	EPA 7471B	1,7471B	AC
Nickel, Total	14.4		mg/kg	2.20	0.213	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Potassium, Total	1660		mg/kg	220	12.7	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Selenium, Total	0.370	J	mg/kg	1.76	0.227	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.881	0.249	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Sodium, Total	203		mg/kg	176	2.78	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.76	0.278	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Vanadium, Total	20.7		mg/kg	0.881	0.179	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW
Zinc, Total	82.9		mg/kg	4.41	0.258	2	12/21/21 09:51	12/22/21 13:35	EPA 3050B	1,6010D	EW



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-04
 Client ID: SB-9_(2-4)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 10:20
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8320		mg/kg	8.85	2.39	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.42	0.336	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Arsenic, Total	2.18		mg/kg	0.885	0.184	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Barium, Total	61.5		mg/kg	0.885	0.154	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Beryllium, Total	0.265	J	mg/kg	0.442	0.029	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Cadmium, Total	0.478	J	mg/kg	0.885	0.087	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Calcium, Total	1350		mg/kg	8.85	3.10	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Chromium, Total	16.2		mg/kg	0.885	0.085	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Cobalt, Total	6.26		mg/kg	1.77	0.147	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Copper, Total	18.7		mg/kg	0.885	0.228	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Iron, Total	13800		mg/kg	4.42	0.799	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Lead, Total	76.4		mg/kg	4.42	0.237	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Magnesium, Total	2510		mg/kg	8.85	1.36	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Manganese, Total	304		mg/kg	0.885	0.141	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Mercury, Total	0.107		mg/kg	0.074	0.049	1	12/21/21 10:02	12/21/21 17:15	EPA 7471B	1,7471B	AC
Nickel, Total	11.5		mg/kg	2.21	0.214	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Potassium, Total	1210		mg/kg	221	12.7	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Selenium, Total	0.301	J	mg/kg	1.77	0.228	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.885	0.250	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Sodium, Total	99.6	J	mg/kg	177	2.79	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.77	0.279	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Vanadium, Total	20.9		mg/kg	0.885	0.180	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW
Zinc, Total	73.3		mg/kg	4.42	0.259	2	12/21/21 09:51	12/22/21 13:40	EPA 3050B	1,6010D	EW



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-05
 Client ID: SB-18_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:00
 Date Received: 12/16/21
 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	8530		mg/kg	9.60	2.59	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.80	0.365	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Arsenic, Total	2.98		mg/kg	0.960	0.200	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Barium, Total	73.8		mg/kg	0.960	0.167	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Beryllium, Total	0.259	J	mg/kg	0.480	0.032	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Cadmium, Total	0.586	J	mg/kg	0.960	0.094	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Calcium, Total	6220		mg/kg	9.60	3.36	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Chromium, Total	19.3		mg/kg	0.960	0.092	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Cobalt, Total	10.5		mg/kg	1.92	0.159	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Copper, Total	43.4		mg/kg	0.960	0.248	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Iron, Total	15800		mg/kg	4.80	0.867	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Lead, Total	87.0		mg/kg	4.80	0.257	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Magnesium, Total	2890		mg/kg	9.60	1.48	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Manganese, Total	218		mg/kg	0.960	0.153	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Mercury, Total	0.136		mg/kg	0.089	0.058	1	12/21/21 10:02	12/21/21 17:18	EPA 7471B	1,7471B	AC
Nickel, Total	10.3		mg/kg	2.40	0.232	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Potassium, Total	1050		mg/kg	240	13.8	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.92	0.248	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.960	0.272	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Sodium, Total	130	J	mg/kg	192	3.02	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.92	0.302	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Vanadium, Total	25.2		mg/kg	0.960	0.195	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW
Zinc, Total	96.1		mg/kg	4.80	0.281	2	12/21/21 09:51	12/22/21 14:04	EPA 3050B	1,6010D	EW



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-06
 Client ID: SB-18_(4-6)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:30
 Date Received: 12/16/21
 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	8070		mg/kg	9.54	2.58	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.77	0.363	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Arsenic, Total	2.82		mg/kg	0.954	0.198	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Barium, Total	65.1		mg/kg	0.954	0.166	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Beryllium, Total	0.267	J	mg/kg	0.477	0.032	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Cadmium, Total	0.420	J	mg/kg	0.954	0.094	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Calcium, Total	2550		mg/kg	9.54	3.34	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Chromium, Total	15.7		mg/kg	0.954	0.092	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Cobalt, Total	4.79		mg/kg	1.91	0.158	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Copper, Total	16.5		mg/kg	0.954	0.246	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Iron, Total	12400		mg/kg	4.77	0.862	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Lead, Total	81.3		mg/kg	4.77	0.256	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Magnesium, Total	2140		mg/kg	9.54	1.47	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Manganese, Total	175		mg/kg	0.954	0.152	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Mercury, Total	0.142		mg/kg	0.093	0.061	1	12/21/21 10:02	12/21/21 17:22	EPA 7471B	1,7471B	AC
Nickel, Total	7.95		mg/kg	2.39	0.231	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Potassium, Total	747		mg/kg	239	13.7	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.91	0.246	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.954	0.270	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Sodium, Total	66.5	J	mg/kg	191	3.01	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.91	0.301	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Vanadium, Total	20.6		mg/kg	0.954	0.194	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW
Zinc, Total	99.7		mg/kg	4.77	0.280	2	12/21/21 09:51	12/22/21 14:09	EPA 3050B	1,6010D	EW



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1585517-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Antimony, Total	ND		mg/kg	2.00	0.152	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Barium, Total	ND		mg/kg	0.400	0.070	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Calcium, Total	ND		mg/kg	4.00	1.40	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Copper, Total	ND		mg/kg	0.400	0.103	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Iron, Total	1.61	J	mg/kg	2.00	0.361	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Lead, Total	ND		mg/kg	2.00	0.107	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Manganese, Total	ND		mg/kg	0.400	0.064	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Potassium, Total	ND		mg/kg	100	5.76	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Silver, Total	ND		mg/kg	0.400	0.113	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Sodium, Total	3.39	J	mg/kg	80.0	1.26	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/21/21 09:51	12/22/21 11:35	1,6010D	EW

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1585519-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	12/21/21 10:02	12/21/21 15:56	1,7471B	AC



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1585517-2 SRM Lot Number: D113-540								
Aluminum, Total	69		-		51-149	-		
Antimony, Total	170		-		20-250	-		
Arsenic, Total	93		-		70-130	-		
Barium, Total	88		-		75-125	-		
Beryllium, Total	94		-		75-125	-		
Cadmium, Total	88		-		75-125	-		
Calcium, Total	89		-		73-128	-		
Chromium, Total	91		-		70-130	-		
Cobalt, Total	90		-		75-125	-		
Copper, Total	87		-		75-125	-		
Iron, Total	92		-		36-164	-		
Lead, Total	90		-		72-128	-		
Magnesium, Total	83		-		63-138	-		
Manganese, Total	87		-		77-123	-		
Nickel, Total	90		-		70-130	-		
Potassium, Total	79		-		59-141	-		
Selenium, Total	92		-		66-134	-		
Silver, Total	91		-		70-131	-		
Sodium, Total	94		-		35-164	-		
Thallium, Total	87		-		70-130	-		
Vanadium, Total	90		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1585517-2 SRM Lot Number: D113-540					
Zinc, Total	88	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1585519-2 SRM Lot Number: D113-540					
Mercury, Total	77	-	60-140	-	

Matrix Spike Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1585517-3 QC Sample: L2169413-01 Client ID: SB-8_(0-2)												
Aluminum, Total	6320	179	7600	716	Q	-	-		75-125	-		20
Antimony, Total	ND	44.7	30.0	67	Q	-	-		75-125	-		20
Arsenic, Total	5.43	10.7	12.0	61	Q	-	-		75-125	-		20
Barium, Total	107	179	233	70	Q	-	-		75-125	-		20
Beryllium, Total	0.317J	4.47	3.58	80		-	-		75-125	-		20
Cadmium, Total	0.626J	4.74	3.76	79		-	-		75-125	-		20
Calcium, Total	2590	894	3020	48	Q	-	-		75-125	-		20
Chromium, Total	16.3	17.9	28.2	66	Q	-	-		75-125	-		20
Cobalt, Total	8.80	44.7	35.3	59	Q	-	-		75-125	-		20
Copper, Total	32.7	22.3	42.8	45	Q	-	-		75-125	-		20
Iron, Total	13600	89.4	12600	0	Q	-	-		75-125	-		20
Lead, Total	178	47.4	199	44	Q	-	-		75-125	-		20
Magnesium, Total	2080	894	3070	111		-	-		75-125	-		20
Manganese, Total	224	44.7	262	85		-	-		75-125	-		20
Nickel, Total	16.0	44.7	43.4	61	Q	-	-		75-125	-		20
Potassium, Total	1190	894	2030	94		-	-		75-125	-		20
Selenium, Total	1.06J	10.7	7.98	74	Q	-	-		75-125	-		20
Silver, Total	0.811J	26.8	20.0	75		-	-		75-125	-		20
Sodium, Total	346	894	946	67	Q	-	-		75-125	-		20
Thallium, Total	ND	10.7	6.26	58	Q	-	-		75-125	-		20
Vanadium, Total	19.2	44.7	52.8	75		-	-		75-125	-		20

Matrix Spike Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1585517-3 QC Sample: L2169413-01 Client ID: SB-8_(0-2)									
Zinc, Total	128	44.7	155	60	Q	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1585519-3 QC Sample: L2169413-01 Client ID: SB-8_(0-2)									
Mercury, Total	0.349	0.188	0.432	44	Q	-	80-120	-	20

Lab Duplicate Analysis Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1585517-4 QC Sample: L2169413-01 Client ID: SB-8_(0-2)						
Aluminum, Total	6320	6900	mg/kg	9		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	5.43	5.15	mg/kg	5		20
Barium, Total	107	128	mg/kg	18		20
Beryllium, Total	0.317J	0.312J	mg/kg	NC		20
Cadmium, Total	0.626J	0.740J	mg/kg	NC		20
Calcium, Total	2590	2360	mg/kg	9		20
Chromium, Total	16.3	15.4	mg/kg	6		20
Cobalt, Total	8.80	6.45	mg/kg	31	Q	20
Copper, Total	32.7	34.3	mg/kg	5		20
Iron, Total	13600	14600	mg/kg	7		20
Lead, Total	178	236	mg/kg	28	Q	20
Magnesium, Total	2080	2480	mg/kg	18		20
Manganese, Total	224	468	mg/kg	71	Q	20
Nickel, Total	16.0	13.0	mg/kg	21	Q	20
Potassium, Total	1190	1460	mg/kg	20		20
Selenium, Total	1.06J	0.865J	mg/kg	NC		20
Silver, Total	0.811J	0.722J	mg/kg	NC		20
Sodium, Total	346	189	mg/kg	59	Q	20



Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1585517-4 QC Sample: L2169413-01 Client ID: SB-8_(0-2)					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	19.2	21.7	mg/kg	12	20
Zinc, Total	128	139	mg/kg	8	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1585519-4 QC Sample: L2169413-01 Client ID: SB-8_(0-2)					
Mercury, Total	0.349	0.247	mg/kg	34	Q 20

Project Name: MT. VERNON
Project Number: 2908.0008Y000

**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2169413
Report Date: 12/22/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1585517-6 QC Sample: L2169413-01 Client ID: SB-8_(0-2)						
Aluminum, Total	6320	7740	mg/kg	22	Q	20
Barium, Total	107	132	mg/kg	23	Q	20
Calcium, Total	2590	3220	mg/kg	24	Q	20
Copper, Total	32.7	39.4	mg/kg	20		20
Iron, Total	13600	17200	mg/kg	26	Q	20
Lead, Total	178	229	mg/kg	29	Q	20
Magnesium, Total	2080	2650	mg/kg	27	Q	20
Manganese, Total	224	282	mg/kg	26	Q	20
Zinc, Total	128	162	mg/kg	27	Q	20

INORGANICS & MISCELLANEOUS

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-01
Client ID: SB-8_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 08:00
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.3		%	0.100	NA	1	-	12/17/21 10:09	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-02
Client ID: SB-8_(2-4)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 08:50
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.7		%	0.100	NA	1	-	12/17/21 10:09	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-03
Client ID: SB-9_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 10:00
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	12/17/21 10:09	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-04
Client ID: SB-9_(2-4)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 10:20
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.2		%	0.100	NA	1	-	12/17/21 10:09	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-05
Client ID: SB-18_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:00
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.5		%	0.100	NA	1	-	12/17/21 10:09	121,2540G	RI



Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

SAMPLE RESULTS

Lab ID: L2169413-06
Client ID: SB-18_(4-6)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/16/21 13:30
Date Received: 12/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.1		%	0.100	NA	1	-	12/17/21 10:09	121,2540G	RI



Lab Duplicate Analysis

Batch Quality Control

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2169413
Report Date: 12/22/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1584531-1 QC Sample: L2169241-01 Client ID: DUP Sample						
Solids, Total	76.9	75.1	%	2		20

Project Name: MT. VERNON
Project Number: 2908.0008Y000

Serial_No:12222118:24
Lab Number: L2169413
Report Date: 12/22/21

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(*)
L2169413-01A	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-01B	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-01C	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-01D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2169413-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2169413-01F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L2169413-01X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-01Y	Vial Water preserved split	A	NA		3.6	Y	Absent	18-DEC-21 00:07	NYTCL-8260HLW(14)
L2169413-01Z	Vial Water preserved split	A	NA		3.6	Y	Absent	17-DEC-21 09:56	NYTCL-8260HLW(14)
L2169413-02A	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-02B	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-02C	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-02D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2169413-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2169413-02F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L2169413-02X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-02Y	Vial Water preserved split	A	NA		3.6	Y	Absent	17-DEC-21 09:56	NYTCL-8260HLW(14)
L2169413-02Z	Vial Water preserved split	A	NA		3.6	Y	Absent	17-DEC-21 09:56	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days



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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2169413-03A	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-03B	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-03C	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-03D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2169413-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	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),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2169413-03F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L2169413-03X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-03Y	Vial Water preserved split	A	NA		3.6	Y	Absent	17-DEC-21 09:56	NYTCL-8260HLW(14)
L2169413-03Z	Vial Water preserved split	A	NA		3.6	Y	Absent	17-DEC-21 09:56	NYTCL-8260HLW(14)
L2169413-04A	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-04B	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-04C	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-04D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2169413-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	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),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2169413-04F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L2169413-04X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-04Y	Vial Water preserved split	A	NA		3.6	Y	Absent	17-DEC-21 09:56	NYTCL-8260HLW(14)
L2169413-04Z	Vial Water preserved split	A	NA		3.6	Y	Absent	17-DEC-21 09:56	NYTCL-8260HLW(14)
L2169413-05A	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2169413-05B	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2169413-05C	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2169413-05D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2169413-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2169413-05F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L2169413-05X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2169413-05Y	Vial Water preserved split	A	NA		3.6	Y	Absent	17-DEC-21 09:56	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2169413-05Z	Vial Water preserved split	A	NA		3.6	Y	Absent	17-DEC-21 09:56	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2169413-06A	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-06B	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-06C	5 gram Encore Sampler	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-06D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2169413-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2169413-06F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L2169413-06X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2169413-06Y	Vial Water preserved split	A	NA		3.6	Y	Absent	17-DEC-21 09:56	NYTCL-8260HLW(14)
L2169413-06Z	Vial Water preserved split	A	NA		3.6	Y	Absent	17-DEC-21 09:56	NYTCL-8260HLW(14)

Project Name: MT. VERNON
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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



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Footnotes

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. 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.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- 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 Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



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Data Qualifiers

- 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.)

