



July 12, 2024

Regan Development Corporation
ATTN: Larry Regan
1055 Saw Mill River Road, #204
Ardsley, New York 10502

Re: **Phase II Environmental Site Assessment**; 1 North Depot Street, City of Binghamton, Broome County, New York
13901
Tax ID #160.25-2-20.2 (Approx. 0.63 acres with 51,000 sq. ft. structure)
PVE File #20240228

Dear Mr. Regan:

Partridge Venture Engineering, PC, dba PVE Engineering (PVE) has completed the Phase II Environmental Site Assessment (ESA) in accordance with our approved scope of work, dated May 21, 2024, for the above referenced property (Figures 1 & 2). Below is a summary of field activities, analytical data, and conclusions/recommendations.

1.0 INTRODUCTION

PVE reviewed a Phase I ESA prepared by Keystone Associates (KA) for the subject property dated October 5, 2015. KA identified no Recognized Environmental Conditions (RECs) in their ESA; PVE does not agree with this conclusion. Historic Sanborn Fire Insurance Maps identified the following items/uses on-site: A buried gasoline tank associated with a trucking terminal, tin works/machine shop, a bluing (steel works) factory and ironworks. The review also identified the following historic uses on adjoining and nearby properties: railroad and turn table, Troy Chemical Company, and a cigar factory.

PVE understands the client is interested in pursuing the New York State Department of Environmental Conservation (NYSEC) Brownfield Cleanup Program (BCP) for the remediation and redevelopment of this property. As such, PVE proposed a Phase II ESA to assess impacts to the subject property, if any. Below is a summary of field activities, analytical data, and recommendations.

2.0 FIELD ACTIVITIES

2.1 Geophysical Survey and Private Utility Mark Out

A geophysical services contractor was retained to screen the proposed soil boring locations for private utilities and/or anomalies that could obstruct drilling/sampling activities. Geophysical field activities were completed on June 4, 2024; sample locations were adjusted accordingly. No anomalies indicative of buried tanks were observed during this screening.

2.2 Soil Borings and Sample Collection

On June 4 and June 5, 2024, PVE completed a total of ten (10) soil borings throughout the subject property (Figure 3). The soil borings were installed via direct push drilling method using a track-mounted Geoprobe™ 54DT drill rig equipped with 4-foot long, 2 ¼-inch diameter stainless steel core barrel (macro-cores) fitted with PVC liners. Soil borings were advanced to a maximum depth of 24.0-feet below ground surface (bgs).

The project scientist kept a detailed log of each core including lithology, grain size, stratigraphic changes, color, moisture content and the occurrence of refusal. Soil samples were screened in the field for the presence of Volatile Organic Compounds (VOCs) using a calibrated photoionization detector (PID) and headspace techniques. PVE personnel collected one (1) soil sample from each of the soil borings for a total of ten (10) soil samples; soil samples collected from soil boring locations SB-1, SB-3 and SB-7 were placed on hold. Soil samples were submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory for analysis of the following:

- Target Compound List (TCL) VOCs via United States Environmental Protection Agency (USEPA) Method 8260;
- Commissioner Policy-51 (CP-51) Semi-Volatile Organic Compounds (SVOCs) via USEPA Method 8270;
- RCRA Metals via USEPA Method 6010/7473; &
- Polychlorinated Biphenyls (PCBs) via USEPA Method 8082 (2 samples).

Soil borings are summarized below:

Boring SB-1 was advanced to 16.3 feet bgs; where refusal was encountered. Soil consisted of brown/dark brown fine, medium sand, some silt, some gravel, some cobble. Groundwater was not encountered at the time of drilling (ATD). No elevated PID readings were observed. One (1) soil sample was collected from 14.0-16.0 feet bgs for laboratory analysis.

Boring SB-2 was advanced to 13.8 feet bgs; where refusal was encountered. Soil consisted of brown/dark brown fine, medium sand, some silt, with gravel, some cobble. Groundwater was not encountered ATD. No elevated PID readings were observed. One (1) soil sample was collected from 0.5-2.0 feet bgs for laboratory analysis.

Boring SB-3 was advanced to 19.8 feet bgs; where refusal was encountered. Soil consisted of brown/light brown fine, medium sand, some silt, some gravel, little cobble. Groundwater was not encountered ATD. No elevated PID readings were observed. One (1) soil sample was collected from 6.0-8.0 feet bgs for laboratory analysis.

Boring SB-4 was advanced via to 18.2 feet bgs; where refusal was encountered. Soil consisted of dark brown and light gray fine, medium and coarse sand, some silt, some gravel, and fill. Fill material consisted of slag. Groundwater was not encountered ATD. No elevated PID readings were observed. One (1) soil sample was collected from 2.0-3.5 feet bgs for laboratory analysis.

Boring SB-5 was advanced to 13.6 feet bgs; where refusal was encountered. Soil consisted of dark brown and light gray fine, medium and coarse sand, some silt, some gravel, and fill. Fill material consisted of ash, slag and little brick fragments. Groundwater was not encountered ATD. No elevated PID readings were observed. One (1) soil sample was collected from 2.0-3.0 feet bgs for laboratory analysis.

Boring SB-6 was advanced to 16.8 feet bgs; where refusal was encountered. Soil consisted of dark brown and light gray fine, medium and coarse sand, some silt, some gravel, and fill. Fill material consisted of glass, tile and coal fragments. Groundwater was not encountered ATD. No elevated PID readings were observed. One (1) soil sample was collected from 0.5-3.0 feet bgs for laboratory analysis.

Boring SB-7 was advanced to 20.0 feet bgs; where refusal was encountered. Soil consisted of brown fine and medium sand, some silt, some gravel, with cobble. Groundwater was not encountered ATD. No elevated PID readings were observed. One (1) soil sample was collected from 7.0-9.0 feet bgs for laboratory analysis.

Boring SB-8 was advanced to 24.0 feet bgs. Soil consisted of dark brown/black fine sand, with silt, and fill. Fill material consisted of little brick fragments and crushed coal. Groundwater was not encountered ATD. No elevated PID readings were observed. One (1) soil sample was collected from 2.5-3.5 feet bgs for laboratory analysis.

Boring SB-9 was advanced to 17.2 feet bgs; where refusal was encountered. Soil consisted of dark brown/black fine sand, with silt, and fill. Fill material consisted of little brick fragments and crushed coal. Groundwater was not encountered ATD. No elevated PID readings were observed. One (1) soil sample was collected from 2.0-2.5 feet bgs for laboratory analysis.

Boring SB-10 was advanced to 13.8 feet bgs; where refusal was encountered. Soil consisted of brown/dark brown fine and medium sand, some silt, with gravel and cobble, and fill. Fill material consisted of little brick fragments. Groundwater was not encountered ATD. No elevated PID readings were observed. One (1) soil sample was collected from 0.5-3.0 feet bgs for laboratory analysis.

Shallow refusal was encountered in three (3) soil borings from depths ranging from 13.6-13.8 feet. Groundwater was not encountered in any of the ten (10) soil borings. Fill was observed in five (5) soil borings at depths ranging from 0.5 to 3.5 feet bgs.

Soil borings were backfilled with native cuttings and clean sand (as necessary). Borings through asphalt were repaired with cold patch.

2.3 Vapor Sampling

On June 4, 2024, a total of four (4) soil vapor samples were collected from exterior locations surrounding the on-site structure. On June 5, 2024, a total of two (2) sub-slab soil vapor samples were collected in the basement of the on-site structure. Exterior vapor probes were installed via a track-mounted Geoprobe unit to a depth of 5-feet below grade surface. Probed were constructed of a stainless-steel mesh vapor probe installed at the bottom of the borehole and connected to polyethylene tubing extending to the ground surface; annular space surrounding the mesh interval was backfilled with clean filter sand while the remaining annular space was backfilled with hydrated bentonite to ground surface to create a seal. PVE installed interior temporary vapor probes using a hammer drill with 5/8-inch drill bit. Interior probes were sealed with non-VOC emitting clay. All vapor probes were purged of one to three volumes at a rate not to exceed 0.2L/min. A helium tracer test was conducted at each location to verify integrity, and demonstrate ambient air was not being drawn into the samples being collected.

Each sample was collected in a certified clean Summa canister with a regulator set to collect a sample over a 2-hour sampling period. Samples were submitted to a NYSDOH ELAP-certified laboratory for analysis of VOCs via USEPA Method TO-15 following standard chain-of-custody procedures.

3.0 RESULTS

Soil and soil vapor sample results are summarized in Tables 1-4, and 5, respectively. Analytical reports are attached.

3.1 Soil Samples

Analytical results from soil samples are summarized in Table 1-4 and compared to Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs) as defined in 6NYCRR Part 375. Analytical reports are attached. See Figure 3 for soil sample locations.

3.1.1 VOCs

One (1) VOC was detected in one (1) of the seven (7) soil samples collected and analyzed. No VOCs were detected at concentrations exceeding UUSCOs or RRSCOS.

3.1.2 SVOCs

SVOCs were detected in all seven (7) soil samples collected and analyzed. SVOCs were detected in two (2) of the seven (7) soil samples at concentrations exceeding both UUSCOs and RRSCOs. Exceedances are defined below:

- SB-2 (0.5-2-feet)
 - **Benzo(A)Anthracene (1.4 mg/kg)**
 - **Benzo(A)Pyrene (1.1 mg/kg)**
 - **Benzo(B)Fluoranthene (1.1 mg/kg)**
 - Benzo(K)Fluoranthene (1.1 mg/kg)
 - Chrysene (1.5 mg/kg)
 - **Indeno(1,2,3-C,D)Pyrene (0.7 mg/kg)**
- SB-4 (2-3.5-feet)
 - **Dibenzo(A,H)Anthracene (0.42 mg/kg)**

Bold font indicates RRSCO exceedance.

3.1.3 Metals

Metals were detected in all seven (7) soil samples collected and analyzed. Metals were detected in five (5) of the seven (7) soil samples at concentrations exceeding both UUSCOs and RRSCOs. Exceedances are defined below:

- SB-4 (2-3.5-feet)
 - **Lead (986 mg/kg)**
 - **Mercury (0.874 mg/kg)**
- SB-5 (2-3-feet)
 - Lead (344 mg/kg)
 - **Mercury (0.831 mg/kg)**
- SB-6 (0.5-3-feet)
 - Lead (202 mg/kg)
 - **Mercury (1.27 mg/kg)**
- SB-8 (2.5-3.5-feet)
 - Lead (63.5 mg/kg)
 - Mercury (0.259 mg/kg)
- SB-9 (2-2.5-feet)
 - Mercury (0.223 mg/kg)

Bold font indicates RRSCO exceedance.

3.1.4 PCBs

PCBs were not detected in any of the two (2) soil samples collected and analyzed.

3.2 Vapor Samples

Analytical results from soil vapor samples are summarized in Table 5 and compared to NYSDOH Decision Matrices as defined in *Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006 and subsequent amendments)*. Analytical reports are attached. See Figure 3 for soil vapor sampling locations.

According to the NYSDOH *Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006)* and subsequent amendments, twenty-one (21) compounds are regulated by NYSDOH: 1,1-Dichloroethene (1,1-DCE); Cis-1,2-Dichloroethene (Cis-1,2-DCE); Vinyl Chloride (VC); 1,1,1 – Trichloroethane (1,1,1-TCA); Carbon Tetrachloride, Methylene Chloride; Tetrachloroethylene (PCE); Trichloroethylene (TCE); Benzene; Ethylbenzene; Naphthalene; Cyclohexane; Isooctane (2,2,4-Trimethylpentane); 1,2,4-Trimethylbenzene; 1,3,5-Trimethylbenzene; o-Xylene; m-Xylene; p-Xylene; Heptane; Hexane; and Toluene. The following NYSDOH-regulated compounds were detected in the vapor samples collected:

- SV-1
 - 1,2,4-Trimethylbenzene (24 µg/m³)
 - 1,3,5-Trimethylbenzene (5.6 µg/m³)
 - 2,2,4-Trimethylpentane (2.26 µg/m³)
 - Benzene (3.9 µg/m³)
 - Cyclohexane (4.4 µg/m³)
 - Ethylbenzene (41 µg/m³)
 - m,p-Xylene (45 µg/m³)
 - N-Heptane (6.4 µg/m³)
 - N-Hexane (10 µg/m³)
 - O-Xylene (1,2-Dimethylbenzene) (18 µg/m³)
 - PCE (27 µg/m³)
 - Toluene (32 µg/m³)
- SV-2
 - 1,2,4-Trimethylbenzene (35 µg/m³)
 - 1,3,5-Trimethylbenzene (7.8 µg/m³)
 - 2,2,4-Trimethylpentane (3.71 µg/m³)
 - Benzene (8.1 µg/m³)
 - Carbon Tetrachloride (7.4 µg/m³)
 - Cyclohexane (15 µg/m³)
 - Ethylbenzene (54 µg/m³)
 - m,p-Xylene (62 µg/m³)
 - N-Heptane (28 µg/m³)
 - N-Hexane (46 µg/m³)
 - O-Xylene (25 µg/m³)
 - PCE (17 µg/m³)
 - Toluene (47 µg/m³)