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

EPA 625/625.1: alpha-Terpineol

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

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

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

Mansfield Facility

SM 2540D: TSS

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

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

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

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

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

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

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

Non-Potable Water

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

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

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

EPA 624.1: Volatile Halocarbons & Aromatics,

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

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

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

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water


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

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

EPA 245.1 Hg.

SM2340B

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

	NEW YORK CHAIN OF CUSTODY	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1		Date Rec'd in Lab	12/17/21	ALPHA Job # 22169413
	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		of			
Client Information		Project Information			Deliverables		Billing Information
Client: Roux		Project Name: NRP Mt. Vernon			<input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQuIS (1 File) <input type="checkbox"/> EQuIS (4 File) <input type="checkbox"/> Other		<input checked="" type="checkbox"/> Same as Client Info
Address: 209 Shafter St Islandia, New York 11749		Project Location: 115 S MacQuestern Pkwy, Mount Vernon, NY					PO #
Phone: (631)232-2600		Project #: 2908.0008Y000					
Fax: (631)232-9898		(Use Project name as Project #) <input type="checkbox"/>			Regulatory Requirement		Disposal Site Information
Email: rlombino@rouxinc.com		Project Manager: Ronald Lombino			<input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Please identify below location of applicable disposal facilities.
		ALPHAQuote #: Q17040_R2					Disposal Facility:
		Turn-Around Time					<input type="checkbox"/> NJ <input type="checkbox"/> NY
		Standard <input checked="" type="checkbox"/> Due Date:					<input type="checkbox"/> Other:
		Rush (only if pre approved) <input type="checkbox"/> # of Days:					
These samples have been previously analyzed by Alpha <input type="checkbox"/>					ANALYSIS		Sample Filtration
Other project specific requirements/comments:					8260C - VOCs 8270D - SVOCs 6020A/7471B - TAL Metals + Mercury 8082A - PCBs		<input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)
Please specify Metals or TAL.							Sample Specific Comments
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials		
		Date	Time				
69413-01	SB-8-(0-2)	12/16/21	0800	S	PK		
-02	SB-8-(2-4)		0850				
-03	SB-9-(0-2)		1000				
-04	SB-9-(2-4)		1020				
-05	SB-18-(0-2)		1300				
-06	SB-18-(4-6)		1330				
Preservative Code:		Container Code		Westboro: Certification No: MA1035		Container Type	
A = None B = HCl C = HNO3 D = H2SO4 E = NaOH F = MeOH G = NaHSO4 H = NA4S2O3 K/E = Zn Ac/NaOH O = Other		P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Mansfield: Certification No: MA015		E A A A A A	
				Relinquished By:		Received By:	
				Date/Time		Date/Time	
				12/16/21 15:18		12/16/21 15:21	
				12/16/21 19:17		12/16/21 20:30	
				12/17/21		12/17/21 00:05	
				12/17/21 03:00		12/17/21 03:00	
Form No: 01-25 (rev. 30-Sept-2013)							

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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.



ANALYTICAL REPORT

Lab Number:	L2170362
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Ronald Lombino
Phone:	(631) 630-2372
Project Name:	NRP MT. VERNON
Project Number:	2908.0008Y000
Report Date:	12/29/21

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170362
Report Date: 12/29/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2170362-01	SV-10	SOIL_VAPOR	115 S MACQUESTERN PKWY MOUNT VERNON, NY	12/21/21 15:24	12/21/21
L2170362-02	SV-8	SOIL_VAPOR	115 S MACQUESTERN PKWY MOUNT VERNON, NY	12/21/21 15:39	12/21/21
L2170362-03	SV-7	SOIL_VAPOR	115 S MACQUESTERN PKWY MOUNT VERNON, NY	12/21/21 15:35	12/21/21
L2170362-04	SV-9	SOIL_VAPOR	115 S MACQUESTERN PKWY MOUNT VERNON, NY	12/21/21 15:43	12/21/21

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170362
Report Date: 12/29/21

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: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170362
Report Date: 12/29/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on December 21, 2021. The canister certification results are provided as an addendum.

L2170362-02D, -03D, and -04D: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

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:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 12/29/21

AIR

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170362
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170362-01
 Client ID: SV-10
 Sample Location: 115 S MACQUESTERN PKWY MOUNT
 VERNON, NY

Date Collected: 12/21/21 15:24
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/28/21 21:48
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	0.215	0.200	--	0.444	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	26.6	0.200	--	68.0	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.39	5.00	--	10.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	17.6	1.00	--	41.8	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	0.747	0.500	--	1.84	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	4.00	0.200	--	12.5	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	1.12	0.200	--	4.44	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	18.2	0.500	--	53.7	1.47	--		1
cis-1,2-Dichloroethene	8.78	0.200	--	34.8	0.793	--		1



Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170362
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170362-01
 Client ID: SV-10
 Sample Location: 115 S MACQUESTERN PKWY MOUNT
 VERNON, NY

Date Collected: 12/21/21 15:24
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	7.79	0.200	--	27.5	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.747	0.200	--	2.39	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	8.35	0.200	--	28.7	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.665	0.200	--	3.57	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	1.38	0.200	--	5.66	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.727	0.200	--	2.74	0.754	--		1
2-Hexanone	1.53	0.200	--	6.27	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.359	0.200	--	2.43	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170362
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170362-01
 Client ID: SV-10
 Sample Location: 115 S MACQUESTERN PKWY MOUNT
 VERNON, NY

Date Collected: 12/21/21 15:24
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	95		60-140



Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170362
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170362-02 D
 Client ID: SV-8
 Sample Location: 115 S MACQUESTERN PKWY MOUNT
 VERNON, NY

Date Collected: 12/21/21 15:39
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/28/21 22:24
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	11.2	--	ND	55.4	--		55.93
Chloromethane	ND	11.2	--	ND	23.1	--		55.93
Freon-114	ND	11.2	--	ND	78.3	--		55.93
Vinyl chloride	ND	11.2	--	ND	28.6	--		55.93
1,3-Butadiene	ND	11.2	--	ND	24.8	--		55.93
Bromomethane	ND	11.2	--	ND	43.5	--		55.93
Chloroethane	ND	11.2	--	ND	29.6	--		55.93
Ethanol	ND	280	--	ND	528	--		55.93
Vinyl bromide	ND	11.2	--	ND	49.0	--		55.93
Acetone	ND	55.9	--	ND	133	--		55.93
Trichlorofluoromethane	ND	11.2	--	ND	62.9	--		55.93
Isopropanol	ND	28.0	--	ND	68.8	--		55.93
1,1-Dichloroethene	ND	11.2	--	ND	44.4	--		55.93
Tertiary butyl Alcohol	ND	28.0	--	ND	84.9	--		55.93
Methylene chloride	ND	28.0	--	ND	97.3	--		55.93
3-Chloropropene	ND	11.2	--	ND	35.1	--		55.93
Carbon disulfide	ND	11.2	--	ND	34.9	--		55.93
Freon-113	ND	11.2	--	ND	85.8	--		55.93
trans-1,2-Dichloroethene	ND	11.2	--	ND	44.4	--		55.93
1,1-Dichloroethane	121	11.2	--	490	45.3	--		55.93
Methyl tert butyl ether	ND	11.2	--	ND	40.4	--		55.93
2-Butanone	ND	28.0	--	ND	82.6	--		55.93
cis-1,2-Dichloroethene	16.5	11.2	--	65.4	44.4	--		55.93



Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170362
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170362-02 D
 Client ID: SV-8
 Sample Location: 115 S MACQUESTERN PKWY MOUNT
 VERNON, NY

Date Collected: 12/21/21 15:39
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	28.0	--	ND	101	--		55.93
Chloroform	11.7	11.2	--	57.1	54.7	--		55.93
Tetrahydrofuran	ND	28.0	--	ND	82.6	--		55.93
1,2-Dichloroethane	ND	11.2	--	ND	45.3	--		55.93
n-Hexane	ND	11.2	--	ND	39.5	--		55.93
1,1,1-Trichloroethane	805	11.2	--	4390	61.1	--		55.93
Benzene	ND	11.2	--	ND	35.8	--		55.93
Carbon tetrachloride	ND	11.2	--	ND	70.5	--		55.93
Cyclohexane	ND	11.2	--	ND	38.6	--		55.93
1,2-Dichloropropane	ND	11.2	--	ND	51.8	--		55.93
Bromodichloromethane	ND	11.2	--	ND	75.0	--		55.93
1,4-Dioxane	ND	11.2	--	ND	40.4	--		55.93
Trichloroethene	3930	11.2	--	21100	60.2	--		55.93
2,2,4-Trimethylpentane	ND	11.2	--	ND	52.3	--		55.93
Heptane	ND	11.2	--	ND	45.9	--		55.93
cis-1,3-Dichloropropene	ND	11.2	--	ND	50.8	--		55.93
4-Methyl-2-pentanone	ND	28.0	--	ND	115	--		55.93
trans-1,3-Dichloropropene	ND	11.2	--	ND	50.8	--		55.93
1,1,2-Trichloroethane	ND	11.2	--	ND	61.1	--		55.93
Toluene	ND	11.2	--	ND	42.2	--		55.93
2-Hexanone	ND	11.2	--	ND	45.9	--		55.93
Dibromochloromethane	ND	11.2	--	ND	95.4	--		55.93
1,2-Dibromoethane	ND	11.2	--	ND	86.1	--		55.93
Tetrachloroethene	90.2	11.2	--	612	75.9	--		55.93
Chlorobenzene	ND	11.2	--	ND	51.6	--		55.93
Ethylbenzene	ND	11.2	--	ND	48.6	--		55.93



Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170362
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170362-02 D
 Client ID: SV-8
 Sample Location: 115 S MACQUESTERN PKWY MOUNT
 VERNON, NY

Date Collected: 12/21/21 15:39
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	22.4	--	ND	97.3	--		55.93
Bromoform	ND	11.2	--	ND	116	--		55.93
Styrene	ND	11.2	--	ND	47.7	--		55.93
1,1,2,2-Tetrachloroethane	ND	11.2	--	ND	76.9	--		55.93
o-Xylene	ND	11.2	--	ND	48.6	--		55.93
4-Ethyltoluene	ND	11.2	--	ND	55.1	--		55.93
1,3,5-Trimethylbenzene	ND	11.2	--	ND	55.1	--		55.93
1,2,4-Trimethylbenzene	ND	11.2	--	ND	55.1	--		55.93
Benzyl chloride	ND	11.2	--	ND	58.0	--		55.93
1,3-Dichlorobenzene	ND	11.2	--	ND	67.3	--		55.93
1,4-Dichlorobenzene	ND	11.2	--	ND	67.3	--		55.93
1,2-Dichlorobenzene	ND	11.2	--	ND	67.3	--		55.93
1,2,4-Trichlorobenzene	ND	11.2	--	ND	83.1	--		55.93
Hexachlorobutadiene	ND	11.2	--	ND	119	--		55.93

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	95		60-140



Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170362
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170362-03 D
 Client ID: SV-7
 Sample Location: 115 S MACQUESTERN PKWY MOUNT
 VERNON, NY

Date Collected: 12/21/21 15:35
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/28/21 23:03
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.493	0.227	--	2.44	1.12	--		1.136
Chloromethane	ND	0.227	--	ND	0.469	--		1.136
Freon-114	ND	0.227	--	ND	1.59	--		1.136
Vinyl chloride	ND	0.227	--	ND	0.580	--		1.136
1,3-Butadiene	ND	0.227	--	ND	0.502	--		1.136
Bromomethane	ND	0.227	--	ND	0.881	--		1.136
Chloroethane	ND	0.227	--	ND	0.599	--		1.136
Ethanol	527	5.68	--	993	10.7	--		1.136
Vinyl bromide	ND	0.227	--	ND	0.992	--		1.136
Acetone	23.4	1.14	--	55.6	2.71	--		1.136
Trichlorofluoromethane	ND	0.227	--	ND	1.28	--		1.136
Isopropanol	8.38	0.568	--	20.6	1.40	--		1.136
1,1-Dichloroethene	ND	0.227	--	ND	0.900	--		1.136
Tertiary butyl Alcohol	6.95	0.568	--	21.1	1.72	--		1.136
Methylene chloride	ND	0.568	--	ND	1.97	--		1.136
3-Chloropropene	ND	0.227	--	ND	0.711	--		1.136
Carbon disulfide	0.450	0.227	--	1.40	0.707	--		1.136
Freon-113	ND	0.227	--	ND	1.74	--		1.136
trans-1,2-Dichloroethene	ND	0.227	--	ND	0.900	--		1.136
1,1-Dichloroethane	ND	0.227	--	ND	0.919	--		1.136
Methyl tert butyl ether	ND	0.227	--	ND	0.818	--		1.136
2-Butanone	1.17	0.568	--	3.45	1.68	--		1.136
cis-1,2-Dichloroethene	ND	0.227	--	ND	0.900	--		1.136



Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170362
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170362-03 D
 Client ID: SV-7
 Sample Location: 115 S MACQUESTERN PKWY MOUNT
 VERNON, NY

Date Collected: 12/21/21 15:35
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.568	--	ND	2.05	--		1.136
Chloroform	ND	0.227	--	ND	1.11	--		1.136
Tetrahydrofuran	ND	0.568	--	ND	1.68	--		1.136
1,2-Dichloroethane	ND	0.227	--	ND	0.919	--		1.136
n-Hexane	0.877	0.227	--	3.09	0.800	--		1.136
1,1,1-Trichloroethane	ND	0.227	--	ND	1.24	--		1.136
Benzene	0.251	0.227	--	0.802	0.725	--		1.136
Carbon tetrachloride	ND	0.227	--	ND	1.43	--		1.136
Cyclohexane	1.80	0.227	--	6.20	0.781	--		1.136
1,2-Dichloropropane	ND	0.227	--	ND	1.05	--		1.136
Bromodichloromethane	ND	0.227	--	ND	1.52	--		1.136
1,4-Dioxane	ND	0.227	--	ND	0.818	--		1.136
Trichloroethene	1.00	0.227	--	5.37	1.22	--		1.136
2,2,4-Trimethylpentane	ND	0.227	--	ND	1.06	--		1.136
Heptane	0.430	0.227	--	1.76	0.930	--		1.136
cis-1,3-Dichloropropene	ND	0.227	--	ND	1.03	--		1.136
4-Methyl-2-pentanone	ND	0.568	--	ND	2.33	--		1.136
trans-1,3-Dichloropropene	ND	0.227	--	ND	1.03	--		1.136
1,1,2-Trichloroethane	ND	0.227	--	ND	1.24	--		1.136
Toluene	2.31	0.227	--	8.71	0.855	--		1.136
2-Hexanone	ND	0.227	--	ND	0.930	--		1.136
Dibromochloromethane	ND	0.227	--	ND	1.93	--		1.136
1,2-Dibromoethane	ND	0.227	--	ND	1.74	--		1.136
Tetrachloroethene	0.706	0.227	--	4.79	1.54	--		1.136
Chlorobenzene	ND	0.227	--	ND	1.05	--		1.136
Ethylbenzene	0.853	0.227	--	3.71	0.986	--		1.136



Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170362
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170362-03 D
 Client ID: SV-7
 Sample Location: 115 S MACQUESTERN PKWY MOUNT
 VERNON, NY

Date Collected: 12/21/21 15:35
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	3.60	0.454	--	15.6	1.97	--		1.136
Bromoform	ND	0.227	--	ND	2.35	--		1.136
Styrene	1.13	0.227	--	4.81	0.966	--		1.136
1,1,2,2-Tetrachloroethane	ND	0.227	--	ND	1.56	--		1.136
o-Xylene	1.75	0.227	--	7.60	0.986	--		1.136
4-Ethyltoluene	ND	0.227	--	ND	1.12	--		1.136
1,3,5-Trimethylbenzene	ND	0.227	--	ND	1.12	--		1.136
1,2,4-Trimethylbenzene	0.296	0.227	--	1.46	1.12	--		1.136
Benzyl chloride	ND	0.227	--	ND	1.18	--		1.136
1,3-Dichlorobenzene	ND	0.227	--	ND	1.36	--		1.136
1,4-Dichlorobenzene	ND	0.227	--	ND	1.36	--		1.136
1,2-Dichlorobenzene	ND	0.227	--	ND	1.36	--		1.136
1,2,4-Trichlorobenzene	ND	0.227	--	ND	1.69	--		1.136
Hexachlorobutadiene	ND	0.227	--	ND	2.42	--		1.136

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	92		60-140



Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170362
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170362-04 D
 Client ID: SV-9
 Sample Location: 115 S MACQUESTERN PKWY MOUNT
 VERNON, NY

Date Collected: 12/21/21 15:43
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/28/21 23:38
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.67	--	ND	8.26	--		8.333
Chloromethane	ND	1.67	--	ND	3.45	--		8.333
Freon-114	ND	1.67	--	ND	11.7	--		8.333
Vinyl chloride	ND	1.67	--	ND	4.27	--		8.333
1,3-Butadiene	ND	1.67	--	ND	3.69	--		8.333
Bromomethane	ND	1.67	--	ND	6.48	--		8.333
Chloroethane	ND	1.67	--	ND	4.41	--		8.333
Ethanol	ND	41.7	--	ND	78.6	--		8.333
Vinyl bromide	ND	1.67	--	ND	7.30	--		8.333
Acetone	10.8	8.33	--	25.7	19.8	--		8.333
Trichlorofluoromethane	ND	1.67	--	ND	9.38	--		8.333
Isopropanol	ND	4.17	--	ND	10.3	--		8.333
1,1-Dichloroethene	ND	1.67	--	ND	6.62	--		8.333
Tertiary butyl Alcohol	ND	4.17	--	ND	12.6	--		8.333
Methylene chloride	ND	4.17	--	ND	14.5	--		8.333
3-Chloropropene	ND	1.67	--	ND	5.23	--		8.333
Carbon disulfide	ND	1.67	--	ND	5.20	--		8.333
Freon-113	ND	1.67	--	ND	12.8	--		8.333
trans-1,2-Dichloroethene	ND	1.67	--	ND	6.62	--		8.333
1,1-Dichloroethane	82.0	1.67	--	332	6.76	--		8.333
Methyl tert butyl ether	ND	1.67	--	ND	6.02	--		8.333
2-Butanone	ND	4.17	--	ND	12.3	--		8.333
cis-1,2-Dichloroethene	ND	1.67	--	ND	6.62	--		8.333



Project Name: NRP MT. VERNON**Lab Number:** L2170362**Project Number:** 2908.0008Y000**Report Date:** 12/29/21**SAMPLE RESULTS**

Lab ID: L2170362-04 D
 Client ID: SV-9
 Sample Location: 115 S MACQUESTERN PKWY MOUNT
 VERNON, NY

Date Collected: 12/21/21 15:43
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	4.17	--	ND	15.0	--		8.333
Chloroform	8.13	1.67	--	39.7	8.16	--		8.333
Tetrahydrofuran	ND	4.17	--	ND	12.3	--		8.333
1,2-Dichloroethane	ND	1.67	--	ND	6.76	--		8.333
n-Hexane	ND	1.67	--	ND	5.89	--		8.333
1,1,1-Trichloroethane	684	1.67	--	3730	9.11	--		8.333
Benzene	ND	1.67	--	ND	5.34	--		8.333
Carbon tetrachloride	ND	1.67	--	ND	10.5	--		8.333
Cyclohexane	ND	1.67	--	ND	5.75	--		8.333
1,2-Dichloropropane	ND	1.67	--	ND	7.72	--		8.333
Bromodichloromethane	ND	1.67	--	ND	11.2	--		8.333
1,4-Dioxane	ND	1.67	--	ND	6.02	--		8.333
Trichloroethene	491	1.67	--	2640	8.97	--		8.333
2,2,4-Trimethylpentane	ND	1.67	--	ND	7.80	--		8.333
Heptane	ND	1.67	--	ND	6.84	--		8.333
cis-1,3-Dichloropropene	ND	1.67	--	ND	7.58	--		8.333
4-Methyl-2-pentanone	ND	4.17	--	ND	17.1	--		8.333
trans-1,3-Dichloropropene	ND	1.67	--	ND	7.58	--		8.333
1,1,2-Trichloroethane	ND	1.67	--	ND	9.11	--		8.333
Toluene	ND	1.67	--	ND	6.29	--		8.333
2-Hexanone	ND	1.67	--	ND	6.84	--		8.333
Dibromochloromethane	ND	1.67	--	ND	14.2	--		8.333
1,2-Dibromoethane	ND	1.67	--	ND	12.8	--		8.333
Tetrachloroethene	3.97	1.67	--	26.9	11.3	--		8.333
Chlorobenzene	ND	1.67	--	ND	7.69	--		8.333
Ethylbenzene	ND	1.67	--	ND	7.25	--		8.333



Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170362
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170362-04 D
 Client ID: SV-9
 Sample Location: 115 S MACQUESTERN PKWY MOUNT
 VERNON, NY

Date Collected: 12/21/21 15:43
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	3.73	3.33	--	16.2	14.5	--		8.333
Bromoform	ND	1.67	--	ND	17.3	--		8.333
Styrene	ND	1.67	--	ND	7.11	--		8.333
1,1,2,2-Tetrachloroethane	ND	1.67	--	ND	11.5	--		8.333
o-Xylene	1.78	1.67	--	7.73	7.25	--		8.333
4-Ethyltoluene	ND	1.67	--	ND	8.21	--		8.333
1,3,5-Trimethylbenzene	ND	1.67	--	ND	8.21	--		8.333
1,2,4-Trimethylbenzene	ND	1.67	--	ND	8.21	--		8.333
Benzyl chloride	ND	1.67	--	ND	8.65	--		8.333
1,3-Dichlorobenzene	ND	1.67	--	ND	10.0	--		8.333
1,4-Dichlorobenzene	ND	1.67	--	ND	10.0	--		8.333
1,2-Dichlorobenzene	ND	1.67	--	ND	10.0	--		8.333
1,2,4-Trichlorobenzene	ND	1.67	--	ND	12.4	--		8.333
Hexachlorobutadiene	ND	1.67	--	ND	17.8	--		8.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	90		60-140



Project Name: NRP MT. VERNON

Lab Number: L2170362

Project Number: 2908.0008Y000

Report Date: 12/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/28/21 15:13

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1588527-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: NRP MT. VERNON

Lab Number: L2170362

Project Number: 2908.0008Y000

Report Date: 12/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/28/21 15:13

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1588527-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: NRP MT. VERNON

Lab Number: L2170362

Project Number: 2908.0008Y000

Report Date: 12/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/28/21 15:13

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1588527-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Lab Number: L2170362

Project Number: 2908.0008Y000

Report Date: 12/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1588527-3								
Dichlorodifluoromethane	87		-		70-130	-		
Chloromethane	83		-		70-130	-		
Freon-114	85		-		70-130	-		
Vinyl chloride	83		-		70-130	-		
1,3-Butadiene	85		-		70-130	-		
Bromomethane	82		-		70-130	-		
Chloroethane	83		-		70-130	-		
Ethanol	97		-		40-160	-		
Vinyl bromide	80		-		70-130	-		
Acetone	93		-		40-160	-		
Trichlorofluoromethane	83		-		70-130	-		
Isopropanol	86		-		40-160	-		
1,1-Dichloroethene	96		-		70-130	-		
Tertiary butyl Alcohol	91		-		70-130	-		
Methylene chloride	114		-		70-130	-		
3-Chloropropene	98		-		70-130	-		
Carbon disulfide	104		-		70-130	-		
Freon-113	93		-		70-130	-		
trans-1,2-Dichloroethene	82		-		70-130	-		
1,1-Dichloroethane	86		-		70-130	-		
Methyl tert butyl ether	88		-		70-130	-		
2-Butanone	88		-		70-130	-		
cis-1,2-Dichloroethene	87		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Lab Number: L2170362

Project Number: 2908.0008Y000

Report Date: 12/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1588527-3								
Ethyl Acetate	88		-		70-130	-		
Chloroform	91		-		70-130	-		
Tetrahydrofuran	85		-		70-130	-		
1,2-Dichloroethane	82		-		70-130	-		
n-Hexane	88		-		70-130	-		
1,1,1-Trichloroethane	89		-		70-130	-		
Benzene	85		-		70-130	-		
Carbon tetrachloride	93		-		70-130	-		
Cyclohexane	90		-		70-130	-		
1,2-Dichloropropane	86		-		70-130	-		
Bromodichloromethane	94		-		70-130	-		
1,4-Dioxane	91		-		70-130	-		
Trichloroethene	90		-		70-130	-		
2,2,4-Trimethylpentane	90		-		70-130	-		
Heptane	90		-		70-130	-		
cis-1,3-Dichloropropene	99		-		70-130	-		
4-Methyl-2-pentanone	91		-		70-130	-		
trans-1,3-Dichloropropene	86		-		70-130	-		
1,1,2-Trichloroethane	89		-		70-130	-		
Toluene	84		-		70-130	-		
2-Hexanone	89		-		70-130	-		
Dibromochloromethane	97		-		70-130	-		
1,2-Dibromoethane	91		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Lab Number: L2170362

Project Number: 2908.0008Y000

Report Date: 12/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1588527-3								
Tetrachloroethene	93		-		70-130	-		
Chlorobenzene	94		-		70-130	-		
Ethylbenzene	91		-		70-130	-		
p/m-Xylene	92		-		70-130	-		
Bromoform	100		-		70-130	-		
Styrene	92		-		70-130	-		
1,1,2,2-Tetrachloroethane	97		-		70-130	-		
o-Xylene	95		-		70-130	-		
4-Ethyltoluene	89		-		70-130	-		
1,3,5-Trimethylbenzene	92		-		70-130	-		
1,2,4-Trimethylbenzene	95		-		70-130	-		
Benzyl chloride	89		-		70-130	-		
1,3-Dichlorobenzene	92		-		70-130	-		
1,4-Dichlorobenzene	91		-		70-130	-		
1,2-Dichlorobenzene	92		-		70-130	-		
1,2,4-Trichlorobenzene	100		-		70-130	-		
Hexachlorobutadiene	98		-		70-130	-		