- TCE (0.51 $\mu\text{g}/\text{m}^3$)
- Vinyl Chloride (0.49 $\mu\text{g}/\text{m}^3$)
- SV-3
 - 1,2,4-Trimethylbenzene (36 $\mu\text{g}/\text{m}^3$)
 - 1,3,5-Trimethylbenzene (8.7 $\mu\text{g}/\text{m}^3$)
 - 2,2,4-Trimethylpentane (4.52 $\mu\text{g}/\text{m}^3$)
 - Benzene (17 $\mu\text{g}/\text{m}^3$)
 - Cis-1,2-Dichloroethylene (4.5 $\mu\text{g}/\text{m}^3$)
 - Cyclohexane (8.9 $\mu\text{g}/\text{m}^3$)
 - Ethylbenzene (66 $\mu\text{g}/\text{m}^3$)
 - m,p-Xylene (73 $\mu\text{g}/\text{m}^3$)
 - N-Heptane (28 $\mu\text{g}/\text{m}^3$)
 - N-Hexane (39 $\mu\text{g}/\text{m}^3$)
 - O-Xylene (27 $\mu\text{g}/\text{m}^3$)
 - PCE (4,900 $\mu\text{g}/\text{m}^3$)
 - Toluene (58 $\mu\text{g}/\text{m}^3$)
 - TCE (100 $\mu\text{g}/\text{m}^3$)
- SV-4
 - 1,2,4-Trimethylbenzene (36 $\mu\text{g}/\text{m}^3$)
 - 1,3,5-Trimethylbenzene (8.2 $\mu\text{g}/\text{m}^3$)
 - 2,2,4-Trimethylpentane (4.95 $\mu\text{g}/\text{m}^3$)
 - Benzene (390 $\mu\text{g}/\text{m}^3$)
 - Cis-1,2-Dichloroethylene (2.4 $\mu\text{g}/\text{m}^3$)
 - Cyclohexane (9.9 $\mu\text{g}/\text{m}^3$)
 - Ethylbenzene (66 $\mu\text{g}/\text{m}^3$)
 - m,p-Xylene (72 $\mu\text{g}/\text{m}^3$)
 - N-Heptane (22 $\mu\text{g}/\text{m}^3$)
 - N-Hexane (35 $\mu\text{g}/\text{m}^3$)
 - O-Xylene (28 $\mu\text{g}/\text{m}^3$)
 - PCE (1,800 $\mu\text{g}/\text{m}^3$)
 - Toluene (110 $\mu\text{g}/\text{m}^3$)
- SSV-1
 - TCA (7.8 $\mu\text{g}/\text{m}^3$)
 - 1,2,4-Trimethylbenzene (7.7 $\mu\text{g}/\text{m}^3$)
 - cis-1,2-Dichloroethylene (83 $\mu\text{g}/\text{m}^3$)
 - Ethylbenzene (9.3 $\mu\text{g}/\text{m}^3$)
 - N-Heptane (7 $\mu\text{g}/\text{m}^3$)
 - N-Hexane (8.5 $\mu\text{g}/\text{m}^3$)
 - PCE (7,400 $\mu\text{g}/\text{m}^3$)
 - Toluene (8 $\mu\text{g}/\text{m}^3$)
 - TCE (220 $\mu\text{g}/\text{m}^3$)
- SSV-2
 - 1,2,4-Trimethylbenzene (9 $\mu\text{g}/\text{m}^3$)

- 2,2,4-Trimethylpentane (1.38 µg/m³)
- Benzene (3 µg/m³)
- Cis-1,2-Dichloroethylene (1.6 µg/m³)
- Cyclohexane (2.6 µg/m³)
- Ethylbenzene (11 µg/m³)
- m,p-Xylene (14 µg/m³)
- N-Heptane (5.8 µg/m³)
- N-Hexane (6.7 µg/m³)
- O-Xylene (6.2 µg/m³)
- PCE (890 µg/m³)
- Toluene (10 µg/m³)
- TCE (33 µg/m³)

Chlorinated VOCs and petroleum related VOCs were detected in soil vapor samples at concentrations potentially warranting mitigation. Based on the concentration of the NYSDOH regulated compound detected in the soil vapor, the following actions may be required:

- SV-1
 - **No further action**
- SV-2
 - **Monitor**
- SV-3
 - **Mitigate**
- SV-4
 - **Mitigate**
- SSV-1
 - **Mitigate**
- SSV-2
 - **Monitor**

A co-located ambient indoor air sample would be required to confirm the NYSDOH recommended action at each location. However, given the deteriorated condition of the structure and potential for influence/dilution from outdoor ambient air, no indoor ambient air samples were collected.

4.0 DISCUSSION and CONCLUSIONS

4.1 Soil

1. Ten (10) soil borings were installed throughout the subject property. One (1) soil sample was collected from each of the ten (10) soil borings for laboratory analysis; soil boring locations SB-1, SB-3 and SB-7 were placed on hold pending client authorization.
2. VOCs were detected in one (1) of the seven (7) soil samples at concentrations below UUSCOs.

3. SVOCs were detected in two (2) of the seven (7) soil samples at concentrations exceeding both UUSCOs and RRSCOs.
4. Metals were detected in five (5) of the seven (7) soil samples at concentrations exceeding both UUSCOs and RRSCOs.
5. PCBs were not detected in any of the two (2) soil samples collected and analyzed.

4.2 Vapor

1. A total of four (4) soil vapor samples were collected throughout the exterior of the subject property; a total of two (2) sub-slab soil vapor samples were collected in the basement of the structure on the subject property.
2. Chlorinated VOCs and petroleum related VOCs were detected in soil vapor and sub-slab vapor samples at concentrations warranting additional actions according to NYSDOH Guidance.

5.0 RECOMMENDATIONS

1. SVOCs and metals were detected in soil samples at concentrations indicative of impacts to soils from past site operations (use as a trucking terminal, tin works/machine shop/a blueing factory and ironworks). Historic fill is present throughout the subject property.
 - a. Four (4) of the seven (7) samples analyzed at the laboratory contained contaminants at concentrations exceeding the intended use criteria (RRSCOs). These concentrations are consistent with historical fill. The presence of this fill and contaminants exceeding the intended use criteria elsewhere on site is likely.
 - b. If soil is excavated from the site, collection and analysis of additional soil samples would be necessary to characterize soil for purposes of waste characterization, proper handling and selecting an appropriate disposal facility.
 - c. Unconsolidated materials (below surface cover) throughout the subject property contained urban fill (wood and brick fragments). Should the client elect not to proceed with BCP, and if requested, PVE can prepare a Soil and Materials Management Plan (SMMP) adhering to 6 NYCRR Part 360 which will outline processes for the excavation and handling of this urban fill during any future site earthwork activities.
2. Based on the concentrations of NYSDOH regulated compounds detected in soil vapor, a vapor encroachment condition (VEC) may exist at the site. The presence of sub-slab vapors indicate that localized VOC sources are present, perhaps in soil and/or groundwater beneath the structure where soil borings were not possible due to limited access. Redevelopment of the site should include the design and installation of a sub-slab depressurization system (SSDS) within the enclosed portions of structures to prevent exposure to building occupants.
3. This investigation is limited in scope, impacts to soil, groundwater and soil vapor from past site operations in other locations of the property cannot be ruled out.

If you have any questions, please do not hesitate to contact us.

Sincerely,

PVE Engineering



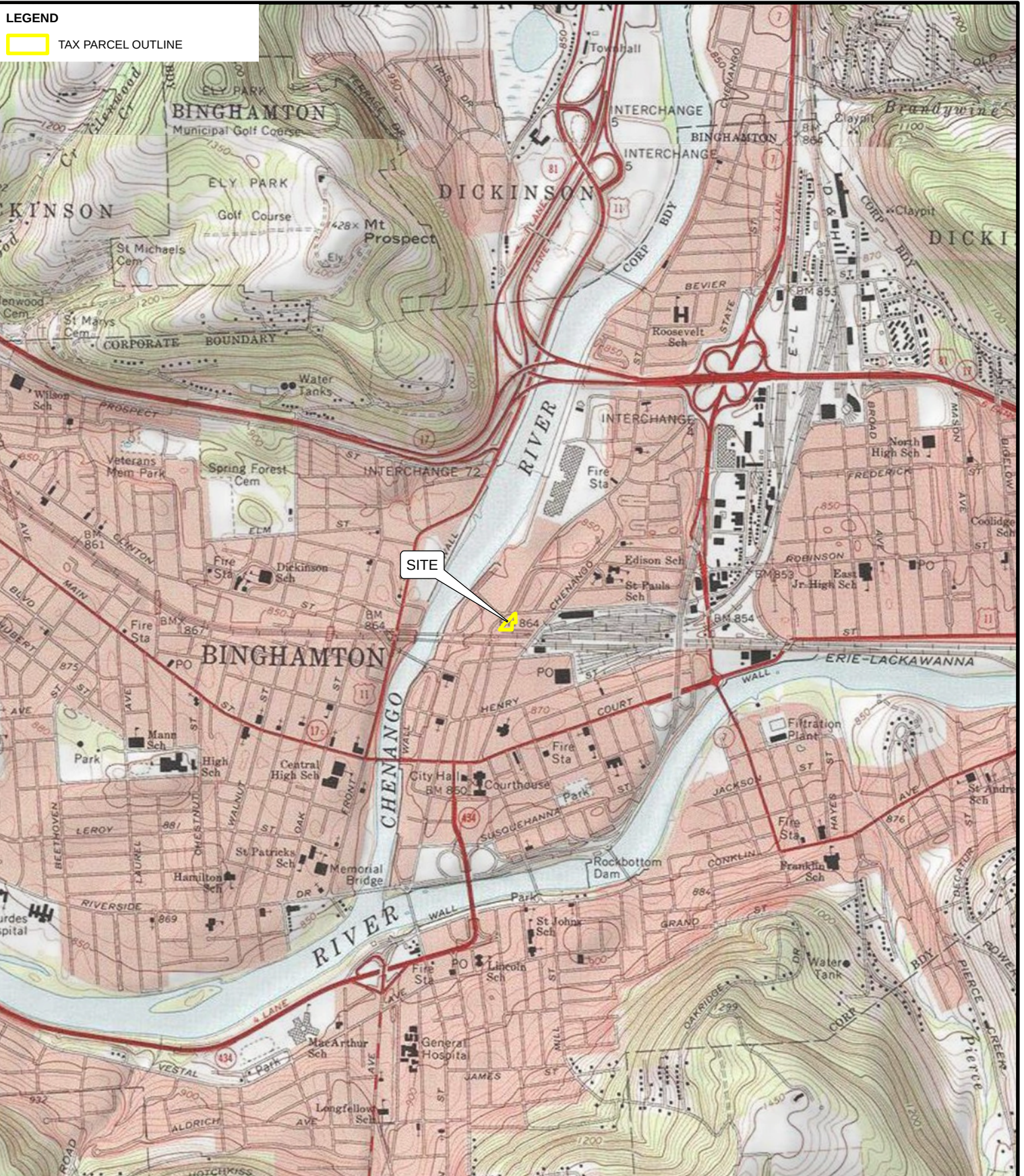
Conor B. Tarbell, QEP
Regional Director of Environmental Services

Attachments:

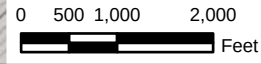
Figure 1 – Site Location Map
Figure 2 – Selected Site Features
Figure 3 – Sample Location Map
Soil and Soil Vapor Tables (1 – 5)
Soil Boring Logs
Vapor Logs
Analytical Lab Report

FIGURES

LEGEND
TAX PARCEL OUTLINE



DATA SOURCES:
Tax Parcel Outline: Broome County GIS and Mapping Services, Parcel Mapper, Accessed 05/21/2024
Basemap: Copyright:© 2013 National Geographic Society, i-cubed



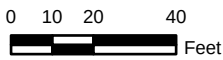
 48 Springside Avenue Poughkeepsie, NY 12603 Office: 845.454.2544 Fax: 845.454.2655	SITE LOCATION MAP 1 NORTH DEPOT STREET, CITY OF BINGHAMTON BROOME COUNTY, NEW YORK	PROJECT NO. 20240228	FIGURE 1
			DATE: 05/21/2024
			SCALE: AS INDICATED
			PROJECTION: STATE PLANE NAD83 NY EAST ALL LOCATIONS APPROXIMATE

LEGEND

TAX PARCEL OUTLINE



DATA SOURCES:
Tax Parcel Outline: Broome County GIS and Mapping Services, Parcel Mapper, Accessed 05/21/2024
Basemap: New York State, Maxar, Microsoft



PVE 48 Springside Avenue Poughkeepsie, NY 12603 Office: 845.454.2544 Fax: 845.454.2655	SELECTED SITE FEATURES 1 NORTH DEPOT STREET, CITY OF BINGHAMTON BROOME COUNTY, NEW YORK	PROJECT NO.	FIGURE 2
		20240228	DATE: 05/21/2024
		N	SCALE: AS INDICATED
			PROJECTION: STATE PLANE NAD83 NY EAST
			ALL LOCATIONS APPROXIMATE

LEGEND

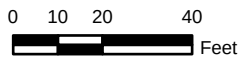
TAX PARCEL OUTLINE

SOIL BORING

SOIL VAPOR



DATA SOURCES:
Tax Parcel Outline: Broome County GIS and Mapping Services, Parcel Mapper, Accessed 05/21/2024
Aerial Imagery: Google Earth, 05/2022



PVE 48 Springside Avenue Poughkeepsie, NY 12603 Office: 845.454.2544 Fax: 845.454.2655	SAMPLE LOCATION MAP 1 NORTH DEPOT STREET, CITY OF BINGHAMTON BROOME COUNTY, NEW YORK	PROJECT NO.	FIGURE 3
		20240228	DATE: 06/07/2024
		N	SCALE: AS INDICATED
			PROJECTION: STATE PLANE NAD83 NY EAST
			ALL LOCATIONS APPROXIMATE