Project Name: NRP MT. VERNON

Project Number: 2908.0008Y000

Serial_No:12292110:48
Lab Number: L2170362

Report Date: 12/29/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2170362-01	SV-10	01170	Flow 4	12/21/21	373149		-	-	-	Pass	4.5	4.2	7
L2170362-01	SV-10	3035	2.7L Can	12/21/21	373149	L2169161-07	Pass	-29.6	-2.1	-	-	-	-
L2170362-02	SV-8	01632	Flow 4	12/21/21	373149		-	-	-	Pass	4.5	4.0	12
L2170362-02	SV-8	3024	2.7L Can	12/21/21	373149	L2169161-07	Pass	-29.5	-4.6	-	-	-	-
L2170362-03	SV-7	01670	Flow 4	12/21/21	373149		-	-	-	Pass	4.5	4.2	7
L2170362-03	SV-7	3007	2.7L Can	12/21/21	373149	L2169161-07	Pass	-29.5	-4.9	-	-	-	-
L2170362-04	SV-9	01033	Flow 4	12/21/21	373149		-	-	-	Pass	4.5	4.1	9
L2170362-04	SV-9	2822	2.7L Can	12/21/21	373149	L2169161-07	Pass	-29.4	-4.2	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2169161
Report Date: 12/29/21

Air Canister Certification Results

Lab ID: L2169161-07
 Client ID: CAN 2355 SHELF 2
 Sample Location:

Date Collected: 12/16/21 09:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/16/21 23:40
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2169161
Report Date: 12/29/21

Air Canister Certification Results

Lab ID: L2169161-07
 Client ID: CAN 2355 SHELF 2
 Sample Location:

Date Collected: 12/16/21 09:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2169161
Report Date: 12/29/21

Air Canister Certification Results

Lab ID: L2169161-07
 Client ID: CAN 2355 SHELF 2
 Sample Location:

Date Collected: 12/16/21 09:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2169161
Report Date: 12/29/21

Air Canister Certification Results

Lab ID: L2169161-07
 Client ID: CAN 2355 SHELF 2
 Sample Location:

Date Collected: 12/16/21 09:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2169161
Report Date: 12/29/21

Air Canister Certification Results

Lab ID: L2169161-07
 Client ID: CAN 2355 SHELF 2
 Sample Location:

Date Collected: 12/16/21 09:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2169161
Report Date: 12/29/21

Air Canister Certification Results

Lab ID: L2169161-07
 Client ID: CAN 2355 SHELF 2
 Sample Location:

Date Collected: 12/16/21 09:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/16/21 23:40
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	0.024	0.500	--	0.083	1.74	--	J	1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.016	0.100	--	0.051	0.319	--	J	1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2169161
Report Date: 12/29/21

Air Canister Certification Results

Lab ID: L2169161-07
 Client ID: CAN 2355 SHELF 2
 Sample Location:

Date Collected: 12/16/21 09:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2169161
Report Date: 12/29/21

Air Canister Certification Results

Lab ID: L2169161-07
 Client ID: CAN 2355 SHELF 2
 Sample Location:

Date Collected: 12/16/21 09:00
 Date Received: 12/16/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	93		60-140

Project Name: NRP MT. VERNON

Project Number: 2908.0008Y000

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

NA Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2170362-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2170362-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2170362-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2170362-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170362
Report Date: 12/29/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: NRP MT. VERNON
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Footnotes

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. 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.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- 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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report



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Report Date: 12/29/21

Data Qualifiers

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: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170362
Report Date: 12/29/21

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

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

EPA 625/625.1: alpha-Terpineol

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

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

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

Mansfield Facility

SM 2540D: TSS

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

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

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

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

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

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

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

Non-Potable Water

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

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

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

EPA 624.1: Volatile Halocarbons & Aromatics,

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

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

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

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

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

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

EPA 245.1 Hg.

SM2340B

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



AIR ANALYSIS

CHAIN OF CUSTODY

PAGE 1 OF 1

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

Client Information

Client: Roux
 Address: 209 Shafter St
Islandia, NY 11749
 Phone:
 Fax:
 Email: rlombino@rouxinc.com

Project Information

Project Name: NRP Mt. Vernon
 Project Location: 1155 MacQuesten Pkwy
Mount Vernon, NY
 Project #: 2408.0008Y000
 Project Manager: Ron Lombino
 ALPHA Quote #: Q17040-R2

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)
Standard 5-DAY TAT
 Date Due: _____ Time: _____

Date Rec'd in Lab: 12/21/21

Report Information - Data Deliverables

FAX
 ADEx
 Criteria Checker: _____
 (Default based on Regulatory Criteria Indicated)
 Other Formats: _____
 EMAIL (standard pdf report)
 Additional Deliverables: _____
 Report to: (if different than Project Manager) _____

ALPHA Job #: L2170362

Billing Information

Same as Client info PO #: _____

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION					Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH <small>(Substr Non-petroleum HCs)</small>	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum											
<u>70362-01</u>	<u>SV-10</u>	<u>12/21/21</u>	<u>0726</u>	<u>1524</u>	<u>-30.60</u>	<u>-4.90</u>	<u>SV</u>	<u>PK</u>	<u>2.7</u>	<u>3035</u>	<u>01170</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>-02</u>	<u>SV-8</u>		<u>0721</u>	<u>1539</u>	<u>-30.31</u>	<u>-5.69</u>	<u>SV</u>	<u>PK</u>	<u>2.7</u>	<u>3024</u>	<u>01632</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>-03</u>	<u>SV-7</u>		<u>0709</u>	<u>1535</u>	<u>-30.48</u>	<u>-6.37</u>	<u>SV</u>	<u>PK</u>	<u>2.7</u>	<u>3007</u>	<u>01670</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>-04</u>	<u>SV-9</u>		<u>0717</u>	<u>1543</u>	<u>-30.00</u>	<u>-5.64</u>	<u>SV</u>	<u>PK</u>	<u>2.7</u>	<u>2822</u>	<u>01033</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

***SAMPLE MATRIX CODES**

AA = Ambient Air (Indoor/Outdoor)
 SV = Soil Vapor/Landfill Gas/SVE
 Other = Please Specify

Container Type

S

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:

Date/Time

Received By:

Date/Time:

[Signature]
AAAL-12/21/21 18:00
12/22/21

[Signature]
AAAL-12/21/21 15:50
12/21/21 20:30
12/22/21 09:30



ANALYTICAL REPORT

Lab Number:	L2170424
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Ronald Lombino
Phone:	(631) 630-2372
Project Name:	NRP MT. VERNON
Project Number:	2908.0008Y000
Report Date:	12/29/21

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

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

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



Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2170424-01	SB-10_(0-2)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/21/21 08:20	12/21/21
L2170424-02	SB-10_(2-4)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/21/21 08:30	12/21/21
L2170424-03	SB-11_(0-2)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/21/21 10:30	12/21/21
L2170424-04	SB-11_(10-12)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/21/21 11:00	12/21/21
L2170424-05	SB-7_(0-2)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/21/21 11:20	12/21/21
L2170424-06	SB-7_(2-4)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/21/21 11:30	12/21/21
L2170424-07	SB-20_(0-2)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/21/21 13:20	12/21/21
L2170424-08	SB-20_(3-5)	SOIL	115 S. MACQUESTERN PKWY, MT. VERNON, NY	12/21/21 13:40	12/21/21

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

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: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

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

L2170424-01 through -08: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1586698-3 MS recoveries for aluminum (408%), iron (0%) and lead (177%), performed on L2170424-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1586698-3 MS recoveries, performed on L2170424-01, are outside the acceptance criteria for antimony (60%), arsenic (69%), calcium (73%), copper (73%) and thallium (72%). A post digestion spike was performed and was within acceptance criteria.

The WG1586698-3 MS recovery, performed on L2170424-01, is outside the acceptance criteria for cobalt (73%). A post digestion spike was performed and yielded an unacceptable recovery for cobalt (78%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1586698-3 MS recovery, performed on L2170424-01, is outside the acceptance criteria for manganese (206%). A post digestion spike was performed and yielded an unacceptable recovery for manganese (67%). The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

The WG1586699-3 MS recovery, performed on L2170424-01, is outside the acceptance criteria for mercury (0%). A post digestion spike was performed and was within acceptance criteria.

The WG1586698-4 Laboratory Duplicate RPDs for arsenic (36%), barium (32%), cobalt (26%), copper (28%), iron (22%), lead (57%), manganese (25%), nickel (22%) and zinc (37%), performed on L2170424-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

The WG1586699-4 Laboratory Duplicate RPD for mercury (23%), performed on L2170424-01, is outside the

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

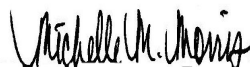
Case Narrative (continued)

acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

The WG1586698-6 serial dilution analysis, associated with L2170424-01, had a %D above the acceptance criteria for lead (24%).

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:



Michelle M. Morris

Title: Technical Director/Representative

Date: 12/29/21

ORGANICS

VOLATILES

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-01
Client ID: SB-10_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 08:20
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/23/21 12:08
Analyst: MKS
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.9	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.1	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.37	1
Tetrachloroethene	ND		ug/kg	0.69	0.27	1
Chlorobenzene	ND		ug/kg	0.69	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.96	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.69	0.23	1
Bromodichloromethane	ND		ug/kg	0.69	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	0.69	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.69	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.69	0.22	1
Bromoform	ND		ug/kg	5.6	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.69	0.23	1
Benzene	ND		ug/kg	0.69	0.23	1
Toluene	ND		ug/kg	1.4	0.75	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.6	1.3	1
Bromomethane	ND		ug/kg	2.8	0.81	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.8	0.63	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1

Project Name: NRP MT. VERNON**Lab Number:** L2170424**Project Number:** 2908.0008Y000**Report Date:** 12/29/21**SAMPLE RESULTS**

Lab ID: L2170424-01
 Client ID: SB-10_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 08:20
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	7.9		ug/kg	0.69	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.78	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.8	0.33	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	26		ug/kg	14	6.7	1
Carbon disulfide	ND		ug/kg	14	6.3	1
2-Butanone	ND		ug/kg	14	3.1	1
Vinyl acetate	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.8	0.18	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.8	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.8	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.39	1
1,3-Dichloropropane	ND		ug/kg	2.8	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.69	0.18	1
Bromobenzene	ND		ug/kg	2.8	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.8	0.16	1
o-Chlorotoluene	ND		ug/kg	2.8	0.26	1
p-Chlorotoluene	ND		ug/kg	2.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.6	0.90	1
Acrylonitrile	ND		ug/kg	5.6	1.6	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-01
Client ID: SB-10_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 08:20
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.45	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	0.46	1
1,4-Dioxane	ND		ug/kg	110	49.	1
p-Diethylbenzene	ND		ug/kg	2.8	0.24	1
p-Ethyltoluene	ND		ug/kg	2.8	0.53	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.8	0.26	1
Ethyl ether	ND		ug/kg	2.8	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.9	2.0	1

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

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-02
Client ID: SB-10_(2-4)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 08:30
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/23/21 12:34
Analyst: MKS
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	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	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.19	1
Benzene	ND		ug/kg	0.56	0.19	1
Toluene	ND		ug/kg	1.1	0.61	1
Ethylbenzene	0.35	J	ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-02
Client ID: SB-10_(2-4)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 08:30
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.0		ug/kg	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	1.4	J	ug/kg	2.2	0.63	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	1.4	J	ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	11		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.56	0.15	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.5	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.5	0.73	1
Acrylonitrile	ND		ug/kg	4.5	1.3	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-02
 Client ID: SB-10_(2-4)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 08:30
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	90	39.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.43	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1

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

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-03
 Client ID: SB-11_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 10:30
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/23/21 12:59
 Analyst: MKS
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.36	1
Tetrachloroethene	ND		ug/kg	0.68	0.27	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.95	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.23	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.68	0.22	1
Bromoform	ND		ug/kg	5.4	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.23	1
Benzene	ND		ug/kg	0.68	0.23	1
Toluene	ND		ug/kg	1.4	0.74	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.4	1.3	1
Bromomethane	ND		ug/kg	2.7	0.79	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.7	0.62	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.19	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-03
Client ID: SB-11_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 10:30
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	8.6		ug/kg	0.68	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	1.2	J	ug/kg	2.7	0.76	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	1.2	J	ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	7.9	J	ug/kg	14	6.6	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	ND		ug/kg	14	3.0	1
Vinyl acetate	ND		ug/kg	14	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.4	0.88	1
Acrylonitrile	ND		ug/kg	5.4	1.6	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-03
 Client ID: SB-11_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 10:30
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	0.53	J	ug/kg	2.7	0.46	1
1,4-Dioxane	ND		ug/kg	110	48.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-04
Client ID: SB-11_(10-12)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 11:00
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/23/21 13:25
Analyst: MKS
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	ND		ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.16	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.85	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.61	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.61	0.19	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	ND		ug/kg	0.61	0.20	1
Toluene	ND		ug/kg	1.2	0.66	1
Ethylbenzene	0.52	J	ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.4	0.71	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-04
Client ID: SB-11_(10-12)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 11:00
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	3.3		ug/kg	0.61	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	1.6	J	ug/kg	2.4	0.68	1
o-Xylene	0.36	J	ug/kg	1.2	0.36	1
Xylenes, Total	2.0	J	ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.4	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	8.5	J	ug/kg	12	5.9	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.16	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.61	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.21	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.9	0.79	1
Acrylonitrile	ND		ug/kg	4.9	1.4	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-04
Client ID: SB-11_(10-12)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 11:00
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.41	1
1,4-Dioxane	ND		ug/kg	98	43.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.22	1
p-Ethyltoluene	ND		ug/kg	2.4	0.47	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-05
 Client ID: SB-7_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 11:20
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/23/21 13:51
 Analyst: MKS
 Percent Solids: 90%