TABLES

Table 1 - VOCs in Soil Samples
Compared to UUSCOs and RRSCOs per 6 NYCRR Part 375
1 North Depot Street, City of Binghamton, Broome County, NY
PVE File #20240228

Method	Analyte	CAS RN	LUSCOS	RRSCOS	Sample ID	Date Sampled		6/4/2024		6/4/2024		6/4/2024		6/4/2024		6/5/2024		6/5/2024		6/5/2024	
						Location	Unit	SB-2 0.5-2° 20240604	SB-4 2.3-5° 20240604	SB-4 2.3-5° 20240604	SB-5 2-3° 20240604	SB-6 0.5-3° 20240604	SB-6 2.3-5.3° 20240604	SB-8 2-2.5° 20240605	SB-8 2-2.5° 20240605	SB-9 2-2.5° 20240605	SB-10 0.5-3° 20240605	SB-10 0.5-3° 20240605			
SW8260	1,1,1,2-Tetrachloroethane	630-20-6	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,1-Trichloroethane (TCA)	71-55-6	NE	NE	100	mg/kg		ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,1,2,2-Tetrachloroethane	79-34-5	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,1,2-Trichloroethane	79-00-5	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,1-Dichloroethane	75-34-3	0.27	26	mg/kg			ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,1-Dichloroethene	75-35-4	0.33	100	mg/kg			ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,2,3-Trichlorobenzene	87-61-6	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,2,3-Trichloropropane	96-18-4	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,2,4-Trichlorobenzene	120-82-1	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,4-Dichlorobenzene	95-46-3	3.6	52	mg/kg			ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,2-Dibromo-3-Chloropropane	96-12-8	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,2-Dibromomethane (Ethylene Dibromide)	106-93-4	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,2-Dichlorobenzene	95-50-1	1.1	100	mg/kg			ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,2-Dichloroethane	107-06-2	0.02	3.1	mg/kg			ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,2-Dichloroethane-D4	17060-07-0	NE	NE				56.7	mg/kg	56.8	mg/kg	56.8	mg/kg	58.8	mg/kg	57.3	mg/kg	57.7	mg/kg	58.8	mg/kg
SW8260	1,2-Dichloropropane	78-87-5	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	8.4	52	mg/kg			ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,3-Dichlorobenzene	541-72-4	2.4	49	mg/kg			ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,4-Dichlorobenzene	106-46-7	1.8	13	mg/kg			ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	1,4-Dioxane (P-Dioxane)	123-91-1	0.1	13	mg/kg			ND < 0.11	mg/kg	ND < 0.12	mg/kg	ND < 0.12	mg/kg	ND < 0.13	mg/kg	ND < 0.10	mg/kg	ND < 0.10	mg/kg	ND < 0.10	mg/kg
SW8260	2-Hexanone	591-78-6	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	Acetone	67-64-1	0.05	100	mg/kg			ND < 0.011	mg/kg	ND < 0.012	mg/kg	ND < 0.012	mg/kg	ND < 0.013	mg/kg	0.0078	mg/kg	ND < 0.010	mg/kg	ND < 0.010	mg/kg
SW8260	Acrolein	107-02-8	NE	NE				ND < 0.011	mg/kg	ND < 0.012	mg/kg	ND < 0.012	mg/kg	ND < 0.013	mg/kg	ND < 0.010	mg/kg	ND < 0.010	mg/kg	ND < 0.010	mg/kg
SW8260	Acrylonitrile	107-13-1	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	Benzene	71-43-2	0.06	4.8	mg/kg			ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	Bromodichloromethane	74-97-5	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	Bromodichloromethane	75-27-4	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	Bromofrom	75-25-2	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	Bromomethane	74-83-9	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	Carbon Disulfide	75-15-0	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	Carbon Tetrachloride	56-23-5	0.76	2.4	mg/kg			ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	Chlorobenzene	108-90-7	1.1	100	mg/kg			ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	Chloroethane	75-00-3	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	Chloroform	67-66-3	0.36	49	mg/kg			ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	Chloromethane	74-87-3	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	Cis-1,2-Dichloroethylene	556-99-2	0.25	100	mg/kg			ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	Cis-1,3-Dichloropropene	10061-01-5	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	Cyclohexane	110-82-7	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	Dibromochloromethane	124-48-1	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	
SW8260	Dibromomethane	74-95-3	NE	NE				ND < 0.0056 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0061 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0064 mg/kg	ND < 0.0052 mg/kg	ND < 0.0052 mg/kg	ND < 0.0050 mg/kg			

Notes:
Standards are for respective Soil Cleanup Objectives per NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs);

Yellow Shading designates those compounds detected at concentrations exceeding UUSCOs
Orange shading designates those compounds detected at concentration exceeding BRSCOs

J = Detected below the Reporting Limit but greater than or equal to the Method Detection Limit

NE = No standard established; &
ND and U = Not detected at method detection limit for sample.

Table 2 - SVOCs in Soil Samples
 Compared to UUSCOs and RRSCOs per 6 NYCRR Part 375
 1 North Depot Street, City of Binghamton, Broome County, NY
 PVE File #20240228

			Date Sampled			6/4/2024			6/4/2024			6/4/2024			6/4/2024			6/5/2024			6/5/2024			6/5/2024		
			Location			SB-2			SB-4			SB-5			SB-6			SB-8			SB-9			SB-10		
			Sample ID			SB-2 0.5-2' 20240604			SB-4 2-3.5' 20240604			SB-5 2-3' 20240604			SB-6 0.5-3' 20240604			SB-8 2.5-3.5' 20240605			SB-9 2-2.5' 20240605			SB-10 0.5-3' 20240605		
Method	Analyte	CAS RN	UUSCOs	RRSCOs	Unit	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q
SW8270	2-Fluorobiphenyl	321-60-8	NE	NE		0.47	mg/kg		0.69	mg/kg		0.75	mg/kg		0.60	mg/kg		0.74	mg/kg		0.77	mg/kg		0.43	mg/kg	
SW8270	Acenaphthene	83-32-9	20	100	mg/kg	0.050	mg/kg	J	0.052	mg/kg	J	0.060	mg/kg	J	ND < 0.092	mg/kg	U	ND < 0.095	mg/kg	U	ND < 0.093	mg/kg	U	ND < 0.088	mg/kg	U
SW8270	Acenaphthylene	208-96-8	100	100	mg/kg	1.1	mg/kg		0.062	mg/kg	J	0.064	mg/kg	J	ND < 0.092	mg/kg	U	ND < 0.095	mg/kg	U	ND < 0.093	mg/kg	U	ND < 0.088	mg/kg	U
SW8270	Anthracene	120-12-7	100	100	mg/kg	0.65	mg/kg		0.15	mg/kg		0.14	mg/kg		0.052	mg/kg	J	ND < 0.095	mg/kg	U	ND < 0.093	mg/kg	U	ND < 0.088	mg/kg	U
SW8270	Benzo(A)Anthracene	56-55-3	1	1	mg/kg	1.4	mg/kg		0.55	mg/kg		0.52	mg/kg		0.21	mg/kg		ND < 0.095	mg/kg	U	0.13	mg/kg		0.096	mg/kg	
SW8270	Benzo(A)Pyrene	50-32-8	1	1	mg/kg	1.1	mg/kg		0.73	mg/kg		0.48	mg/kg		0.18	mg/kg		ND < 0.095	mg/kg	U	0.11	mg/kg		0.079	mg/kg	J
SW8270	Benzo(B)Fluoranthene	205-99-2	1	1	mg/kg	1.1	mg/kg		0.50	mg/kg		0.42	mg/kg		0.16	mg/kg		ND < 0.095	mg/kg	U	0.10	mg/kg		0.069	mg/kg	J
SW8270	Benzo(G,H,I)Perylene	191-24-2	100	100	mg/kg	0.77	mg/kg		1.2	mg/kg		0.29	mg/kg		0.11	mg/kg		ND < 0.095	mg/kg	U	0.069	mg/kg	J	0.060	mg/kg	J
SW8270	Benzo(K)Fluoranthene	207-08-9	0.8	3.9	mg/kg	1.1	mg/kg		0.36	mg/kg		0.37	mg/kg		0.15	mg/kg		ND < 0.095	mg/kg	U	0.087	mg/kg	J	0.063	mg/kg	J
SW8270	Chrysene	218-01-9	1	3.9	mg/kg	1.5	mg/kg		0.59	mg/kg		0.50	mg/kg		0.19	mg/kg		ND < 0.095	mg/kg	U	0.12	mg/kg		0.099	mg/kg	J
SW8270	Dibenz(A,H)Anthracene	53-70-3	0.33	0.33	mg/kg	0.29	mg/kg		0.42	mg/kg		0.096	mg/kg	J	ND < 0.092	mg/kg	U	ND < 0.095	mg/kg	U	ND < 0.093	mg/kg	U	ND < 0.088	mg/kg	U
SW8270	Fluoranthene	206-44-0	100	100	mg/kg	0.66	mg/kg		1.0	mg/kg		1.1	mg/kg		0.42	mg/kg		ND < 0.095	mg/kg	U	0.26	mg/kg		0.21	mg/kg	
SW8270	Fluorene	86-73-7	30	100	mg/kg	0.095	mg/kg		0.051	mg/kg	J	ND < 0.099	mg/kg	U	ND < 0.092	mg/kg	U	ND < 0.095	mg/kg	U	ND < 0.093	mg/kg	U	ND < 0.088	mg/kg	U
SW8270	Indeno(1,2,3-C,D)Pyrene	193-39-5	0.5	0.5	mg/kg	0.70	mg/kg		0.49	mg/kg		0.25	mg/kg		0.098	mg/kg		ND < 0.095	mg/kg	U	0.059	mg/kg	J	0.045	mg/kg	J
SW8270	Naphthalene	91-20-3	12	100	mg/kg	ND < 0.087	mg/kg	U	ND < 0.099	mg/kg	U	ND < 0.099	mg/kg	U	ND < 0.092	mg/kg	U	ND < 0.095	mg/kg	U	ND < 0.093	mg/kg	U	ND < 0.088	mg/kg	U
SW8270	Nitrobenzene-D5	4165-60-0	NE	NE		0.46	mg/kg		0.67	mg/kg		0.75	mg/kg		0.58	mg/kg			mg/kg		0.76	mg/kg		0.42	mg/kg	
SW8270	Phenanthrene	85-01-8	100	100	mg/kg	2.3	mg/kg		0.56	mg/kg		0.61	mg/kg		0.22	mg/kg		ND < 0.095	mg/kg	U	0.15	mg/kg		0.13	mg/kg	
SW8270	Pyrene	129-00-0	100	100	mg/kg	2.7	mg/kg		0.89	mg/kg		0.97	mg/kg		0.36	mg/kg		ND < 0.095	mg/kg	U	0.22	mg/kg		0.20	mg/kg	
SW8270	Terphenyl-D14	1718-51-0	NE	NE		0.54	mg/kg		0.78	mg/kg		0.87	mg/kg		0.70	mg/kg		0.80	mg/kg		0.85	mg/kg		0.51	mg/kg	

Notes:
 Standards are for respective Soil Cleanup Objectives per NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs);
 Yellow Shading designates those compounds detected at concentrations exceeding UUSCOs;
 Orange shading designates those compounds detected at concentration exceeding RRSCOs;
 J = Detected below the Reporting Limit but greater than or equal to the Method Detection Limit;
 NE = No standard established; &
 ND and U = Not detected at method detection limit for sample.

Table 3 - Metals in Soil Samples
Compared to UUSCOs and RRSCOs per 6 NYCRR Part 375
1 North Depot Street, City of Binghamton, Broome County, NY
PVE File #20240228

Date Sampled Location Sample ID				6/4/2024 SB-2 SB-2 0.5-2' 20240604			6/4/2024 SB-4 SB-4 2-3.5' 20240604			6/4/2024 SB-5 SB-5 2-3' 20240604			6/4/2024 SB-6 SB-6 0.5-3' 20240604			6/5/2024 SB-8 SB-8 2.5-3.5' 20240605			6/5/2024 SB-9 SB-9 2-2.5' 20240605			6/5/2024 SB-10 SB-10 0.5-3' 20240605		
Method	Analyte	CAS RN	UUSCOs	RRSCOs	Unit	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	
SW6010	Arsenic	7440-38-2	13	16	mg/kg	9.02	mg/kg		12.3	mg/kg		9.25	mg/kg		8.50	mg/kg		5.00	mg/kg		6.41	mg/kg		
SW6010	Barium	7440-39-3	350	400	mg/kg	57.7	mg/kg		102	mg/kg		112	mg/kg		133	mg/kg		41.1	mg/kg		52.0	mg/kg		
SW6010	Cadmium	7440-43-9	2.5	4.3	mg/kg	ND< 0.266	mg/kg	U	ND< 0.302	mg/kg	U	ND< 0.303	mg/kg	U	0.447	mg/kg		ND< 0.287	mg/kg	U	ND< 0.281	mg/kg	U	
SW6010	Chromium, Total	7440-47-3	31	290	mg/kg	12.5	mg/kg		11.5	mg/kg		8.34	mg/kg		10.1	mg/kg		7.77	mg/kg		10.1	mg/kg		
SW6010	Lead	7439-92-1	63	400	mg/kg	28.9	mg/kg		986	mg/kg		344	mg/kg		202	mg/kg		63.5	mg/kg		45.9	mg/kg		
SW6010	Selenium	7782-49-2	3.9	180	mg/kg	ND< 2.22	mg/kg	U	ND< 2.51	mg/kg	U	ND< 2.51	mg/kg	U	ND< 2.32	mg/kg	U	ND< 2.39	mg/kg	U	ND< 2.34	mg/kg	U	
SW6010	Silver	7440-22-4	2	180	mg/kg	ND< 0.447	mg/kg	U	ND< 0.507	mg/kg	U	ND< 0.508	mg/kg	U	ND< 0.468	mg/kg	U	ND< 0.482	mg/kg	U	ND< 0.472	mg/kg	U	
SW7473	Mercury	7439-97-6	0.18	0.81	mg/kg	0.0448	mg/kg		0.874	mg/kg		0.831	mg/kg		1.27	mg/kg		0.259	mg/kg		0.223	mg/kg		

Notes:
Standards are for respective Soil Cleanup Objectives per NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs);
Yellow Shading designates those compounds detected at concentrations exceeding UUSCOs;
Orange shading designates those compounds detected at concentration exceeding RRSCOs;
J = Detected below the Reporting Limit but greater than or equal to the Method Detection Limit;
NE = No standard established; &
ND and U = Not detected at method detection limit for sample.

Table 4 - PCBs in Soil Samples
 Compared to UUSCOs and RRSCOs per 6 NYCRR Part 375
 1 North Depot Street, City of Binghamton, Broome County, NY
 PVE File #20240228

					Date Sampled Location Sample ID	6/4/2024 SB-6 SB-6 0.5-3' 20240604			6/5/2024 SB-8 SB-8 2.5-3.5' 20240605		
Method	Analyte	CAS RN	UUSCOs	RRSCOs	Unit	Result	Unit	Q	Result	Unit	Q
SW8082	2,4,5,6-Tetrachloro-Meta-Xylene	877-09-8	NE	NE		0.0359	mg/kg		0.0507	mg/kg	
SW8082	Decachlorobiphenyl (PCB 209)	2051-24-3	NE	NE		0.0248	mg/kg		0.0370	mg/kg	
SW8082	PCB-1016 (Aroclor 1016)	12674-11-2	NE	NE		ND< 0.0185	mg/kg	U	ND< 0.019	mg/kg	U
SW8082	PCB-1221 (Aroclor 1221)	11104-28-2	NE	NE		ND< 0.0185	mg/kg	U	ND< 0.019	mg/kg	U
SW8082	PCB-1232 (Aroclor 1232)	11141-16-5	NE	NE		ND< 0.0185	mg/kg	U	ND< 0.019	mg/kg	U
SW8082	PCB-1242 (Aroclor 1242)	53469-21-9	NE	NE		ND< 0.0185	mg/kg	U	ND< 0.019	mg/kg	U
SW8082	PCB-1248 (Aroclor 1248)	12672-29-6	NE	NE		ND< 0.0185	mg/kg	U	ND< 0.019	mg/kg	U
SW8082	PCB-1254 (Aroclor 1254)	11097-69-1	NE	NE		ND< 0.0185	mg/kg	U	ND< 0.019	mg/kg	U
SW8082	PCB-1260 (Aroclor 1260)	11096-82-5	NE	NE		ND< 0.0185	mg/kg	U	ND< 0.019	mg/kg	U
SW8082	Polychlorinated Biphenyl (PCBs)	1336-36-3	0.1	1	mg/kg	ND< 0.0185	mg/kg	U	ND< 0.019	mg/kg	U

Notes:

Standards are for respective Soil Cleanup Objectives per NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs);

Yellow Shading designates those compounds detected at concentrations exceeding UUSCOs;

Orange shading designates those compounds detected at concentration exceeding RRSCOs;

J = Detected below the Reporting Limit but greater than or equal to the Method Detection Limit;

NE = No standard established; &

ND and U = Not detected at method detection limit for sample.

Table 5 - VOCs in Soil Vapor Samples
 Compared to NYSDOH Decision Matrices
 1 North Depot Street, City of Binghamton, Broome County, NY
 PVE File #20240228

							Date Sampled		6/4/2024		6/4/2024		6/4/2024		6/4/2024		6/5/2024		6/5/2024			
							Location		SV-1		SV-2		SV-3		SV-4		SSV-1		SSV-2			
							Sample ID		SV-1 20240604		SV-2 20240604		SV-3 20240604		SV-4 20240604		SSV-1 20240605		SSV-2 20240605			
Method	Analyte	CAS RN	NFA	Identify Source(s), Resample or Mitigate / or Monitor	Mitigate	Unit	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	
TO15	1,1,1,2-Tetrachloroethane	630-20-6	NE	NE	NE		ND< 4.1	ug/m3	U	ND< 2.2	ug/m3	U	ND< 11	ug/m3	U	ND< 10	ug/m3	U	ND< 9.8	ug/m3	U	
TO15	1,1,1-Trichloroethane (TCA)	71-55-6	<100	100 - 1,000	>1,000	ug/m3	ND< 3.3	ug/m3	U	ND< 1.7	ug/m3	U	ND< 8.8	ug/m3	U	ND< 8.3	ug/m3	U	7.8	ug/m3	U	
TO15	1,1,2,2-Tetrachloroethane	79-34-5	NE	NE	NE		ND< 4.1	ug/m3	U	ND< 2.2	ug/m3	U	ND< 11	ug/m3	U	ND< 10	ug/m3	U	ND< 9.8	ug/m3	U	
TO15	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NE	NE	NE		ND< 4.6	ug/m3	U	ND< 2.4	ug/m3	U	ND< 12	ug/m3	U	ND< 12	ug/m3	U	ND< 11	ug/m3	U	
TO15	1,1,2-Trichloroethane	79-00-5	NE	NE	NE		ND< 3.3	ug/m3	U	ND< 1.7	ug/m3	U	ND< 8.8	ug/m3	U	ND< 8.3	ug/m3	U	ND< 7.8	ug/m3	U	
TO15	1,1-Dichloroethane	75-34-3	NE	NE	NE		ND< 2.4	ug/m3	U	ND< 1.3	ug/m3	U	ND< 6.5	ug/m3	U	ND< 6.1	ug/m3	U	ND< 5.8	ug/m3	U	
TO15	1,1-Dichloroethene	75-35-4	<6	6 - 60	>60	ug/m3	ND< 0.60	ug/m3	U	ND< 0.31	ug/m3	U	ND< 1.6	ug/m3	U	ND< 1.5	ug/m3	U	ND< 1.4	ug/m3	U	
TO15	1,2,4-Trichlorobenzene	120-82-1	NE	NE	NE		ND< 4.5	ug/m3	U	ND< 2.4	ug/m3	U	ND< 12	ug/m3	U	ND< 11	ug/m3	U	ND< 11	ug/m3	U	
TO15	1,2,4-Trimethylbenzene	95-63-6	<60	60 - 600	>600	ug/m3	24	ug/m3	35	ug/m3	36	ug/m3	36	ug/m3	7.7	ug/m3	9.0	ug/m3				
TO15	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NE	NE	NE		ND< 4.6	ug/m3	U	ND< 2.4	ug/m3	U	ND< 12	ug/m3	U	ND< 12	ug/m3	U	ND< 11	ug/m3	U	
TO15	1,2-Dichlorobenzene	95-50-1	NE	NE	NE		ND< 3.6	ug/m3	U	ND< 1.9	ug/m3	U	ND< 9.7	ug/m3	U	ND< 9.1	ug/m3	U	ND< 8.5	ug/m3	U	
TO15	1,2-Dichloroethane	107-06-2	NE	NE	NE		ND< 2.4	ug/m3	U	ND< 1.3	ug/m3	U	ND< 6.5	ug/m3	U	ND< 6.1	ug/m3	U	ND< 5.8	ug/m3	U	
TO15	1,2-Dichloropropane	78-87-5	NE	NE	NE		ND< 2.8	ug/m3	U	ND< 1.5	ug/m3	U	ND< 7.5	ug/m3	U	ND< 7.0	ug/m3	U	ND< 6.6	ug/m3	U	
TO15	1,2-Dichlorotetrafluoroethane	76-14-2	NE	NE	NE		ND< 4.2	ug/m3	U	ND< 2.2	ug/m3	U	ND< 11	ug/m3	U	ND< 11	ug/m3	U	ND< 9.9	ug/m3	U	
TO15	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	<60	60 - 600	>600	ug/m3	5.6	ug/m3	7.8	ug/m3	8.7	ug/m3	8.2	ug/m3	7.0	ug/m3	7.0	ug/m3	ND< 2.9	ug/m3	U	
TO15	1,3-Butadiene	106-99-0	NE	NE	NE		ND< 4.0	ug/m3	3.4	ug/m3	ND< 11	ug/m3	ND< 10	ug/m3	ND< 9.4	ug/m3	ND< 9.4	ug/m3	ND< 3.9	ug/m3	U	
TO15	1,3-Dichlorobenzene	541-73-1	NE	NE	NE		ND< 3.6	ug/m3	U	ND< 1.9	ug/m3	U	ND< 9.7	ug/m3	U	ND< 9.1	ug/m3	U	ND< 8.5	ug/m3	U	
TO15	1,3-Dichloropropane	142-28-9	NE	NE	NE		ND< 2.8	ug/m3	U	ND< 1.5	ug/m3	U	ND< 7.5	ug/m3	U	ND< 7.0	ug/m3	U	ND< 6.6	ug/m3	U	
TO15	1,4-Dichlorobenzene	106-46-7	NE	NE	NE		ND< 3.6	ug/m3	U	ND< 1.9	ug/m3	U	ND< 9.7	ug/m3	U	ND< 9.1	ug/m3	U	ND< 8.5	ug/m3	U	
TO15	1,4-Dioxane (P-Dioxane)	123-91-1	NE	NE	NE		ND< 4.4	ug/m3	U	ND< 2.3	ug/m3	U	ND< 12	ug/m3	U	ND< 11	ug/m3	U	ND< 10	ug/m3	U	
TO15	2,2,4-Trimethylpentane	540-84-1	<60	60 - 600	>600	ug/m3	2.26	ug/m3	3.71	ug/m3	4.52	ug/m3	4.95	ug/m3	ND< 3.32	ug/m3	1.38	ug/m3				
TO15	2-Hexanone	591-78-6	NE	NE	NE		ND< 4.9	ug/m3	3.4	ug/m3	ND< 13	ug/m3	ND< 12	ug/m3	ND< 12	ug/m3	ND< 12	ug/m3	ND< 4.8	ug/m3	U	
TO15	4-Ethyltoluene	622-96-8	NE	NE	NE		24	ug/m3	36	ug/m3	35	ug/m3	34	ug/m3	ND< 7.0	ug/m3	7.3	ug/m3				
TO15	Acetone	67-64-1	NE	NE	NE		320	ug/m3	280	ug/m3	530	ug/m3	540	ug/m3	85	ug/m3	85	ug/m3	170	ug/m3		
TO15	Acrylonitrile	107-13-1	NE	NE	NE		ND< 1.3	ug/m3	U	ND< 0.69	ug/m3	5.3	ug/m3	ND< 3.3	ug/m3	ND< 3.1	ug/m3	ND< 3.1	ug/m3	ND< 1.3	ug/m3	U
TO15	Allyl Chloride (3-Chloropropene)	107-05-1	NE	NE	NE		ND< 9.5	ug/m3	U	ND< 5.0	ug/m3	ND< 25	ug/m3	ND< 24	ug/m3	ND< 22	ug/m3	ND< 22	ug/m3	ND< 9.3	ug/m3	U
TO15	Benzene	71-43-2	<60	60 - 600	>600	ug/m3	3.9	ug/m3	8.1	ug/m3	17	ug/m3	390	ug/m3	ND< 4.5	ug/m3	ND< 4.5	ug/m3	3.0	ug/m3		
TO15	Benzyl Chloride	100-44-7	NE	NE	NE		ND< 3.1	ug/m3	2.5	ug/m3	ND< 8.4	ug/m3	10	ug/m3	ND< 7.4	ug/m3	ND< 7.4	ug/m3	ND< 3.1	ug/m3	U	
TO15	Bromodichloromethane	75-27-4	NE	NE	NE		ND< 4.0	ug/m3	U	ND< 2.1	ug/m3	ND< 11	ug/m3	ND< 13	ug/m3	ND< 9.5	ug/m3	ND< 9.5	ug/m3	ND< 4.0	ug/m3	U
TO15	Bromoform	75-25-2	NE	NE	NE		ND< 6.2	ug/m3	U	ND< 3.3	ug/m3	U	ND< 17	ug/m3	ND< 16	ug/m3	ND< 15	ug/m3	ND< 15	ug/m3	U	
TO15	Bromomethane	74-83-9	NE	NE	NE		ND< 2.3	ug/m3	U	ND< 1.2	ug/m3	U	ND< 6.3	ug/m3	ND< 5.9	ug/m3	ND< 5.5	ug/m3	ND< 5.5	ug/m3	U	
TO15	Carbon Disulfide	75-15-0	NE	NE	NE		2.8	ug/m3	3.0	ug/m3	ND< 5.0	ug/m3	ND< 4.7	ug/m3	ND< 4.4	ug/m3	ND< 4.4	ug/m3	ND< 1.8	ug/m3	U	
TO15	Carbon Tetrachloride	56-23-5	<6	6 - 60	>60	ug/m3	ND< 0.95	ug/m3	7.4	ug/m3	ND< 2.5	ug/m3	ND< 2.4	ug/m3	ND< 2.2	ug/m3	ND< 2.2	ug/m3	ND< 0.93	ug/m3	U	
TO15	Chlorobenzene	108-90-7	NE	NE	NE		ND< 2.8	ug/m3	U	ND< 1.5	ug/m3	U	ND< 7.4	ug/m3	ND< 7.0	ug/m3	ND< 6.5	ug/m3	ND< 6.5	ug/m3	U	
TO15	Chloroethane	75-00-3	NE	NE	NE		ND< 1.6	ug/m3	U	ND< 0.84	ug/m3	U	ND< 4.3	ug/m3	ND< 4.0	ug/m3	ND< 3.7	ug/m3	ND< 3.7	ug/m3	U	
TO15	Chloroform	67-66-3	NE	NE	NE		ND< 2.9	ug/m3	U	ND< 1.6	ug/m3	U	ND< 7.9	ug/m3	84	ug/m3	9.0	ug/m3	ND< 2.9	ug/m3	U	
TO15	Chloromethane	74-87-3	NE	NE	NE		ND< 1.2	ug/m3	U	ND< 0.66	ug/m3	U	ND< 3.3	ug/m3	ND< 3.1	ug/m3	ND< 2.9	ug/m3	ND< 2.9	ug/m3	U	
TO15	Cis-1,2-Dichloroethylene	156-59-2	<6	6 - 60	>60	ug/m3	ND< 0.60	ug/m3	U	ND< 0.31	ug/m3	4.5	ug/m3	2.4	ug/m3	83	ug/m3	1.6	ug/m3			
TO15	Cis-1,3-Dichloropropene	10061-01-5	NE	NE	NE		ND< 2.7	ug/m3	U	ND< 1.4	ug/m3	U	ND< 7.3	ug/m3	ND< 6.9	ug/m3	ND< 6.4	ug/m3	ND< 6.4	ug/m3	U	
TO15	Cyclohexane	110-82-7	<60	60 - 600	>600	ug/m3	4.4	ug/m3	15	ug/m3	8.9	ug/m3	9.9	ug/m3	ND< 4.9	ug/m3	ND< 4.9	ug/m3	2.6	ug/m3		
TO15	Dibromochloromethane	124-48-1	NE	NE	NE		ND< 5.1	ug/m3	U	ND< 2.7	ug/m3	U	ND< 14	ug/m3	ND< 13	ug/m3	ND< 12	ug/m3	ND< 12	ug/m3	U	
TO15	Dichlorodifluoromethane	75-71-8	NE	NE	NE		3.0	ug/m3	3.5	ug/m3	ND< 8.0	ug/m3	ND< 7.5	ug/m3	7.7	ug/m3	8.8	ug/m3				
TO15	Ethyl Acetate	141-78-6	NE	NE	NE		ND< 4.4	ug/m3	U	ND< 2.3	ug/m3	U	ND< 12	ug/m3	ND< 11	ug/m3	ND< 10	ug/m3	ND< 10	ug/m3	U	
TO15	Ethylbenzene	100-41-4	<60	60 - 600	>600	ug/m3	41	ug/m3	54	ug/m3	66	ug/m3	66	ug/m3	9.3	ug/m3	11	ug/m3				
TO15	Hexachlorobutadiene	87-68-3	NE	NE	NE		ND< 6.4	ug/m3	U	ND< 3.4	ug/m3	U	ND< 17	ug/m3	ND< 16	ug/m3	ND< 15	ug/m3	ND< 15	ug/m3	U	
TO15	Isopropanol	67-63-0	NE	NE	NE		ND< 3.0	ug/m3	U	ND< 1.6	ug/m3	U	ND< 7.9	ug/m3	ND< 7.4	ug/m3	ND< 7.0	ug/m3	ND< 7.0	ug/m3	U	
TO15	m,p-Xylene	179601-23-1	<200	200 - 2,000	>2,000	ug/m3	45	ug/m3	62	ug/m3	73	ug/m3	72	ug/m3	ND< 12	ug/m3	ND< 12	ug/m3	14	ug/m3		
TO15	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NE	NE	NE		5.2	ug/m3	6.7	ug/m3	10	ug/m3	14	ug/m3	5.0	ug/m3	9.9	ug/m3				
TO15	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NE	NE	NE		ND< 2.5	ug/m3	U	ND< 1.3	ug/m3	U	ND< 6.6	ug/m3	ND< 6.2	ug/m3	ND< 5.8	ug/m3	ND< 5.8	ug/m3	U	
TO15	Methyl Methacrylate	80-62-6	NE	NE	NE		ND< 2.5	ug/m3	U	ND< 1.3	ug/m3	U	ND< 6.6	ug/m3	ND< 6.2	ug/m3	ND< 5.8	ug/m3	ND< 5.8	ug/m3	U	
TO15	Methylene Chloride	75-09-2	<100	100 - 1,000	>1,000	ug/m3	ND< 4.2	ug/m3	U	ND< 2.2	ug/m3	U	ND< 11	ug/m3	ND< 11	ug/m3	ND< 9.9	ug/m3	ND< 9.9	ug/m3	U	
TO15	Naphthalene	91-20-3	<60	60 - 600	>600	ug/m3	ND< 6.3	ug/m3	U	ND< 3.3	ug/m3	U	ND< 17	ug/m3	ND< 16	ug/m3	ND< 15	ug/m3	ND< 15	ug/m3	U	
TO15	N-Heptane	142-82-5	<200	200 - 2,000	>2,000	ug/m3	6.4	ug/m3	28	ug/m3	28	ug/m3	22	ug/m3	7.0	ug/m3	5.8	ug/m3				
TO15	N-Hexane	110-54-3	<200	200 - 2,000	>2,000	ug/m3	10	ug/m3	46	ug/m3	39	ug/m3	35	ug/m3	8.5	ug/m3	6.7	ug/m3				
TO15	O-Xylene (1,2-Dimethylbenzene)	95-47-6	<60	60 - 600	>600	ug/m3																