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	0.11	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
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-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	0.17	1
Benzene	ND		ug/kg	0.53	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	0.36	J	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

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-05
Client ID: SB-7_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 11:20
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
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	1.3	J	ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	1.3	J	ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	11		ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-05
Client ID: SB-7_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 11:20
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-06
Client ID: SB-7_(2-4)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 11:30
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/23/21 14:16
Analyst: MKS
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.89	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	0.21	1
Bromodichloromethane	ND		ug/kg	0.64	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.64	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.1	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	0.21	1
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	ND		ug/kg	1.3	0.69	1
Ethylbenzene	0.71	J	ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.6	0.74	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1

Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-06
 Client ID: SB-7_(2-4)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 11:30
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.64	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	2.4	J	ug/kg	2.6	0.71	1
o-Xylene	0.49	J	ug/kg	1.3	0.37	1
Xylenes, Total	2.9	J	ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.17	1
Dibromomethane	ND		ug/kg	2.6	0.30	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	8.4	J	ug/kg	13	6.1	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
Vinyl acetate	ND		ug/kg	13	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.64	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.18	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.24	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.1	0.83	1
Acrylonitrile	ND		ug/kg	5.1	1.5	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-06
Client ID: SB-7_(2-4)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 11:30
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
1,4-Dioxane	ND		ug/kg	100	45.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.22	1
p-Ethyltoluene	ND		ug/kg	2.6	0.49	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.24	1
Ethyl ether	ND		ug/kg	2.6	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	1.8	1

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

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-07
 Client ID: SB-20_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 13:20
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/23/21 14:42
 Analyst: MKS
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	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	0.91	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
1,3-Dichloropropene, Total	ND		ug/kg	0.66	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.3	0.32	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	0.71	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.6	0.76	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.59	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-07
Client ID: SB-20_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 13:20
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.74	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.31	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	7.3	J	ug/kg	13	6.3	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	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
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.22	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
Acrylonitrile	ND		ug/kg	5.3	1.5	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-07
Client ID: SB-20_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 13:20
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1
1,4-Dioxane	ND		ug/kg	100	46.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.50	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	103		70-130

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-08
 Client ID: SB-20_(3-5)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 13:40
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 12/25/21 10:56
 Analyst: NLK
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.1	3.7	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.24	1
Chloroform	ND		ug/kg	2.4	0.23	1
Carbon tetrachloride	ND		ug/kg	1.6	0.37	1
1,2-Dichloropropane	ND		ug/kg	1.6	0.20	1
Dibromochloromethane	ND		ug/kg	1.6	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.43	1
Tetrachloroethene	ND		ug/kg	0.81	0.32	1
Chlorobenzene	ND		ug/kg	0.81	0.21	1
Trichlorofluoromethane	ND		ug/kg	6.5	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.42	1
1,1,1-Trichloroethane	ND		ug/kg	0.81	0.27	1
Bromodichloromethane	ND		ug/kg	0.81	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.44	1
cis-1,3-Dichloropropene	ND		ug/kg	0.81	0.26	1
1,3-Dichloropropene, Total	ND		ug/kg	0.81	0.26	1
1,1-Dichloropropene	ND		ug/kg	0.81	0.26	1
Bromoform	ND		ug/kg	6.5	0.40	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.81	0.27	1
Benzene	ND		ug/kg	0.81	0.27	1
Toluene	ND		ug/kg	1.6	0.88	1
Ethylbenzene	ND		ug/kg	1.6	0.23	1
Chloromethane	ND		ug/kg	6.5	1.5	1
Bromomethane	ND		ug/kg	3.2	0.95	1
Vinyl chloride	ND		ug/kg	1.6	0.54	1
Chloroethane	ND		ug/kg	3.2	0.74	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.39	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.22	1

Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-08
 Client ID: SB-20_(3-5)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 13:40
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.81	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	3.2	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	3.2	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	3.2	0.28	1
Methyl tert butyl ether	ND		ug/kg	3.2	0.33	1
p/m-Xylene	ND		ug/kg	3.2	0.91	1
o-Xylene	ND		ug/kg	1.6	0.47	1
Xylenes, Total	ND		ug/kg	1.6	0.47	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.28	1
1,2-Dichloroethene, Total	ND		ug/kg	1.6	0.22	1
Dibromomethane	ND		ug/kg	3.2	0.39	1
Styrene	ND		ug/kg	1.6	0.32	1
Dichlorodifluoromethane	ND		ug/kg	16	1.5	1
Acetone	12	J	ug/kg	16	7.8	1
Carbon disulfide	ND		ug/kg	16	7.4	1
2-Butanone	ND		ug/kg	16	3.6	1
Vinyl acetate	ND		ug/kg	16	3.5	1
4-Methyl-2-pentanone	ND		ug/kg	16	2.1	1
1,2,3-Trichloropropane	ND		ug/kg	3.2	0.21	1
2-Hexanone	ND		ug/kg	16	1.9	1
Bromochloromethane	ND		ug/kg	3.2	0.33	1
2,2-Dichloropropane	ND		ug/kg	3.2	0.33	1
1,2-Dibromoethane	ND		ug/kg	1.6	0.45	1
1,3-Dichloropropane	ND		ug/kg	3.2	0.27	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.81	0.21	1
Bromobenzene	ND		ug/kg	3.2	0.24	1
n-Butylbenzene	ND		ug/kg	1.6	0.27	1
sec-Butylbenzene	ND		ug/kg	1.6	0.24	1
tert-Butylbenzene	ND		ug/kg	3.2	0.19	1
o-Chlorotoluene	ND		ug/kg	3.2	0.31	1
p-Chlorotoluene	ND		ug/kg	3.2	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	1.6	1
Hexachlorobutadiene	ND		ug/kg	6.5	0.28	1
Isopropylbenzene	ND		ug/kg	1.6	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.18	1
Naphthalene	ND		ug/kg	6.5	1.0	1
Acrylonitrile	ND		ug/kg	6.5	1.9	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-08
Client ID: SB-20_(3-5)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 13:40
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.6	0.28	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.2	0.52	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.2	0.44	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.2	0.31	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.2	0.54	1
1,4-Dioxane	ND		ug/kg	130	57.	1
p-Diethylbenzene	ND		ug/kg	3.2	0.29	1
p-Ethyltoluene	ND		ug/kg	3.2	0.62	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.2	0.31	1
Ethyl ether	ND		ug/kg	3.2	0.56	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.1	2.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/23/21 07:51
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-07 Batch: WG1587463-5					
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
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-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

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/23/21 07:51
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-07 Batch: WG1587463-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
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
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
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
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/23/21 07:51
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-07 Batch: WG1587463-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
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
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
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
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/25/21 08:23
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08 Batch: WG1587879-5					
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
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-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

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/25/21 08:23
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08 Batch: WG1587879-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
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
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
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
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 12/25/21 08:23
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08 Batch: WG1587879-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
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
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
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
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1587463-3 WG1587463-4								
Methylene chloride	95		94		70-130	1		30
1,1-Dichloroethane	104		103		70-130	1		30
Chloroform	98		96		70-130	2		30
Carbon tetrachloride	94		92		70-130	2		30
1,2-Dichloropropane	108		108		70-130	0		30
Dibromochloromethane	99		99		70-130	0		30
1,1,2-Trichloroethane	102		102		70-130	0		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	96		95		70-130	1		30
Trichlorofluoromethane	102		100		70-139	2		30
1,2-Dichloroethane	101		100		70-130	1		30
1,1,1-Trichloroethane	99		97		70-130	2		30
Bromodichloromethane	101		100		70-130	1		30
trans-1,3-Dichloropropene	102		101		70-130	1		30
cis-1,3-Dichloropropene	107		106		70-130	1		30
1,1-Dichloropropene	103		102		70-130	1		30
Bromoform	92		93		70-130	1		30
1,1,2,2-Tetrachloroethane	102		104		70-130	2		30
Benzene	101		99		70-130	2		30
Toluene	96		94		70-130	2		30
Ethylbenzene	96		95		70-130	1		30
Chloromethane	119		115		52-130	3		30
Bromomethane	112		111		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1587463-3 WG1587463-4								
Vinyl chloride	109		107		67-130	2		30
Chloroethane	102		101		50-151	1		30
1,1-Dichloroethene	96		94		65-135	2		30
trans-1,2-Dichloroethene	98		95		70-130	3		30
Trichloroethene	99		98		70-130	1		30
1,2-Dichlorobenzene	96		96		70-130	0		30
1,3-Dichlorobenzene	97		97		70-130	0		30
1,4-Dichlorobenzene	95		95		70-130	0		30
Methyl tert butyl ether	98		98		66-130	0		30
p/m-Xylene	98		97		70-130	1		30
o-Xylene	98		96		70-130	2		30
cis-1,2-Dichloroethene	98		97		70-130	1		30
Dibromomethane	101		101		70-130	0		30
Styrene	98		97		70-130	1		30
Dichlorodifluoromethane	107		106		30-146	1		30
Acetone	69		71		54-140	3		30
Carbon disulfide	94		93		59-130	1		30
2-Butanone	76		73		70-130	4		30
Vinyl acetate	110		109		70-130	1		30
4-Methyl-2-pentanone	95		100		70-130	5		30
1,2,3-Trichloropropane	97		98		68-130	1		30
2-Hexanone	86		88		70-130	2		30
Bromochloromethane	96		94		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1587463-3 WG1587463-4								
2,2-Dichloropropane	96		94		70-130	2		30
1,2-Dibromoethane	95		95		70-130	0		30
1,3-Dichloropropane	103		103		69-130	0		30
1,1,1,2-Tetrachloroethane	95		95		70-130	0		30
Bromobenzene	94		93		70-130	1		30
n-Butylbenzene	103		103		70-130	0		30
sec-Butylbenzene	97		96		70-130	1		30
tert-Butylbenzene	95		93		70-130	2		30
o-Chlorotoluene	98		98		70-130	0		30
p-Chlorotoluene	98		98		70-130	0		30
1,2-Dibromo-3-chloropropane	83		84		68-130	1		30
Hexachlorobutadiene	89		88		67-130	1		30
Isopropylbenzene	96		95		70-130	1		30
p-Isopropyltoluene	99		97		70-130	2		30
Naphthalene	90		92		70-130	2		30
Acrylonitrile	104		106		70-130	2		30
n-Propylbenzene	100		100		70-130	0		30
1,2,3-Trichlorobenzene	89		89		70-130	0		30
1,2,4-Trichlorobenzene	95		95		70-130	0		30
1,3,5-Trimethylbenzene	97		95		70-130	2		30
1,2,4-Trimethylbenzene	98		97		70-130	1		30
1,4-Dioxane	94		96		65-136	2		30
p-Diethylbenzene	101		99		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Project Number: 2908.0008Y000

Lab Number: L2170424

Report Date: 12/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1587463-3 WG1587463-4								
p-Ethyltoluene	99		98		70-130	1		30
1,2,4,5-Tetramethylbenzene	98		96		70-130	2		30
Ethyl ether	104		106		67-130	2		30
trans-1,4-Dichloro-2-butene	101		92		70-130	9		30

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1587879-3 WG1587879-4								
Methylene chloride	95		94		70-130	1		30
1,1-Dichloroethane	106		104		70-130	2		30
Chloroform	99		98		70-130	1		30
Carbon tetrachloride	98		94		70-130	4		30
1,2-Dichloropropane	108		107		70-130	1		30
Dibromochloromethane	98		101		70-130	3		30
1,1,2-Trichloroethane	99		102		70-130	3		30
Tetrachloroethene	100		98		70-130	2		30
Chlorobenzene	97		98		70-130	1		30
Trichlorofluoromethane	104		100		70-139	4		30
1,2-Dichloroethane	98		98		70-130	0		30
1,1,1-Trichloroethane	101		98		70-130	3		30
Bromodichloromethane	101		100		70-130	1		30
trans-1,3-Dichloropropene	101		102		70-130	1		30
cis-1,3-Dichloropropene	108		108		70-130	0		30
1,1-Dichloropropene	107		103		70-130	4		30
Bromoform	94		96		70-130	2		30
1,1,2,2-Tetrachloroethane	99		101		70-130	2		30
Benzene	104		102		70-130	2		30
Toluene	99		98		70-130	1		30
Ethylbenzene	99		98		70-130	1		30
Chloromethane	118		111		52-130	6		30
Bromomethane	125		119		57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1587879-3 WG1587879-4								
Vinyl chloride	111		104		67-130	7		30
Chloroethane	105		102		50-151	3		30
1,1-Dichloroethene	102		99		65-135	3		30
trans-1,2-Dichloroethene	103		100		70-130	3		30
Trichloroethene	102		100		70-130	2		30
1,2-Dichlorobenzene	98		96		70-130	2		30
1,3-Dichlorobenzene	100		97		70-130	3		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	98		99		66-130	1		30
p/m-Xylene	101		99		70-130	2		30
o-Xylene	99		98		70-130	1		30
cis-1,2-Dichloroethene	101		99		70-130	2		30
Dibromomethane	99		101		70-130	2		30
Styrene	99		100		70-130	1		30
Dichlorodifluoromethane	105		99		30-146	6		30
Acetone	67		69		54-140	3		30
Carbon disulfide	100		96		59-130	4		30
2-Butanone	74		78		70-130	5		30
Vinyl acetate	104		105		70-130	1		30
4-Methyl-2-pentanone	96		99		70-130	3		30
1,2,3-Trichloropropane	95		96		68-130	1		30
2-Hexanone	83		86		70-130	4		30
Bromochloromethane	98		97		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1587879-3 WG1587879-4								
2,2-Dichloropropane	100		96		70-130	4		30
1,2-Dibromoethane	93		95		70-130	2		30
1,3-Dichloropropane	100		102		69-130	2		30
1,1,1,2-Tetrachloroethane	96		97		70-130	1		30
Bromobenzene	97		96		70-130	1		30
n-Butylbenzene	108		102		70-130	6		30
sec-Butylbenzene	101		97		70-130	4		30
tert-Butylbenzene	98		95		70-130	3		30
o-Chlorotoluene	100		97		70-130	3		30
p-Chlorotoluene	100		98		70-130	2		30
1,2-Dibromo-3-chloropropane	85		84		68-130	1		30
Hexachlorobutadiene	98		94		67-130	4		30
Isopropylbenzene	101		97		70-130	4		30
p-Isopropyltoluene	103		99		70-130	4		30
Naphthalene	92		91		70-130	1		30
Acrylonitrile	105		110		70-130	5		30
n-Propylbenzene	105		100		70-130	5		30
1,2,3-Trichlorobenzene	92		91		70-130	1		30
1,2,4-Trichlorobenzene	100		97		70-130	3		30
1,3,5-Trimethylbenzene	100		97		70-130	3		30
1,2,4-Trimethylbenzene	100		97		70-130	3		30
1,4-Dioxane	99		100		65-136	1		30
p-Diethylbenzene	104		100		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Project Number: 2908.0008Y000