SOIL BORING LOGS



PVE Engineering
48 Springside Avenue
Poughkeepsie, NY 12603
Telephone: 845.454.2544

BORING NUMBER SB-1

PAGE 1 OF 1

CLIENT	Regan Development Corporation	PROJECT NAME	1 North Depot Street, Binghamton, NY
PROJECT NUMBER	20240228	PROJECT LOCATION	1 North Depot Street, Binghamton, NY
DATE STARTED	6/4/24	COMPLETED	6/4/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2 1/4 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0					
0.2				Asphalt pavement.	
2.5				(GM) Brown/dark brown fine and medium sand, some silt; some gravel; with cobble.	PID = 0
5.0					PID = 0
7.5					PID = 0
10.0					PID = 0
12.5					PID = 0
15.0					PID = 0
16.3					

Refusal at 16.3 feet.
Bottom of borehole at 16.3 feet.



PVE Engineering
48 Springside Avenue
Poughkeepsie, NY 12603
Telephone: 845.454.2544

BORING NUMBER SB-2

PAGE 1 OF 1

CLIENT	Regan Development Corporation	PROJECT NAME	1 North Depot Street, Binghamton, NY
PROJECT NUMBER	20240228	PROJECT LOCATION	1 North Depot Street, Binghamton, NY
DATE STARTED	6/4/24	COMPLETED	6/4/24
GROUND ELEVATION		HOLE SIZE	2 1/4 inches
DRILLING CONTRACTOR	PVE Engineering	GROUND WATER LEVELS:	
DRILLING METHOD	Direct Push via GeoProbe 54DT	AT TIME OF DRILLING	---
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
AT END OF DRILLING			---
NOTES		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0					
0.2				Asphalt.	
				(GM) Brown/dark brown fine and medium sand, some silt; with gravel; with cobble.	PID = 0
2.5	GB 0.5 - 2				PID = 0
					PID = 0
5.0					PID = 0
7.5		GM			PID = 0
10.0					PID = 0
12.5					PID = 0
13.8					

Refusal at 13.8 feet.
Bottom of borehole at 13.8 feet.



PVE Engineering
48 Springside Avenue
Poughkeepsie, NY 12603
Telephone: 845.454.2544

BORING NUMBER SB-3

PAGE 1 OF 1

CLIENT	Regan Development Corporation	PROJECT NAME	1 North Depot Street, Binghamton, NY
PROJECT NUMBER	20240228	PROJECT LOCATION	1 North Depot Street, Binghamton, NY
DATE STARTED	6/4/24	COMPLETED	6/4/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2 1/4 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0					
				0.3 Asphalt. (SM) Brown/light brown fine and medium sand, some silt; some gravel; little cobble.	PID = 0
5		SM			PID = 0.5
	GB 6 - 8'			8.0 (SC) Brown fine and medium sand, little clay, little silt; some gravel; some cobble.	PID = 0
10		SC			PID = 0
				12.0 (GP) Brown medium sand, some silt; some gravel; some cobble.	PID = 0
15		GP			
				19.8	

Refusal at 19.8 feet.
Bottom of borehole at 19.8 feet.



PVE Engineering
48 Springside Avenue
Poughkeepsie, NY 12603
Telephone: 845.454.2544

BORING NUMBER SB-4

PAGE 1 OF 1

CLIENT	Regan Development Corporation	PROJECT NAME	1 North Depot Street, Binghamton, NY
PROJECT NUMBER	20240228	PROJECT LOCATION	1 North Depot Street, Binghamton, NY
DATE STARTED	6/4/24	COMPLETED	6/4/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2 1/4 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0					
				0.3 Asphalt parking lot. (Fill) Dark brown and light gray fine, medium and coarse sand, some silt; some gravel; comingled with fill (slag).	
	GB 2-3.5'				PID = 1.3
				3.5 (GM) Brown fine and medium sand, some silt; with gravel; moist.	PID = 0
5					
		GM			PID = 0
10					
					PID = 0
15				15.0 (GM) Brown/dark brown silt, with fine sand; with gravel; some cobble; moist.	PID = 0
		GM			
				16.0 (ML) Brown silt, some clay; with cobble; moist.	
		ML			
				17.0 (GM) Fracture white rock to brown medium sand, little silt; with cobble; some gravel.	PID = 0
		GM			
				18.2	

Refusal at 18.2 feet.
Bottom of borehole at 18.2 feet.



PVE Engineering
48 Springside Avenue
Poughkeepsie, NY 12603
Telephone: 845.454.2544

BORING NUMBER SB-5

PAGE 1 OF 1

CLIENT	Regan Development Corporation	PROJECT NAME	1 North Depot Street, Binghamton, NY
PROJECT NUMBER	20240228	PROJECT LOCATION	1 North Depot Street, Binghamton, NY
DATE STARTED	6/4/24	COMPLETED	6/4/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2 1/4 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0					
0.3				Asphalt parking lot.	
				(Fill) Dark brown and light gray fine, medium and coarse sand, some silt; some gravel; comingled with fill (with slag, ash, little brick fragments); moist.	
2.5	GB 2-3'				PID = 0.5
3.0				Crushed cobble; with brown fine, medium sand.	
4.0				(GM) Brown fine and medium sand, some silt; some gravel; some cobble.	PID = 0
5.0					
7.5					PID = 0
10.0					
12.5					PID = 0
13.6					

Refusal at 13.6 feet.
Bottom of borehole at 13.6 feet.



PVE Engineering
48 Springside Avenue
Poughkeepsie, NY 12603
Telephone: 845.454.2544

BORING NUMBER SB-6

PAGE 1 OF 1

CLIENT	Regan Development Corporation	PROJECT NAME	1 North Depot Street, Binghamton, NY
PROJECT NUMBER	20240228	PROJECT LOCATION	1 North Depot Street, Binghamton, NY
DATE STARTED	6/4/24	COMPLETED	6/4/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2 1/4 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0					
0.5				Topsoil with brick fragments.	
2.5	GB 0.5-3'			(Fill) Dark brown and light gray fine, medium and coarse sand, some silt; some gravel; comingled with fill (with glass, tile and coal fragments).	PID = 0.1
3.0				(GM) Brown fine and medium sand, some silt; with gravel and cobble.	PID = 0
5.0					PID = 0
7.5					PID = 0
10.0					PID = 0
12.5					PID = 0
15.0					PID = 0
16.8					

Refusal at 16.8 feet.
Bottom of borehole at 16.8 feet.



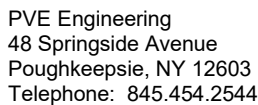
PVE Engineering
48 Springside Avenue
Poughkeepsie, NY 12603
Telephone: 845.454.2544

BORING NUMBER SB-7

PAGE 1 OF 1

CLIENT	Regan Development Corporation	PROJECT NAME	1 North Depot Street, Binghamton, NY
PROJECT NUMBER	20240228	PROJECT LOCATION	1 North Depot Street, Binghamton, NY
DATE STARTED	6/4/24	COMPLETED	6/4/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2 1/4 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0					
				0.5 Fractured rock, with brown fine and medium sand; some gravel. (SC) (Fill) Brown fine sand, little clay, little silt; some gravel, comingled brick.	PID = 0
5		SC			PID = 0
				7.0 (GM) Brown fine and medium sand, some silt; some gravel; with cobble.	PID = 0
10	GB 7-9'				PID = 0
		GM			PID = 0
15					PID = 0
20				20.0 Refusal at 20.0 feet. Bottom of borehole at 20.0 feet.	PID = 0



PAGE 1 OF 1

PROJECT NAME 1 North Depot Street, Binghamton, NY

PROJECT LOCATION 1 North Depot Street, Binghamton, NY

GROUND ELEVATION **HOLE SIZE** 2 1/4 inches

GROUND WATER LEVELS:

AT TIME OF DRILLING ---

AT END OF DRILLING ---

AFTER DRILLING ---

Bottom of borehole at 24.0 feet.



PVE Engineering
48 Springside Avenue
Poughkeepsie, NY 12603
Telephone: 845.454.2544

BORING NUMBER SB-9

PAGE 1 OF 1

CLIENT	Regan Development Corporation	PROJECT NAME	1 North Depot Street, Binghamton, NY
PROJECT NUMBER	20240228	PROJECT LOCATION	1 North Depot Street, Binghamton, NY
DATE STARTED	6/5/24	COMPLETED	6/5/25
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2 1/4 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0					
0.3				Asphalt parking lot.	
				(Fill) Dark brown/black fine sand, with silt; little brick fragments and crushed coal.	
2.5	GB 2-2.5'				PID = 0.4
2.5				(GM) Brown fine and medium sand, with silt; with gravel; with cobble.	
5.0		GM			PID = 0
7.5					PID = 0
10.0				(GP) Brown medium sand, little silt; some gravel; little cobble.	PID = 0
12.5		GP			PID = 0
15.0					PID = 0
17.2					PID = 0

Refusal at 17.2 feet.
Bottom of borehole at 17.2 feet.



PVE Engineering
48 Springside Avenue
Poughkeepsie, NY 12603
Telephone: 845.454.2544

BORING NUMBER SB-10

PAGE 1 OF 1

CLIENT	Regan Development Corporation	PROJECT NAME	1 North Depot Street, Binghamton, NY
PROJECT NUMBER	20240228	PROJECT LOCATION	1 North Depot Street, Binghamton, NY
DATE STARTED	6/5/24	COMPLETED	6/5/25
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2 1/4 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0					
0.3				Asphalt parking lot.	
				(Fill) Brown/dark brown fine and medium sand, some silt; with gravel; with cobble; little brick fragments.	PID = 0.1
2.5	GB 0.5-3'				
3.0				(GM) Brown/dark brown fine and medium sand, some silt; some gravel; some cobble.	PID = 0
5.0		GM			PID = 0
7.5					
8.0				No recovery.	PID = 0
10.0					PID = 0
12.0				(GM) Brown fine sand, some silt to crushed cobble with gravel.	PID = 0
12.5		GM			
13.8					

Refusal at 13.8 feet.
Bottom of borehole at 13.8 feet.



VAPOR SAMPLING LOG

VAPOR SAMPLING LOG

Project Name/Address: 1 North Depot Street, City of Binghamton, New York

PVE Project #: 20240228

Sampler(s): AJS/TLC/RER

Weather: 78°F; sunny

NOTES: _____

KEY

Location Type:

- (A) Sub-slab
(B) Soil vapor probe, pre-fabricated (6-inch stainless steel vapor probe)
(C) Soil vapor probe, field constructed (_____)
(D) Ambient Air

Sampling Method:

- (A) 1-L summa canister
(B) 6-L summa canister
(C) Other: _____

Purge Method:

- (A) Peristaltic pump set to a flow rate: 0.2 L/min
(B) PID set to a flow rate: 0.2 L/min
(C) Other: _____

Apparent Moisture Content of Sampling Zone:

- (A) Dry
(B) Moist
(C) Saturated

Sample ID	Location Type	Apparent Moisture	Sample Depth	Helium Tracer Test	Sampling Method	Purge Method	Purge Volume	Sample Start Date/Time	Sample End Date/Time	Canister ID	Regulator ID	Canister start vacuum	Canister end vacuum
SV-1	B	A	5' bgs	PASS	B	MultiRAE gas detector	1-3 volumes	2024-06-04 10:50	2024-06-04 13:09	20942	20246	-30"	-3"
SV-2	B	A	5' bgs	PASS	B	MultiRAE gas detector	1-3 volumes	2024-06-04 10:54	2024-06-04 12:44	41841	7609	-30"	-4"
SV-3	B	A	5' bgs	PASS	B	MultiRAE gas detector	1-3 volumes	2024-06-04 11:18	2024-06-04 13:27	48321	Y-27	-30"	-4"
SV-4	B	A	5' bgs	PASS	B	MultiRAE gas detector	1-3 volumes	2024-06-04 11:24	2024-06-04 13:52	43003	19401	-30"	-2"

Analytical Laboratory: York Analytical

Date Shipped to Lab: June 6, 2024

Delivery Service: __FedEx __UPS x Courier

VAPOR SAMPLING LOG

Project Name/Address: 1 North Depot Street, City of Binghamton, New York

PVE Project #: 20240228

Sampler(s): AJS/TLC

Weather: 76°F; sunny/mostly cloudy

NOTES: _____

KEY

Location Type:

- (A) Sub-slab
(B) Soil vapor probe, pre-fabricated (_____)
(C) Soil vapor probe, field constructed (_____)
(D) Ambient Air

Sampling Method:

- (A) 1-L summa canister
(B) 6-L summa canister
(C) Other: _____

Purge Method:

- (A) Peristaltic pump set to a flow rate: 0.2 L/min
(B) PID set to a flow rate: 0.2 L/min
(C) Other: _____

Apparent Moisture Content of Sampling Zone:

- (A) Dry
(B) Moist
(C) Saturated

Sample ID	Location Type	Apparent Moisture	Sample Depth	Helium Tracer Test	Sampling Method	Purge Method	Purge Volume	Sample Start Date/Time	Sample End Date/Time	Canister ID	Regulator ID	Canister start vacuum	Canister end vacuum
SSV-1 2024-06-05	A	A	8” bgs	PASS	B	MultiRAE gas detector	1-3 volumes	2024-06-05 12:43	2024-06-05 15:04	22079	5378	-30”	-3”
SSV-2 2024-06-05	A	A	19” bgs	PASS	B	MultiRAE gas detector	1-3 volumes	2024-06-05 12:52	2024-06-05 15:06	23990	5706	-30”	-2”

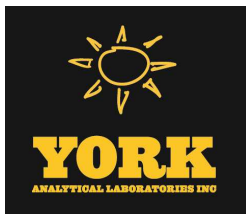
Analytical Laboratory: York Analytical

Date Shipped to Lab: June 6, 2024

Delivery Service: __FedEx __UPS x Courier



ANALYTICAL REPORTS



Technical Report

prepared for:

PVE, LLC.
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Anthony Spadavecchia

Report Date: 06/14/2024
Client Project ID: 20240228
York Project (SDG) No.: 24F0413

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 06/14/2024
Client Project ID: 20240228
York Project (SDG) No.: 24F0413

PVE, LLC.
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Anthony Spadavecchia

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 06, 2024 and listed below. The project was identified as your project: **20240228**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24F0413-02	SB-2 0.5-2 20240604	Soil	06/04/2024	06/06/2024
24F0413-04	SB-4 2-3.5 20240604	Soil	06/04/2024	06/06/2024
24F0413-05	SB-5 2-3 20240604	Soil	06/04/2024	06/06/2024
24F0413-06	SB-6 0.5-3 20240604	Soil	06/04/2024	06/06/2024
24F0413-08	SB-8 2.5-3.5 20240605	Soil	06/05/2024	06/06/2024
24F0413-09	SB-9 2-2.5 20240605	Soil	06/05/2024	06/06/2024
24F0413-10	SB-10 0.5-3 20240605	Soil	06/05/2024	06/06/2024

General Notes for York Project (SDG) No.: 24F0413

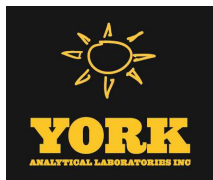
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By: 

Cassie L. Mosher
Laboratory Manager

Date: 06/14/2024





Sample Information

Client Sample ID: SB-2 0.5-2 20240604

York Sample ID: 24F0413-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24F0413

20240228

Soil

June 4, 2024 11:35 am

06/06/2024

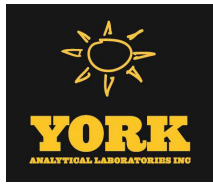
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005			
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			



Sample Information

Client Sample ID: SB-2 0.5-2 20240604

York Sample ID: 24F0413-02

York Project (SDG) No.

24F0413

Client Project ID

20240228

Matrix

Soil

Collection Date/Time

June 4, 2024 11:35 am

Date Received

06/06/2024

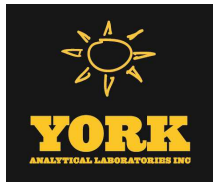
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
67-64-1	Acetone	ND		mg/kg dry	0.0056	0.011	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			



Sample Information

Client Sample ID: SB-2 0.5-2 20240604

York Sample ID: 24F0413-02

York Project (SDG) No.

24F0413

Client Project ID

20240228

Matrix

Soil

Collection Date/Time

June 4, 2024 11:35 am

Date Received

06/06/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0056	0.011	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 19:08	BMC

Surrogate Recoveries

Result

Acceptance Range

120 RESEARCH DRIVE

www.YORKLAB.com

STRATFORD, CT 06615

(203) 325-1371

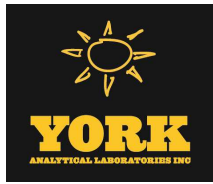
132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@

Page 6 of 59



Sample Information

Client Sample ID: SB-2 0.5-2 20240604

York Sample ID: 24F0413-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F0413	20240228	Soil	June 4, 2024 11:35 am	06/06/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	113 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	110 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.1 %			76-130						

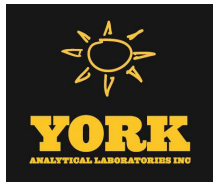
Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.050	J	mg/kg dry	0.044	0.087	2	EPA 8270E	06/07/2024 08:23	06/11/2024 11:52	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
208-96-8	Acenaphthylene	1.1		mg/kg dry	0.044	0.087	2	EPA 8270E	06/07/2024 08:23	06/11/2024 11:52	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
120-12-7	Anthracene	0.65		mg/kg dry	0.044	0.087	2	EPA 8270E	06/07/2024 08:23	06/11/2024 11:52	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
56-55-3	Benzo(a)anthracene	1.4		mg/kg dry	0.044	0.087	2	EPA 8270E	06/07/2024 08:23	06/11/2024 11:52	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
50-32-8	Benzo(a)pyrene	1.1		mg/kg dry	0.044	0.087	2	EPA 8270E	06/07/2024 08:23	06/11/2024 11:52	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
205-99-2	Benzo(b)fluoranthene	1.1		mg/kg dry	0.044	0.087	2	EPA 8270E	06/07/2024 08:23	06/11/2024 11:52	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
191-24-2	Benzo(g,h,i)perylene	0.77		mg/kg dry	0.044	0.087	2	EPA 8270E	06/07/2024 08:23	06/11/2024 11:52	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
207-08-9	Benzo(k)fluoranthene	1.1		mg/kg dry	0.044	0.087	2	EPA 8270E	06/07/2024 08:23	06/11/2024 11:52	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
218-01-9	Chrysene	1.5		mg/kg dry	0.044	0.087	2	EPA 8270E	06/07/2024 08:23	06/11/2024 11:52	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
53-70-3	Dibenzo(a,h)anthracene	0.29		mg/kg dry	0.044	0.087	2	EPA 8270E	06/07/2024 08:23	06/11/2024 11:52	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
206-44-0	Fluoranthene	0.66		mg/kg dry	0.11	0.22	5	EPA 8270E	06/07/2024 08:23	06/14/2024 11:37	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
86-73-7	Fluorene	0.095		mg/kg dry	0.044	0.087	2	EPA 8270E	06/07/2024 08:23	06/11/2024 11:52	SS
								Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
193-39-5	Indeno(1,2,3-cd)pyrene	0.70		mg/kg dry	0.044	0.087	2	EPA 8270E	06/07/2024 08:23	06/11/2024 11:52	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
91-20-3	Naphthalene	ND		mg/kg dry	0.044	0.087	2	EPA 8270E	06/07/2024 08:23	06/11/2024 11:52	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
85-01-8	Phenanthrene	2.3		mg/kg dry	0.044	0.087	2	EPA 8270E	06/07/2024 08:23	06/11/2024 11:52	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
129-00-0	Pyrene	2.7		mg/kg dry	0.044	0.087	2	EPA 8270E	06/07/2024 08:23	06/11/2024 11:52	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB-2 0.5-2 20240604

York Sample ID: 24F0413-02

York Project (SDG) No.

24F0413

Client Project ID

20240228

Matrix

Soil

Collection Date/Time

June 4, 2024 11:35 am

Date Received

06/06/2024

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	52.6 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	53.8 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	62.1 %			24-116						

Metals, RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	9.02		mg/kg dry	1.33	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:50	AGNR
7440-39-3	Barium	57.7		mg/kg dry	2.21	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:50	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.266	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:50	AGNR
7440-47-3	Chromium	12.5		mg/kg dry	0.444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:50	AGNR
7439-92-1	Lead	28.9		mg/kg dry	0.444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:50	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.22	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:50	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.447	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:50	AGNR

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0448		mg/kg dry	0.0319	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04	06/11/2024 14:48	06/11/2024 20:58	DRS

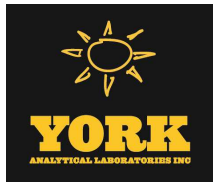
Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.0		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	06/10/2024 07:46	06/10/2024 16:02	HLV



Sample Information

Client Sample ID: SB-4 2-3.5 20240604

York Sample ID: 24F0413-04

York Project (SDG) No.