Lab Number: L2170424

Report Date: 12/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1587879-3 WG1587879-4								
p-Ethyltoluene	104		100		70-130	4		30
1,2,4,5-Tetramethylbenzene	100		97		70-130	3		30
Ethyl ether	106		106		67-130	0		30
trans-1,4-Dichloro-2-butene	97		89		70-130	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		98		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	99		98		70-130

SEMIVOLATILES

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-01
 Client ID: SB-10_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 08:20
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/23/21 15:16
 Analyst: IM
 Percent Solids: 79%

Extraction Method: EPA 3546
 Extraction Date: 12/22/21 13:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	810		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	43	J	ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	47	J	ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-01
 Client ID: SB-10_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 08:20
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	460		ug/kg	130	24.	1
Benzo(a)pyrene	390		ug/kg	170	52.	1
Benzo(b)fluoranthene	570		ug/kg	130	36.	1
Benzo(k)fluoranthene	190		ug/kg	130	34.	1
Chrysene	490		ug/kg	130	22.	1
Acenaphthylene	86	J	ug/kg	170	33.	1
Anthracene	92	J	ug/kg	130	41.	1
Benzo(ghi)perylene	240		ug/kg	170	25.	1
Fluorene	28	J	ug/kg	210	20.	1
Phenanthrene	460		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	69	J	ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	290		ug/kg	170	30.	1
Pyrene	720		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	28.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	27	J	ug/kg	210	20.	1
2-Methylnaphthalene	27	J	ug/kg	250	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND		ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	99.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-01
 Client ID: SB-10_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 08:20
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	690	210	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	45	J	ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	32	9.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	70		18-120

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-02
 Client ID: SB-10_(2-4)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 08:30
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/23/21 15:38
 Analyst: IM
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 12/22/21 13:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	480		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	42	J	ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-02
 Client ID: SB-10_(2-4)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 08:30
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	320		ug/kg	120	22.	1
Benzo(a)pyrene	260		ug/kg	160	47.	1
Benzo(b)fluoranthene	410		ug/kg	120	33.	1
Benzo(k)fluoranthene	140		ug/kg	120	31.	1
Chrysene	410		ug/kg	120	20.	1
Acenaphthylene	62	J	ug/kg	160	30.	1
Anthracene	45	J	ug/kg	120	38.	1
Benzo(ghi)perylene	160		ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	180		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	50	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	180		ug/kg	160	27.	1
Pyrene	450		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	37.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	24	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-02
 Client ID: SB-10_(2-4)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 08:30
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	64		18-120

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-03
 Client ID: SB-11_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 10:30
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/23/21 16:00
 Analyst: IM
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 12/22/21 13:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	33.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	270		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	42	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	64.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	63.	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-03
 Client ID: SB-11_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 10:30
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	170		ug/kg	110	21.	1
Benzo(a)pyrene	150		ug/kg	150	45.	1
Benzo(b)fluoranthene	170		ug/kg	110	31.	1
Benzo(k)fluoranthene	59	J	ug/kg	110	30.	1
Chrysene	160		ug/kg	110	19.	1
Acenaphthylene	73	J	ug/kg	150	29.	1
Anthracene	40	J	ug/kg	110	36.	1
Benzo(ghi)perylene	100	J	ug/kg	150	22.	1
Fluorene	24	J	ug/kg	190	18.	1
Phenanthrene	170		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	24	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	100	J	ug/kg	150	26.	1
Pyrene	350		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	28	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-03
 Client ID: SB-11_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 10:30
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	60		18-120

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-04
 Client ID: SB-11_(10-12)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 11:00
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/23/21 16:22
 Analyst: IM
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 12/22/21 15:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	380		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-04
 Client ID: SB-11_(10-12)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 11:00
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	240		ug/kg	120	22.	1
Benzo(a)pyrene	200		ug/kg	150	47.	1
Benzo(b)fluoranthene	300		ug/kg	120	32.	1
Benzo(k)fluoranthene	70	J	ug/kg	120	31.	1
Chrysene	230		ug/kg	120	20.	1
Acenaphthylene	52	J	ug/kg	150	30.	1
Anthracene	44	J	ug/kg	120	38.	1
Benzo(ghi)perylene	130	J	ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	160		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	37	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	150		ug/kg	150	27.	1
Pyrene	380		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-04
 Client ID: SB-11_(10-12)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 11:00
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	23	J	ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	45		18-120

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-05
Client ID: SB-7_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 11:20
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/26/21 18:03
Analyst: ALS
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 12/22/21 13:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-05
 Client ID: SB-7_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 11:20
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-05
 Client ID: SB-7_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 11:20
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	140	J	ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	76		18-120

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-06
Client ID: SB-7_(2-4)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 11:30
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/26/21 18:26
Analyst: ALS
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 12/22/21 13:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	ND		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1

Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-06
 Client ID: SB-7_(2-4)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 11:30
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	29.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	27.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	87.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND		ug/kg	460	79.	1
4-Nitrophenol	ND		ug/kg	300	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-06
 Client ID: SB-7_(2-4)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 11:30
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	93	J	ug/kg	210	65.	1
Carbazole	ND		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	32	9.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	97		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	101		10-136
4-Terphenyl-d14	85		18-120

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-07
 Client ID: SB-20_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 13:20
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/29/21 07:32
 Analyst: SZ
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 12/22/21 13:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	190		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-07
 Client ID: SB-20_(0-2)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 13:20
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	120		ug/kg	110	20.	1
Benzo(a)pyrene	140		ug/kg	140	43.	1
Benzo(b)fluoranthene	190		ug/kg	110	30.	1
Benzo(k)fluoranthene	53	J	ug/kg	110	28.	1
Chrysene	170		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	130	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	61	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	37	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	140		ug/kg	140	25.	1
Pyrene	200		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	23.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-07
Client ID: SB-20_(0-2)
Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 13:20
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		25-120
Phenol-d6	35		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	34		30-120
2,4,6-Tribromophenol	35		10-136
4-Terphenyl-d14	34		18-120

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-08
 Client ID: SB-20_(3-5)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 13:40
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 12/29/21 07:54
 Analyst: SZ
 Percent Solids: 83%

Extraction Method: EPA 3546
 Extraction Date: 12/22/21 13:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	34.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	350		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	29	J	ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-08
 Client ID: SB-20_(3-5)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 13:40
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	200		ug/kg	120	22.	1
Benzo(a)pyrene	230		ug/kg	160	48.	1
Benzo(b)fluoranthene	300		ug/kg	120	33.	1
Benzo(k)fluoranthene	110	J	ug/kg	120	31.	1
Chrysene	250		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	50	J	ug/kg	120	38.	1
Benzo(ghi)perylene	190		ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	180		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	47	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	230		ug/kg	160	27.	1
Pyrene	310		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	38.	1
3-Nitroaniline	ND		ug/kg	190	37.	1
4-Nitroaniline	ND		ug/kg	190	81.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-08
 Client ID: SB-20_(3-5)
 Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Date Collected: 12/21/21 13:40
 Date Received: 12/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	21	J	ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	68		18-120

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/23/21 12:21
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 12/22/21 13:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1586751-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
1,2-Dichlorobenzene	ND		ug/kg	170	30.
1,3-Dichlorobenzene	ND		ug/kg	170	29.
1,4-Dichlorobenzene	ND		ug/kg	170	29.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	25.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/23/21 12:21
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 12/22/21 13:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1586751-1					
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	27.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	22.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	21.
2,4,6-Trichlorophenol	ND		ug/kg	100	32.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 12/23/21 12:21
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 12/22/21 13:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatiles Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1586751-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	78.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	37.
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	76		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1586751-2 WG1586751-3								
Acenaphthene	79		77		31-137	3		50
1,2,4-Trichlorobenzene	67		61		38-107	9		50
Hexachlorobenzene	78		78		40-140	0		50
Bis(2-chloroethyl)ether	70		61		40-140	14		50
2-Chloronaphthalene	76		72		40-140	5		50
1,2-Dichlorobenzene	71		61		40-140	15		50
1,3-Dichlorobenzene	70		59		40-140	17		50
1,4-Dichlorobenzene	70		60		28-104	15		50
3,3'-Dichlorobenzidine	47		58		40-140	21		50
2,4-Dinitrotoluene	86		86		40-132	0		50
2,6-Dinitrotoluene	80		79		40-140	1		50
Fluoranthene	81		81		40-140	0		50
4-Chlorophenyl phenyl ether	71		72		40-140	1		50
4-Bromophenyl phenyl ether	77		77		40-140	0		50
Bis(2-chloroisopropyl)ether	62		54		40-140	14		50
Bis(2-chloroethoxy)methane	74		67		40-117	10		50
Hexachlorobutadiene	63		56		40-140	12		50
Hexachlorocyclopentadiene	72		66		40-140	9		50
Hexachloroethane	67		57		40-140	16		50
Isophorone	76		69		40-140	10		50
Naphthalene	74		68		40-140	8		50
Nitrobenzene	75		66		40-140	13		50
NDPA/DPA	79		80		36-157	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1586751-2 WG1586751-3								
n-Nitrosodi-n-propylamine	74		66		32-121	11		50
Bis(2-ethylhexyl)phthalate	82		83		40-140	1		50
Butyl benzyl phthalate	82		84		40-140	2		50
Di-n-butylphthalate	80		81		40-140	1		50
Di-n-octylphthalate	82		83		40-140	1		50
Diethyl phthalate	76		76		40-140	0		50
Dimethyl phthalate	75		75		40-140	0		50
Benzo(a)anthracene	76		77		40-140	1		50
Benzo(a)pyrene	81		83		40-140	2		50
Benzo(b)fluoranthene	87		85		40-140	2		50
Benzo(k)fluoranthene	85		89		40-140	5		50
Chrysene	75		76		40-140	1		50
Acenaphthylene	76		73		40-140	4		50
Anthracene	80		82		40-140	2		50
Benzo(ghi)perylene	91		91		40-140	0		50
Fluorene	80		80		40-140	0		50
Phenanthrene	78		78		40-140	0		50
Dibenzo(a,h)anthracene	91		91		40-140	0		50
Indeno(1,2,3-cd)pyrene	87		87		40-140	0		50
Pyrene	79		80		35-142	1		50
Biphenyl	81		77		37-127	5		50
4-Chloroaniline	52		57		40-140	9		50
2-Nitroaniline	85		82		47-134	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1586751-2 WG1586751-3								
3-Nitroaniline	54		63		26-129	15		50
4-Nitroaniline	78		83		41-125	6		50
Dibenzofuran	76		76		40-140	0		50
2-Methylnaphthalene	77		72		40-140	7		50
1,2,4,5-Tetrachlorobenzene	72		67		40-117	7		50
Acetophenone	80		71		14-144	12		50
2,4,6-Trichlorophenol	80		77		30-130	4		50
p-Chloro-m-cresol	86		85		26-103	1		50
2-Chlorophenol	78		69		25-102	12		50
2,4-Dichlorophenol	82		75		30-130	9		50
2,4-Dimethylphenol	76		70		30-130	8		50
2-Nitrophenol	80		71		30-130	12		50
4-Nitrophenol	87		84		11-114	4		50
2,4-Dinitrophenol	64		60		4-130	6		50
4,6-Dinitro-o-cresol	83		84		10-130	1		50
Pentachlorophenol	65		64		17-109	2		50
Phenol	82		74		26-90	10		50
2-Methylphenol	81		75		30-130.	8		50
3-Methylphenol/4-Methylphenol	84		77		30-130	9		50
2,4,5-Trichlorophenol	77		74		30-130	4		50
Benzoic Acid	22		21		10-110	5		50
Benzyl Alcohol	75		68		40-140	10		50
Carbazole	84		85		54-128	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1586751-2 WG1586751-3								
1,4-Dioxane	53		39	Q	40-140	30		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		71		25-120
Phenol-d6	87		77		10-120
Nitrobenzene-d5	79		70		23-120
2-Fluorobiphenyl	76		72		30-120
2,4,6-Tribromophenol	85		82		10-136
4-Terphenyl-d14	82		83		18-120

METALS

Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-01

Date Collected: 12/21/21 08:20

Client ID: SB-10_(0-2)