24F0413

Client Project ID

20240228

Matrix

Soil

Collection Date/Time

June 4, 2024 1:00 pm

Date Received

06/06/2024

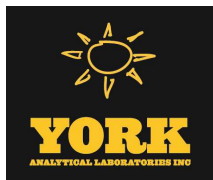
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 20:03	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	06/10/2024 10:49	06/10/2024 20:03	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 20:03	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.061	0.12	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 20:03	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC



Sample Information

Client Sample ID: SB-4 2-3.5 20240604

York Sample ID: 24F0413-04

York Project (SDG) No.
24F0413

Client Project ID
20240228

Matrix
Soil

Collection Date/Time
June 4, 2024 1:00 pm

Date Received
06/06/2024

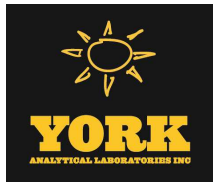
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		mg/kg dry	0.0061	0.012	1	EPA 8260D Certifications:	06/10/2024 10:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 20:03	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0061	0.012	1	EPA 8260D Certifications:	06/10/2024 10:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 20:03	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 20:03	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 20:03	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 20:03	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 20:03	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 20:03	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 20:03	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 20:03	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 20:03	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 20:03	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 20:03	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 20:03	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 20:03	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 20:03	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 20:03	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 20:03	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 20:03	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 20:03	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 20:03	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 20:03	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 20:03	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 20:03	BMC



Sample Information

Client Sample ID: SB-4 2-3.5 20240604

York Sample ID: 24F0413-04

York Project (SDG) No.

24F0413

Client Project ID

20240228

Matrix

Soil

Collection Date/Time

June 4, 2024 1:00 pm

Date Received

06/06/2024

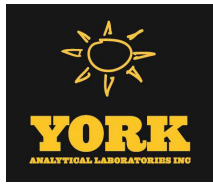
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 20:03	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 20:03	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0061	0.012	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0061	0.012	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 20:03	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NJDEP-CT005	06/10/2024 10:49	06/10/2024 20:03	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0091	0.018	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:03	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	114 %	77-125								



Sample Information

Client Sample ID: SB-4 2-3.5 20240604

York Sample ID: 24F0413-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F0413	20240228	Soil	June 4, 2024 1:00 pm	06/06/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: SURR: Toluene-d8	111 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.1 %			76-130						

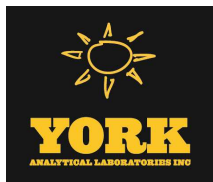
Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.052	J	mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:23	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
208-96-8	Acenaphthylene	0.062	J	mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:23	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
120-12-7	Anthracene	0.15		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:23	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
56-55-3	Benzo(a)anthracene	0.55		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:23	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
50-32-8	Benzo(a)pyrene	0.73		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:23	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
205-99-2	Benzo(b)fluoranthene	0.50		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:23	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
191-24-2	Benzo(g,h,i)perylene	1.2		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:23	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
207-08-9	Benzo(k)fluoranthene	0.36		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:23	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
218-01-9	Chrysene	0.59		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:23	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
53-70-3	Dibenzo(a,h)anthracene	0.42		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:23	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
206-44-0	Fluoranthene	1.0		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:23	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
86-73-7	Fluorene	0.051	J	mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:23	SS
								Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
193-39-5	Indeno(1,2,3-cd)pyrene	0.49		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:23	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
91-20-3	Naphthalene	ND		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:23	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
85-01-8	Phenanthrene	0.56		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:23	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
129-00-0	Pyrene	0.89		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:23	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	68.2 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.4 %	21-113								



Sample Information

Client Sample ID: SB-4 2-3.5 20240604

York Sample ID: 24F0413-04

York Project (SDG) No.

24F0413

Client Project ID

20240228

Matrix

Soil

Collection Date/Time

June 4, 2024 1:00 pm

Date Received

06/06/2024

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	Surrogate: SURR: Terphenyl-d14	78.5 %			24-116						

Metals, RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	12.3		mg/kg dry	1.51	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:53	AGNR
7440-39-3	Barium	102		mg/kg dry	2.51	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:53	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.302	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:53	AGNR
7440-47-3	Chromium	11.5		mg/kg dry	0.503	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:53	AGNR
7439-92-1	Lead	986		mg/kg dry	0.503	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:53	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.51	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:53	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.507	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:53	AGNR

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.874		mg/kg dry	0.0362	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04	06/11/2024 14:48	06/11/2024 20:58	DRS

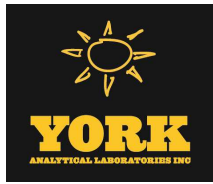
Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.9		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	06/10/2024 12:35	06/10/2024 16:08	HLV



Sample Information

Client Sample ID: SB-5 2-3 20240604

York Sample ID: 24F0413-05

York Project (SDG) No.

24F0413

Client Project ID

20240228

Matrix

Soil

Collection Date/Time

June 4, 2024 2:15 pm

Date Received

06/06/2024

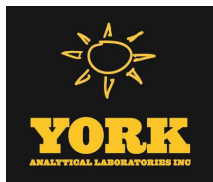
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 20:30	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	06/10/2024 10:49	06/10/2024 20:30	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 20:30	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.061	0.12	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 20:30	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC



Sample Information

Client Sample ID: SB-5 2-3 20240604

York Sample ID: 24F0413-05

York Project (SDG) No.
24F0413

Client Project ID
20240228

Matrix
Soil

Collection Date/Time
June 4, 2024 2:15 pm

Date Received
06/06/2024

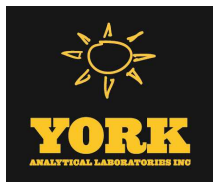
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		mg/kg dry	0.0061	0.012	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0061	0.012	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:30	BMC



Sample Information

Client Sample ID: SB-5 2-3 20240604

York Sample ID: 24F0413-05

York Project (SDG) No.

24F0413

Client Project ID

20240228

Matrix

Soil

Collection Date/Time

June 4, 2024 2:15 pm

Date Received

06/06/2024

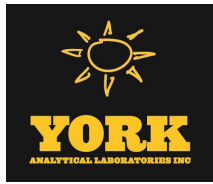
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 20:30	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 20:30	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0061	0.012	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0061	0.012	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 20:30	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NJDEP-CT005	06/10/2024 10:49	06/10/2024 20:30	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0091	0.018	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:30	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	114 %	77-125								



Sample Information

Client Sample ID: SB-5 2-3 20240604

York Sample ID: 24F0413-05

York Project (SDG) No.

24F0413

Client Project ID

20240228

Matrix

Soil

Collection Date/Time

June 4, 2024 2:15 pm

Date Received

06/06/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: SURR: Toluene-d8	110 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	92.7 %			76-130						

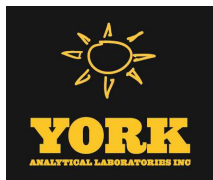
Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.060	J	mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
208-96-8	Acenaphthylene	0.064	J	mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
120-12-7	Anthracene	0.14		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
56-55-3	Benzo(a)anthracene	0.52		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
50-32-8	Benzo(a)pyrene	0.48		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
205-99-2	Benzo(b)fluoranthene	0.42		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
191-24-2	Benzo(g,h,i)perylene	0.29		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
207-08-9	Benzo(k)fluoranthene	0.37		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
218-01-9	Chrysene	0.50		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
53-70-3	Dibenzo(a,h)anthracene	0.096	J	mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
206-44-0	Fluoranthene	1.1		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
86-73-7	Fluorene	ND		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:53	SS
								Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
193-39-5	Indeno(1,2,3-cd)pyrene	0.25		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
91-20-3	Naphthalene	ND		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
85-01-8	Phenanthrene	0.61		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
129-00-0	Pyrene	0.97		mg/kg dry	0.050	0.099	2	EPA 8270E	06/07/2024 08:23	06/11/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	75.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	76.3 %	21-113								



Sample Information

Client Sample ID: SB-5 2-3 20240604

York Sample ID: 24F0413-05

York Project (SDG) No.
24F0413

Client Project ID
20240228

Matrix
Soil

Collection Date/Time
June 4, 2024 2:15 pm

Date Received
06/06/2024

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	Surrogate: SURR: Terphenyl-d14	88.2 %			24-116						

Metals, RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	9.25		mg/kg dry	1.51	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:55	AGNR
7440-39-3	Barium	112		mg/kg dry	2.51	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:55	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.301	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:55	AGNR
7440-47-3	Chromium	8.34		mg/kg dry	0.502	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:55	AGNR
7439-92-1	Lead	344		mg/kg dry	0.502	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:55	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.51	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:55	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.506	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/13/2024 13:35	06/14/2024 12:55	AGNR

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.831		mg/kg dry	0.0361	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04	06/11/2024 14:48	06/11/2024 20:58	DRS

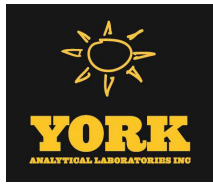
Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.0		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	06/10/2024 12:35	06/10/2024 16:08	HLV



Sample Information

Client Sample ID: SB-6 0.5-3 20240604

York Sample ID: 24F0413-06

York Project (SDG) No.

24F0413

Client Project ID

20240228

Matrix

Soil

Collection Date/Time

June 4, 2024 3:10 pm

Date Received

06/06/2024

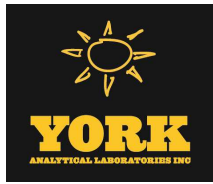
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 20:58	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	06/10/2024 10:49	06/10/2024 20:58	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 20:58	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.064	0.13	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 20:58	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC



Sample Information

Client Sample ID: SB-6 0.5-3 20240604

York Sample ID: 24F0413-06

York Project (SDG) No.

24F0413

Client Project ID

20240228

Matrix

Soil

Collection Date/Time

June 4, 2024 3:10 pm

Date Received

06/06/2024

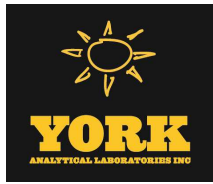
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		mg/kg dry	0.0064	0.013	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0064	0.013	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 20:58	BMC



Sample Information

Client Sample ID: SB-6 0.5-3 20240604

York Sample ID: 24F0413-06

York Project (SDG) No.

24F0413

Client Project ID

20240228

Matrix

Soil

Collection Date/Time

June 4, 2024 3:10 pm

Date Received

06/06/2024

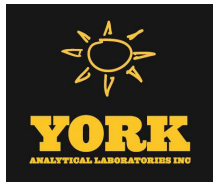
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 20:58	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 20:58	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0064	0.013	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0064	0.013	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 20:58	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NJDEP-CT005	06/10/2024 10:49	06/10/2024 20:58	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0096	0.019	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 20:58	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	118 %	77-125								



Sample Information

Client Sample ID: SB-6 0.5-3 20240604

York Sample ID: 24F0413-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24F0413	20240228	Soil	June 4, 2024 3:10 pm	06/06/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: SURR: Toluene-d8	110 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.8 %			76-130						

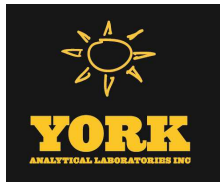
Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.046	0.092	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/07/2024 08:23	06/11/2024 13:24	SS
208-96-8	Acenaphthylene	ND		mg/kg dry	0.046	0.092	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/07/2024 08:23	06/11/2024 13:24	SS
120-12-7	Anthracene	0.052	J	mg/kg dry	0.046	0.092	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 13:24	SS
56-55-3	Benzo(a)anthracene	0.21		mg/kg dry	0.046	0.092	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 13:24	SS
50-32-8	Benzo(a)pyrene	0.18		mg/kg dry	0.046	0.092	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 13:24	SS
205-99-2	Benzo(b)fluoranthene	0.16		mg/kg dry	0.046	0.092	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 13:24	SS
191-24-2	Benzo(g,h,i)perylene	0.11		mg/kg dry	0.046	0.092	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 13:24	SS
207-08-9	Benzo(k)fluoranthene	0.15		mg/kg dry	0.046	0.092	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 13:24	SS
218-01-9	Chrysene	0.19		mg/kg dry	0.046	0.092	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 13:24	SS
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.046	0.092	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/07/2024 08:23	06/11/2024 13:24	SS
206-44-0	Fluoranthene	0.42		mg/kg dry	0.046	0.092	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 13:24	SS
86-73-7	Fluorene	ND		mg/kg dry	0.046	0.092	2	EPA 8270E Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	06/07/2024 08:23	06/11/2024 13:24	SS
193-39-5	Indeno(1,2,3-cd)pyrene	0.098		mg/kg dry	0.046	0.092	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 13:24	SS
91-20-3	Naphthalene	ND		mg/kg dry	0.046	0.092	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/07/2024 08:23	06/11/2024 13:24	SS
85-01-8	Phenanthrene	0.22		mg/kg dry	0.046	0.092	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 13:24	SS
129-00-0	Pyrene	0.36		mg/kg dry	0.046	0.092	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 13:24	SS
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	62.7 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.0 %	21-113								



Sample Information

Client Sample ID: SB-6 0.5-3 20240604			York Sample ID: 24F0413-06		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24F0413	20240228	Soil	June 4, 2024 3:10 pm	06/06/2024	

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	Surrogate: SURR: Terphenyl-d14	76.1 %			24-116						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	06/07/2024 08:25	06/08/2024 08:48	NF
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	06/07/2024 08:25	06/08/2024 08:48	NF
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	06/07/2024 08:25	06/08/2024 08:48	NF
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	06/07/2024 08:25	06/08/2024 08:48	NF
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	06/07/2024 08:25	06/08/2024 08:48	NF
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	06/07/2024 08:25	06/08/2024 08:48	NF
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	06/07/2024 08:25	06/08/2024 08:48	NF
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications:	06/07/2024 08:25	06/08/2024 08:48	NF
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	48.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	33.5 %	30-140							