Date Received: 12/21/21

Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5810		mg/kg	9.87	2.66	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Antimony, Total	0.474	J	mg/kg	4.94	0.375	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Arsenic, Total	7.16		mg/kg	0.987	0.205	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Barium, Total	115		mg/kg	0.987	0.172	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Beryllium, Total	0.257	J	mg/kg	0.494	0.033	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Cadmium, Total	0.701	J	mg/kg	0.987	0.097	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Calcium, Total	1800		mg/kg	9.87	3.45	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Chromium, Total	12.2		mg/kg	0.987	0.095	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Cobalt, Total	7.33		mg/kg	1.97	0.164	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Copper, Total	36.4		mg/kg	0.987	0.255	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Iron, Total	14800		mg/kg	4.94	0.891	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Lead, Total	277		mg/kg	4.94	0.264	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Magnesium, Total	1820		mg/kg	9.87	1.52	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Manganese, Total	181		mg/kg	0.987	0.157	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Mercury, Total	0.514		mg/kg	0.084	0.055	1	12/23/21 20:20	12/27/21 14:59	EPA 7471B	1,7471B	NB
Nickel, Total	12.2		mg/kg	2.47	0.239	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Potassium, Total	935		mg/kg	247	14.2	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.97	0.255	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Silver, Total	0.622	J	mg/kg	0.987	0.279	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Sodium, Total	146	J	mg/kg	197	3.11	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.97	0.311	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Vanadium, Total	20.4		mg/kg	0.987	0.200	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW
Zinc, Total	116		mg/kg	4.94	0.289	2	12/23/21 19:33	12/29/21 10:36	EPA 3050B	1,6010D	EW



Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-02

Date Collected: 12/21/21 08:30

Client ID: SB-10_(2-4)

Date Received: 12/21/21

Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10800		mg/kg	9.07	2.45	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.53	0.345	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Arsenic, Total	2.74		mg/kg	0.907	0.189	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Barium, Total	93.8		mg/kg	0.907	0.158	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Beryllium, Total	0.381	J	mg/kg	0.453	0.030	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Cadmium, Total	0.481	J	mg/kg	0.907	0.089	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Calcium, Total	1050		mg/kg	9.07	3.17	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Chromium, Total	21.1		mg/kg	0.907	0.087	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Cobalt, Total	7.06		mg/kg	1.81	0.150	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Copper, Total	14.4		mg/kg	0.907	0.234	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Iron, Total	15300		mg/kg	4.53	0.819	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Lead, Total	55.0		mg/kg	4.53	0.243	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Magnesium, Total	2870		mg/kg	9.07	1.40	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Manganese, Total	181		mg/kg	0.907	0.144	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Mercury, Total	0.168		mg/kg	0.079	0.052	1	12/23/21 20:20	12/27/21 15:46	EPA 7471B	1,7471B	NB
Nickel, Total	11.1		mg/kg	2.27	0.219	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Potassium, Total	882		mg/kg	227	13.0	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.81	0.234	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.907	0.257	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Sodium, Total	89.7	J	mg/kg	181	2.86	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.81	0.286	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Vanadium, Total	28.8		mg/kg	0.907	0.184	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW
Zinc, Total	60.6		mg/kg	4.53	0.266	2	12/23/21 19:33	12/29/21 12:05	EPA 3050B	1,6010D	EW



Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-03

Date Collected: 12/21/21 10:30

Client ID: SB-11_(0-2)

Date Received: 12/21/21

Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7540		mg/kg	8.71	2.35	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.35	0.331	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Arsenic, Total	3.34		mg/kg	0.871	0.181	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Barium, Total	60.3		mg/kg	0.871	0.152	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Beryllium, Total	0.322	J	mg/kg	0.435	0.029	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Cadmium, Total	0.488	J	mg/kg	0.871	0.085	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Calcium, Total	1990		mg/kg	8.71	3.05	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Chromium, Total	15.6		mg/kg	0.871	0.084	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Cobalt, Total	6.60		mg/kg	1.74	0.144	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Copper, Total	15.9		mg/kg	0.871	0.225	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Iron, Total	12500		mg/kg	4.35	0.786	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Lead, Total	37.4		mg/kg	4.35	0.233	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Magnesium, Total	2760		mg/kg	8.71	1.34	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Manganese, Total	302		mg/kg	0.871	0.138	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Mercury, Total	0.342		mg/kg	0.072	0.047	1	12/23/21 20:20	12/27/21 15:49	EPA 7471B	1,7471B	NB
Nickel, Total	12.2		mg/kg	2.18	0.211	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Potassium, Total	1100		mg/kg	218	12.5	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.74	0.225	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.871	0.246	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Sodium, Total	91.7	J	mg/kg	174	2.74	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.74	0.274	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Vanadium, Total	21.1		mg/kg	0.871	0.177	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW
Zinc, Total	56.3		mg/kg	4.35	0.255	2	12/23/21 19:33	12/29/21 12:10	EPA 3050B	1,6010D	EW



Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-04

Date Collected: 12/21/21 11:00

Client ID: SB-11_(10-12)

Date Received: 12/21/21

Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6970		mg/kg	9.14	2.47	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.57	0.347	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Arsenic, Total	2.61		mg/kg	0.914	0.190	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Barium, Total	68.8		mg/kg	0.914	0.159	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Beryllium, Total	0.265	J	mg/kg	0.457	0.030	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Cadmium, Total	0.512	J	mg/kg	0.914	0.090	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Calcium, Total	3290		mg/kg	9.14	3.20	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Chromium, Total	16.9		mg/kg	0.914	0.088	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Cobalt, Total	5.33		mg/kg	1.83	0.152	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Copper, Total	17.0		mg/kg	0.914	0.236	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Iron, Total	11800		mg/kg	4.57	0.825	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Lead, Total	127		mg/kg	4.57	0.245	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Magnesium, Total	3200		mg/kg	9.14	1.41	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Manganese, Total	222		mg/kg	0.914	0.145	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.077	0.051	1	12/23/21 20:20	12/27/21 15:59	EPA 7471B	1,7471B	NB
Nickel, Total	10.0		mg/kg	2.28	0.221	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Potassium, Total	1360		mg/kg	228	13.2	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.83	0.236	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.914	0.258	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Sodium, Total	116	J	mg/kg	183	2.88	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.83	0.288	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Vanadium, Total	21.8		mg/kg	0.914	0.185	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW
Zinc, Total	80.4		mg/kg	4.57	0.268	2	12/23/21 19:33	12/29/21 12:15	EPA 3050B	1,6010D	EW



Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-05

Date Collected: 12/21/21 11:20

Client ID: SB-7_(0-2)

Date Received: 12/21/21

Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3920		mg/kg	8.67	2.34	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.34	0.330	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Arsenic, Total	2.07		mg/kg	0.867	0.180	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Barium, Total	41.9		mg/kg	0.867	0.151	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Beryllium, Total	0.113	J	mg/kg	0.434	0.029	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Cadmium, Total	0.304	J	mg/kg	0.867	0.085	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Calcium, Total	13600		mg/kg	8.67	3.04	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Chromium, Total	10.4		mg/kg	0.867	0.083	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Cobalt, Total	5.61		mg/kg	1.73	0.144	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Copper, Total	12.8		mg/kg	0.867	0.224	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Iron, Total	8570		mg/kg	4.34	0.783	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Lead, Total	4.54		mg/kg	4.34	0.232	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Magnesium, Total	2220		mg/kg	8.67	1.34	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Manganese, Total	150		mg/kg	0.867	0.138	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Mercury, Total	0.10		mg/kg	0.075	0.049	1	12/23/21 20:20	12/27/21 16:02	EPA 7471B	1,7471B	NB
Nickel, Total	10.2		mg/kg	2.17	0.210	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Potassium, Total	1280		mg/kg	217	12.5	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.73	0.224	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.867	0.245	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Sodium, Total	246		mg/kg	173	2.73	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.73	0.273	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Vanadium, Total	15.3		mg/kg	0.867	0.176	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW
Zinc, Total	31.8		mg/kg	4.34	0.254	2	12/23/21 19:33	12/29/21 12:20	EPA 3050B	1,6010D	EW



Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-06

Date Collected: 12/21/21 11:30

Client ID: SB-7_(2-4)

Date Received: 12/21/21

Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6840		mg/kg	9.89	2.67	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.94	0.376	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Arsenic, Total	2.13		mg/kg	0.989	0.206	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Barium, Total	71.8		mg/kg	0.989	0.172	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Beryllium, Total	0.188	J	mg/kg	0.494	0.033	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Cadmium, Total	0.514	J	mg/kg	0.989	0.097	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Calcium, Total	2500		mg/kg	9.89	3.46	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Chromium, Total	20.8		mg/kg	0.989	0.095	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Cobalt, Total	8.25		mg/kg	1.98	0.164	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Copper, Total	20.5		mg/kg	0.989	0.255	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Iron, Total	14600		mg/kg	4.94	0.893	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Lead, Total	4.27	J	mg/kg	4.94	0.265	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Magnesium, Total	3980		mg/kg	9.89	1.52	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Manganese, Total	212		mg/kg	0.989	0.157	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.092	0.060	1	12/23/21 20:20	12/27/21 16:06	EPA 7471B	1,7471B	NB
Nickel, Total	14.6		mg/kg	2.47	0.239	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Potassium, Total	2420		mg/kg	247	14.2	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.98	0.255	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.989	0.280	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Sodium, Total	136	J	mg/kg	198	3.12	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.98	0.312	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Vanadium, Total	31.1		mg/kg	0.989	0.201	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW
Zinc, Total	43.7		mg/kg	4.94	0.290	2	12/23/21 19:33	12/29/21 12:24	EPA 3050B	1,6010D	EW



Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-07

Date Collected: 12/21/21 13:20

Client ID: SB-20_(0-2)

Date Received: 12/21/21

Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3000		mg/kg	8.22	2.22	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.11	0.312	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Arsenic, Total	2.16		mg/kg	0.822	0.171	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Barium, Total	22.2		mg/kg	0.822	0.143	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Beryllium, Total	0.066	J	mg/kg	0.411	0.027	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Cadmium, Total	0.362	J	mg/kg	0.822	0.081	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Calcium, Total	54300		mg/kg	41.1	14.4	10	12/23/21 19:33	12/29/21 14:36	EPA 3050B	1,6010D	EW
Chromium, Total	32.7		mg/kg	0.822	0.079	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Cobalt, Total	3.84		mg/kg	1.64	0.136	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Copper, Total	19.1		mg/kg	0.822	0.212	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Iron, Total	7550		mg/kg	4.11	0.742	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Lead, Total	136		mg/kg	4.11	0.220	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Magnesium, Total	24200		mg/kg	8.22	1.27	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Manganese, Total	127		mg/kg	0.822	0.131	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.071	0.046	1	12/23/21 20:20	12/27/21 16:09	EPA 7471B	1,7471B	NB
Nickel, Total	7.71		mg/kg	2.06	0.199	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Potassium, Total	538		mg/kg	206	11.8	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.64	0.212	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.822	0.233	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Sodium, Total	169		mg/kg	164	2.59	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.64	0.259	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Vanadium, Total	27.0		mg/kg	0.822	0.167	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW
Zinc, Total	58.8		mg/kg	4.11	0.241	2	12/23/21 19:33	12/29/21 12:29	EPA 3050B	1,6010D	EW



Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-08

Date Collected: 12/21/21 13:40

Client ID: SB-20_(3-5)

Date Received: 12/21/21

Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5790		mg/kg	9.38	2.53	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Antimony, Total	0.769	J	mg/kg	4.69	0.356	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Arsenic, Total	4.14		mg/kg	0.938	0.195	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Barium, Total	94.5		mg/kg	0.938	0.163	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Beryllium, Total	0.356	J	mg/kg	0.469	0.031	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Cadmium, Total	0.909	J	mg/kg	0.938	0.092	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Calcium, Total	2760		mg/kg	9.38	3.28	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Chromium, Total	11.4		mg/kg	0.938	0.090	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Cobalt, Total	6.36		mg/kg	1.88	0.156	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Copper, Total	61.0		mg/kg	0.938	0.242	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Iron, Total	9950		mg/kg	4.69	0.846	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Lead, Total	180		mg/kg	4.69	0.251	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Magnesium, Total	2010		mg/kg	9.38	1.44	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Manganese, Total	192		mg/kg	0.938	0.149	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Mercury, Total	0.179		mg/kg	0.085	0.055	1	12/23/21 20:20	12/27/21 16:12	EPA 7471B	1,7471B	NB
Nickel, Total	13.4		mg/kg	2.34	0.227	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Potassium, Total	1260		mg/kg	234	13.5	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.88	0.242	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.938	0.265	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Sodium, Total	224		mg/kg	188	2.95	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.88	0.295	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Vanadium, Total	20.7		mg/kg	0.938	0.190	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW
Zinc, Total	1730		mg/kg	4.69	0.275	2	12/23/21 19:33	12/29/21 12:34	EPA 3050B	1,6010D	EW



Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

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): 01-08 Batch: WG1586698-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Antimony, Total	ND		mg/kg	2.00	0.152	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Barium, Total	ND		mg/kg	0.400	0.070	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Calcium, Total	ND		mg/kg	4.00	1.40	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Copper, Total	ND		mg/kg	0.400	0.103	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Iron, Total	ND		mg/kg	2.00	0.361	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Lead, Total	ND		mg/kg	2.00	0.107	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Manganese, Total	ND		mg/kg	0.400	0.064	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Potassium, Total	ND		mg/kg	100	5.76	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Silver, Total	ND		mg/kg	0.400	0.113	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Sodium, Total	11.9	J	mg/kg	80.0	1.26	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/23/21 19:33	12/29/21 11:09	1,6010D	EW

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): 01-08 Batch: WG1586699-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	12/23/21 20:20	12/27/21 14:53	1,7471B	NB



Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1586698-2 SRM Lot Number: D113-540								
Aluminum, Total	70		-		51-149	-		
Antimony, Total	126		-		20-250	-		
Arsenic, Total	104		-		70-130	-		
Barium, Total	94		-		75-125	-		
Beryllium, Total	97		-		75-125	-		
Cadmium, Total	100		-		75-125	-		
Calcium, Total	98		-		73-128	-		
Chromium, Total	98		-		70-130	-		
Cobalt, Total	100		-		75-125	-		
Copper, Total	101		-		75-125	-		
Iron, Total	97		-		36-164	-		
Lead, Total	102		-		72-128	-		
Magnesium, Total	85		-		63-138	-		
Manganese, Total	94		-		77-123	-		
Nickel, Total	102		-		70-130	-		
Potassium, Total	84		-		59-141	-		
Selenium, Total	98		-		66-134	-		
Silver, Total	101		-		70-131	-		
Sodium, Total	98		-		35-164	-		
Thallium, Total	99		-		70-130	-		
Vanadium, Total	108		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1586698-2 SRM Lot Number: D113-540					
Zinc, Total	100	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1586699-2 SRM Lot Number: D113-540					
Mercury, Total	102	-	60-140	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

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): 01-08 QC Batch ID: WG1586698-3 QC Sample: L2170424-01 Client ID: SB-10_(0-2)												
Aluminum, Total	5810	196	6610	408	Q	-	-		75-125	-		20
Antimony, Total	0.474J	49	29.3	60	Q	-	-		75-125	-		20
Arsenic, Total	7.16	11.8	15.3	69	Q	-	-		75-125	-		20
Barium, Total	115	196	280	84		-	-		75-125	-		20
Beryllium, Total	0.257J	4.9	4.23	86		-	-		75-125	-		20
Cadmium, Total	0.701J	5.19	4.96	95		-	-		75-125	-		20
Calcium, Total	1800	980	2520	73	Q	-	-		75-125	-		20
Chromium, Total	12.2	19.6	27.6	78		-	-		75-125	-		20
Cobalt, Total	7.33	49	43.1	73	Q	-	-		75-125	-		20
Copper, Total	36.4	24.5	54.4	73	Q	-	-		75-125	-		20
Iron, Total	14800	98	11200	0	Q	-	-		75-125	-		20
Lead, Total	277	51.9	369	177	Q	-	-		75-125	-		20
Magnesium, Total	1820	980	2640	84		-	-		75-125	-		20
Manganese, Total	181	49	282	206	Q	-	-		75-125	-		20
Nickel, Total	12.2	49	49.3	76		-	-		75-125	-		20
Potassium, Total	935	980	1830	91		-	-		75-125	-		20
Selenium, Total	ND	11.8	9.66	82		-	-		75-125	-		20
Silver, Total	0.622J	29.4	25.5	87		-	-		75-125	-		20
Sodium, Total	146J	980	969	99		-	-		75-125	-		20
Thallium, Total	ND	11.8	8.45	72	Q	-	-		75-125	-		20
Vanadium, Total	20.4	49	63.8	88		-	-		75-125	-		20

Matrix Spike Analysis Batch Quality Control

Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

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): 01-08 QC Batch ID: WG1586698-3 QC Sample: L2170424-01 Client ID: SB-10_(0-2)									
Zinc, Total	116	49	177	124	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1586699-3 QC Sample: L2170424-01 Client ID: SB-10_(0-2)									
Mercury, Total	0.514	0.175	0.486	0	Q	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Project Number: 2908.0008Y000

Lab Number: L2170424

Report Date: 12/29/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1586698-4 QC Sample: L2170424-01 Client ID: SB-10_(0-2)						
Aluminum, Total	5810	6470	mg/kg	11		20
Antimony, Total	0.474J	0.488J	mg/kg	NC		20
Arsenic, Total	7.16	5.00	mg/kg	36	Q	20
Barium, Total	115	159	mg/kg	32	Q	20
Beryllium, Total	0.257J	0.299J	mg/kg	NC		20
Cadmium, Total	0.701J	0.707J	mg/kg	NC		20
Calcium, Total	1800	1810	mg/kg	1		20
Chromium, Total	12.2	14.2	mg/kg	15		20
Cobalt, Total	7.33	5.65	mg/kg	26	Q	20
Copper, Total	36.4	48.4	mg/kg	28	Q	20
Iron, Total	14800	11900	mg/kg	22	Q	20
Lead, Total	277	499	mg/kg	57	Q	20
Magnesium, Total	1820	1870	mg/kg	3		20
Manganese, Total	181	233	mg/kg	25	Q	20
Nickel, Total	12.2	9.82	mg/kg	22	Q	20
Potassium, Total	935	845	mg/kg	10		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	0.622J	1.27	mg/kg	NC		20
Sodium, Total	146J	140J	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Project Number: 2908.0008Y000

Lab Number: L2170424

Report Date: 12/29/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1586698-4 QC Sample: L2170424-01 Client ID: SB-10_(0-2)					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	20.4	22.0	mg/kg	8	20
Zinc, Total	116	168	mg/kg	37	Q 20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1586699-4 QC Sample: L2170424-01 Client ID: SB-10_(0-2)					
Mercury, Total	0.514	0.407	mg/kg	23	Q 20

Project Name: NRP MT. VERNON

Project Number: 2908.0008Y000

**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2170424

Report Date: 12/29/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1586698-6 QC Sample: L2170424-01 Client ID: SB-10_(0-2)						
Aluminum, Total	5810	6680	mg/kg	15		20
Barium, Total	115	130	mg/kg	13		20
Calcium, Total	1800	2090	mg/kg	16		20
Copper, Total	36.4	41.9	mg/kg	15		20
Iron, Total	14800	17100	mg/kg	16		20
Lead, Total	277	344	mg/kg	24	Q	20
Magnesium, Total	1820	2170	mg/kg	19		20
Manganese, Total	181	210	mg/kg	16		20

INORGANICS & MISCELLANEOUS

Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-01

Date Collected: 12/21/21 08:20

Client ID: SB-10_(0-2)

Date Received: 12/21/21

Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.6		%	0.100	NA	1	-	12/22/21 10:43	121,2540G	RI



Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-02

Date Collected: 12/21/21 08:30

Client ID: SB-10_(2-4)

Date Received: 12/21/21

Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.6		%	0.100	NA	1	-	12/22/21 10:43	121,2540G	RI



Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-03

Date Collected: 12/21/21 10:30

Client ID: SB-11_(0-2)

Date Received: 12/21/21

Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	12/22/21 10:43	121,2540G	RI



Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-04

Date Collected: 12/21/21 11:00

Client ID: SB-11_(10-12)

Date Received: 12/21/21

Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	12/22/21 10:43	121,2540G	RI



Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-05

Date Collected: 12/21/21 11:20

Client ID: SB-7_(0-2)

Date Received: 12/21/21

Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.5		%	0.100	NA	1	-	12/22/21 10:43	121,2540G	RI



Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-06

Date Collected: 12/21/21 11:30

Client ID: SB-7_(2-4)

Date Received: 12/21/21

Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	12/22/21 10:43	121,2540G	RI



Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-07

Date Collected: 12/21/21 13:20

Client ID: SB-20_(0-2)

Date Received: 12/21/21

Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.2		%	0.100	NA	1	-	12/22/21 10:43	121,2540G	RI



Project Name: NRP MT. VERNON

Lab Number: L2170424

Project Number: 2908.0008Y000

Report Date: 12/29/21

SAMPLE RESULTS

Lab ID: L2170424-08

Date Collected: 12/21/21 13:40

Client ID: SB-20_(3-5)

Date Received: 12/21/21

Sample Location: 115 S. MACQUESTERN PKWY, MT. VERNON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	12/22/21 10:43	121,2540G	RI



Lab Duplicate Analysis

Batch Quality Control

Project Name: NRP MT. VERNON

Project Number: 2908.0008Y000

Lab Number: L2170424

Report Date: 12/29/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1586463-1 QC Sample: L2170177-01 Client ID: DUP Sample						
Solids, Total	89.2	89.6	%	0		20

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Serial_No:12292118:25
Lab Number: L2170424
Report Date: 12/29/21

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(*)
L2170424-01A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-01B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-01C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-01D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2170424-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2170424-01F	Glass 120ml/4oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8270(14)
L2170424-01X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-01Y	Vial Water preserved split	A	NA		2.0	Y	Absent	22-DEC-21 10:28	NYTCL-8260HLW(14)
L2170424-01Z	Vial Water preserved split	A	NA		2.0	Y	Absent	22-DEC-21 10:28	NYTCL-8260HLW(14)
L2170424-02A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-02B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-02C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-02D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2170424-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2170424-02F	Glass 120ml/4oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8270(14)
L2170424-02X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-02Y	Vial Water preserved split	A	NA		2.0	Y	Absent	22-DEC-21 10:28	NYTCL-8260HLW(14)
L2170424-02Z	Vial Water preserved split	A	NA		2.0	Y	Absent	22-DEC-21 10:28	NYTCL-8260HLW(14)

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Serial_No: 12292118:25
Lab Number: L2170424
Report Date: 12/29/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2170424-03A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-03B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-03C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-03D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2170424-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.0	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),SE-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2170424-03F	Glass 120ml/4oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8270(14)
L2170424-03X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-03Y	Vial Water preserved split	A	NA		2.0	Y	Absent	22-DEC-21 10:28	NYTCL-8260HLW(14)
L2170424-03Z	Vial Water preserved split	A	NA		2.0	Y	Absent	22-DEC-21 10:28	NYTCL-8260HLW(14)
L2170424-04A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-04B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-04C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-04D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2170424-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L2170424-04F	Glass 120ml/4oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8270(14)
L2170424-04X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-04Y	Vial Water preserved split	A	NA		2.0	Y	Absent	22-DEC-21 10:28	NYTCL-8260HLW(14)
L2170424-04Z	Vial Water preserved split	A	NA		2.0	Y	Absent	22-DEC-21 10:28	NYTCL-8260HLW(14)
L2170424-05A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-05B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-05C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-05D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days



Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Serial_No: 12292118:25
Lab Number: L2170424
Report Date: 12/29/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2170424-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2170424-05F	Glass 120ml/4oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8270(14)
L2170424-05X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-05Y	Vial Water preserved split	A	NA		2.0	Y	Absent	22-DEC-21 10:28	NYTCL-8260HLW(14)
L2170424-05Z	Vial Water preserved split	A	NA		2.0	Y	Absent	22-DEC-21 10:28	NYTCL-8260HLW(14)
L2170424-06A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-06B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-06C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-06D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2170424-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.0	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),ZN-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2170424-06F	Glass 120ml/4oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8270(14)
L2170424-06X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-06Y	Vial Water preserved split	A	NA		2.0	Y	Absent	22-DEC-21 10:28	NYTCL-8260HLW(14)
L2170424-06Z	Vial Water preserved split	A	NA		2.0	Y	Absent	22-DEC-21 10:28	NYTCL-8260HLW(14)
L2170424-07A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-07B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-07C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-07D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2170424-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.0	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),SE-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L2170424-07F	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8270(14)
L2170424-07X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Serial_No:12292118:25
Lab Number: L2170424
Report Date: 12/29/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2170424-07Y	Vial Water preserved split	A	NA		2.0	Y	Absent	22-DEC-21 10:28	NYTCL-8260HLW(14)
L2170424-07Z	Vial Water preserved split	A	NA		2.0	Y	Absent	22-DEC-21 10:28	NYTCL-8260HLW(14)
L2170424-08A	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-08B	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-08C	5 gram Encore Sampler	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-08D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2170424-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2170424-08F	Glass 250ml/8oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8270(14)
L2170424-08X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYTCL-8260HLW(14)
L2170424-08Y	Vial Water preserved split	A	NA		2.0	Y	Absent	22-DEC-21 10:28	NYTCL-8260HLW(14)
L2170424-08Z	Vial Water preserved split	A	NA		2.0	Y	Absent	22-DEC-21 10:28	NYTCL-8260HLW(14)

Project Name: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



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Footnotes

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. 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.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- 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 Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: NRP MT. VERNON
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Lab Number: L2170424
Report Date: 12/29/21

Data Qualifiers

- 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: NRP MT. VERNON
Project Number: 2908.0008Y000

Lab Number: L2170424
Report Date: 12/29/21

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

EPA 625/625.1: alpha-Terpineol

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

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

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

Mansfield Facility

SM 2540D: TSS

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

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

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

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

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

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

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

Non-Potable Water

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

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

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

EPA 624.1: Volatile Halocarbons & Aromatics,

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

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

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

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water


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

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

EPA 245.1 Hg.

SM2340B

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	NEW YORK CHAIN OF CUSTODY Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1 of 1	Date Rec'd in Lab 12/21/21	ALPHA Job # L2170424		
		Project Information Project Name: NRP Mt. Vernon Project Location: 115 S MacQuestern Pkwy, Mount Vernon, NY Project #: 2908.0008Y000 (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQuIS (1 File) <input type="checkbox"/> EQuIS (4 File) <input type="checkbox"/> Other		Billing Information <input checked="" type="checkbox"/> Same as Client Info PO#	
Client Information Client: Roux Address: 209 Shafter St Islandia, New York 11749 Phone: (631)232-2600 Fax: (631)232-9898 Email: rlombino@rouxinc.com		Project Manager: Ronald Lombino ALPHAQuote #: Q17040_R2 Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:	
These samples have been previously analyzed by Alpha <input type="checkbox"/>				ANALYSIS		Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)	
Other project specific requirements/comments:				8260C - VOCs 8270D - SVOCs 6020A/7471B - TAL Metals + Mercury 8082A - PCBs		Total Bottles	
Please specify Metals or TAL.							Sample Specific Comments
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials		
70424-01	SB-10-(10-2)	12/21/21	0820	S	PK		6
-02	SB-10-(2-4)		0830	S	PK		6
-03	SB-11-(10-2)		1030	S	PK		6
-04	SB-11-(10-12)		1100	S	PK		6
-05	SB-7-(10-2)		1120	S	PK		6
-06	SB-7-(2-4)		1130	S	PK		6
-07	SB-20-(10-2)		1320	S	PK		6
-08	SB-20-(3-5)		1340	S	PK	6	
Preservative Code: A = None B = HCl C = HNO3 D = H2SO4 E = NaOH F = MeOH G = NaHSO4 H = NA4S2O3 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: MA1035 Mansfield: Certification No: MA015		Container Type: E A A Preservative: A A A	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.
Relinquished By: [Signature] Date/Time: 12/21/21 16:50		Received By: [Signature] Date/Time: 12/21/21 15:50		Relinquished By: [Signature] Date/Time: 12/21/21 18:00		Received By: [Signature] Date/Time: 12/21/21 19:30	
Relinquished By: [Signature] Date/Time: 12/21/21 23:00		Received By: [Signature] Date/Time: 12/21/21 23:00					