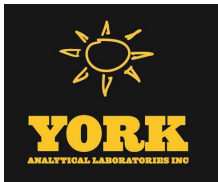
Metals, RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	8.50		mg/kg dry	1.39	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 12:58	AGNR
7440-39-3	Barium	133		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 12:58	AGNR
7440-43-9	Cadmium	0.447		mg/kg dry	0.279	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 12:58	AGNR
7440-47-3	Chromium	10.1		mg/kg dry	0.465	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 12:58	AGNR
7439-92-1	Lead	202		mg/kg dry	0.465	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 12:58	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 12:58	AGNR



Sample Information

Client Sample ID: SB-6 0.5-3 20240604			York Sample ID: 24F0413-06		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24F0413	20240228	Soil	June 4, 2024 3:10 pm	06/06/2024	

Metals, RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/kg dry	0.468	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 12:58	AGNR

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.27		mg/kg dry	0.0334	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-044	06/08/2024 10:26	06/10/2024 15:28	AJL

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.7		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	06/10/2024 12:35	06/10/2024 16:08	HLY

Sample Information

Client Sample ID: SB-8 2.5-3.5 20240605			York Sample ID: 24F0413-08		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24F0413	20240228	Soil	June 5, 2024 9:10 am	06/06/2024	

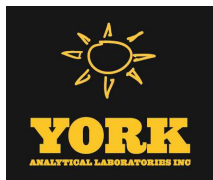
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC



Sample Information

Client Sample ID: SB-8 2.5-3.5 20240605

York Sample ID: 24F0413-08

York Project (SDG) No.
24F0413

Client Project ID
20240228

Matrix
Soil

Collection Date/Time
June 5, 2024 9:10 am

Date Received
06/06/2024

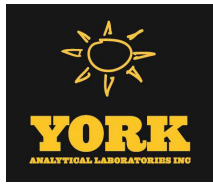
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
67-64-1	Acetone	0.0078	J	mg/kg dry	0.0052	0.010	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC



Sample Information

Client Sample ID: SB-8 2.5-3.5 20240605

York Sample ID: 24F0413-08

York Project (SDG) No.

24F0413

Client Project ID

20240228

Matrix

Soil

Collection Date/Time

June 5, 2024 9:10 am

Date Received

06/06/2024

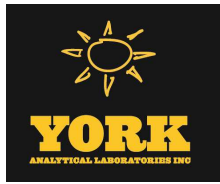
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 21:52	BMC



Sample Information

Client Sample ID: SB-8 2.5-3.5 20240605			York Sample ID: 24F0413-08		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24F0413	20240228	Soil	June 5, 2024 9:10 am	06/06/2024	

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 21:52	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NJDEP-CT005	06/10/2024 10:49	06/10/2024 21:52	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 21:52	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	115 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	118 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	76-130								

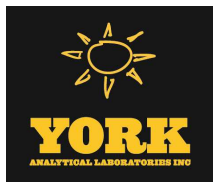
Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.047	0.095	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/07/2024 08:23	06/11/2024 13:54	SS



Sample Information

Client Sample ID: SB-8 2.5-3.5 20240605

York Sample ID: 24F0413-08

York Project (SDG) No.
24F0413

Client Project ID
20240228

Matrix
Soil

Collection Date/Time
June 5, 2024 9:10 am

Date Received
06/06/2024

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		mg/kg dry	0.047	0.095	2	EPA 8270E Certifications:	06/07/2024 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/11/2024 13:54	SS
120-12-7	Anthracene	ND		mg/kg dry	0.047	0.095	2	EPA 8270E Certifications:	06/07/2024 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/11/2024 13:54	SS
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.047	0.095	2	EPA 8270E Certifications:	06/07/2024 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/11/2024 13:54	SS
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.047	0.095	2	EPA 8270E Certifications:	06/07/2024 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/11/2024 13:54	SS
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.047	0.095	2	EPA 8270E Certifications:	06/07/2024 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/11/2024 13:54	SS
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.047	0.095	2	EPA 8270E Certifications:	06/07/2024 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/11/2024 13:54	SS
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.047	0.095	2	EPA 8270E Certifications:	06/07/2024 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/11/2024 13:54	SS
218-01-9	Chrysene	ND		mg/kg dry	0.047	0.095	2	EPA 8270E Certifications:	06/07/2024 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/11/2024 13:54	SS
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.047	0.095	2	EPA 8270E Certifications:	06/07/2024 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/11/2024 13:54	SS
206-44-0	Fluoranthene	ND		mg/kg dry	0.047	0.095	2	EPA 8270E Certifications:	06/07/2024 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/11/2024 13:54	SS
86-73-7	Fluorene	ND		mg/kg dry	0.047	0.095	2	EPA 8270E Certifications:	06/07/2024 08:23 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	06/11/2024 13:54	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.047	0.095	2	EPA 8270E Certifications:	06/07/2024 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/11/2024 13:54	SS
91-20-3	Naphthalene	ND		mg/kg dry	0.047	0.095	2	EPA 8270E Certifications:	06/07/2024 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/11/2024 13:54	SS
85-01-8	Phenanthrene	ND		mg/kg dry	0.047	0.095	2	EPA 8270E Certifications:	06/07/2024 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/11/2024 13:54	SS
129-00-0	Pyrene	ND		mg/kg dry	0.047	0.095	2	EPA 8270E Certifications:	06/07/2024 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/11/2024 13:54	SS
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	79.5 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	78.5 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	84.9 %	24-116								

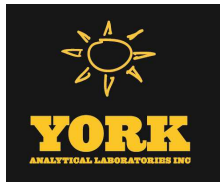
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	06/07/2024 08:25 NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	06/08/2024 09:02	NF
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	06/07/2024 08:25 NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	06/08/2024 09:02	NF
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	06/07/2024 08:25 NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	06/08/2024 09:02	NF



Sample Information

Client Sample ID: SB-8 2.5-3.5 20240605			York Sample ID: 24F0413-08		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24F0413	20240228	Soil	June 5, 2024 9:10 am	06/06/2024	

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	06/07/2024 08:25	06/08/2024 09:02	NF
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	06/07/2024 08:25	06/08/2024 09:02	NF
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	06/07/2024 08:25	06/08/2024 09:02	NF
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	06/07/2024 08:25	06/08/2024 09:02	NF
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	06/07/2024 08:25	06/08/2024 09:02	NF
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	66.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	48.5 %	30-140							

Metals, RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	5.00		mg/kg dry	1.43	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 13:06	AGNR
7440-39-3	Barium	41.1		mg/kg dry	2.39	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 13:06	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.287	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 13:06	AGNR
7440-47-3	Chromium	7.77		mg/kg dry	0.478	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 13:06	AGNR
7439-92-1	Lead	63.5		mg/kg dry	0.478	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 13:06	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.39	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 13:06	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.482	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 13:06	AGNR

Mercury by 7473

Log-in Notes:

Sample Notes:

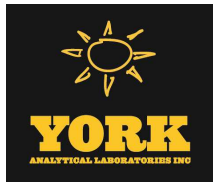
Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.259		mg/kg dry	0.0344	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-044	06/08/2024 10:26	06/10/2024 15:28	AJL

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-8 2.5-3.5 20240605

York Sample ID: 24F0413-08

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24F0413	20240228	Soil	June 5, 2024 9:10 am	06/06/2024

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.2		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	06/10/2024 12:35	06/10/2024 16:08	HLY

Sample Information

Client Sample ID: SB-9 2-2.5 20240605

York Sample ID: 24F0413-09

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24F0413	20240228	Soil	June 5, 2024 10:35 am	06/06/2024

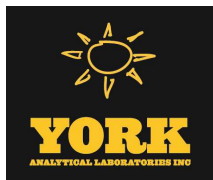
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:20	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:20	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:20	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:20	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:20	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:20	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:20	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 22:20	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	06/10/2024 10:49	06/10/2024 22:20	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 22:20	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:20	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:20	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:20	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:20	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:20	BMC



Sample Information

Client Sample ID: SB-9 2-2.5 20240605

York Sample ID: 24F0413-09

York Project (SDG) No.
24F0413

Client Project ID
20240228

Matrix
Soil

Collection Date/Time
June 5, 2024 10:35 am

Date Received
06/06/2024

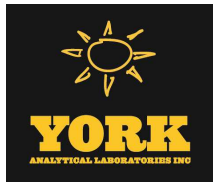
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.10	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0050	0.010	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.010	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
71-43-2	Benzene	0.010		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC



Sample Information

Client Sample ID: SB-9 2-2.5 20240605

York Sample ID: 24F0413-09

York Project (SDG) No.

24F0413

Client Project ID

20240228

Matrix

Soil

Collection Date/Time

June 5, 2024 10:35 am

Date Received

06/06/2024

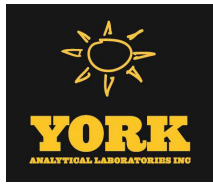
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
75-09-2	Methylene chloride	0.0062	J	mg/kg dry	0.0050	0.010	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:20	BMC



Sample Information

Client Sample ID: SB-9 2-2.5 20240605			York Sample ID: 24F0413-09		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24F0413	20240228	Soil	June 5, 2024 10:35 am	06/06/2024	

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:20	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:20	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: CTDOH-PH-0723,NJDEP-CT005	06/10/2024 10:49	06/10/2024 22:20	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:20	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:20	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:20	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:20	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	115 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	111 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.5 %	76-130								

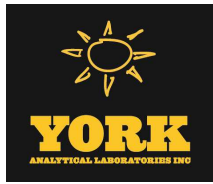
Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.047	0.093	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/07/2024 08:23	06/11/2024 14:24	SS
208-96-8	Acenaphthylene	ND		mg/kg dry	0.047	0.093	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/07/2024 08:23	06/11/2024 14:24	SS
120-12-7	Anthracene	ND		mg/kg dry	0.047	0.093	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/07/2024 08:23	06/11/2024 14:24	SS
56-55-3	Benzo(a)anthracene	0.13		mg/kg dry	0.047	0.093	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 14:24	SS
50-32-8	Benzo(a)pyrene	0.11		mg/kg dry	0.047	0.093	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 14:24	SS
205-99-2	Benzo(b)fluoranthene	0.10		mg/kg dry	0.047	0.093	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 14:24	SS
191-24-2	Benzo(g,h,i)perylene	0.069	J	mg/kg dry	0.047	0.093	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 14:24	SS
207-08-9	Benzo(k)fluoranthene	0.087	J	mg/kg dry	0.047	0.093	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 14:24	SS
218-01-9	Chrysene	0.12		mg/kg dry	0.047	0.093	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 14:24	SS
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.047	0.093	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/07/2024 08:23	06/11/2024 14:24	SS



Sample Information

Client Sample ID: SB-9 2-2.5 20240605			York Sample ID: 24F0413-09		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24F0413	20240228	Soil	June 5, 2024 10:35 am	06/06/2024	

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	0.26		mg/kg dry	0.047	0.093	2	EPA 8270E	06/07/2024 08:23	06/11/2024 14:24	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
86-73-7	Fluorene	ND		mg/kg dry	0.047	0.093	2	EPA 8270E	06/07/2024 08:23	06/11/2024 14:24	SS
								Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
193-39-5	Indeno(1,2,3-cd)pyrene	0.059	J	mg/kg dry	0.047	0.093	2	EPA 8270E	06/07/2024 08:23	06/11/2024 14:24	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
91-20-3	Naphthalene	ND		mg/kg dry	0.047	0.093	2	EPA 8270E	06/07/2024 08:23	06/11/2024 14:24	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
85-01-8	Phenanthrene	0.15		mg/kg dry	0.047	0.093	2	EPA 8270E	06/07/2024 08:23	06/11/2024 14:24	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
129-00-0	Pyrene	0.22		mg/kg dry	0.047	0.093	2	EPA 8270E	06/07/2024 08:23	06/11/2024 14:24	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	81.7 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	83.0 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	91.0 %	24-116								

Metals, RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	6.41		mg/kg dry	1.41	1	EPA 6010D	06/13/2024 13:35	06/14/2024 13:09	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-39-3	Barium	52.0		mg/kg dry	2.34	1	EPA 6010D	06/13/2024 13:35	06/14/2024 13:09	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-43-9	Cadmium	ND		mg/kg dry	0.281	1	EPA 6010D	06/13/2024 13:35	06/14/2024 13:09	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-47-3	Chromium	10.1		mg/kg dry	0.469	1	EPA 6010D	06/13/2024 13:35	06/14/2024 13:09	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-92-1	Lead	45.9		mg/kg dry	0.469	1	EPA 6010D	06/13/2024 13:35	06/14/2024 13:09	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7782-49-2	Selenium	ND		mg/kg dry	2.34	1	EPA 6010D	06/13/2024 13:35	06/14/2024 13:09	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-22-4	Silver	ND		mg/kg dry	0.472	1	EPA 6010D	06/13/2024 13:35	06/14/2024 13:09	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

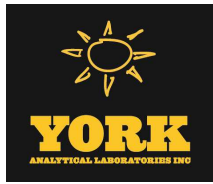
Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.223		mg/kg dry	0.0337	1	EPA 7473	06/08/2024 10:26	06/10/2024 15:28	AJL
							Certifications:	CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04		



Sample Information

Client Sample ID: SB-9 2-2.5 20240605

York Sample ID: 24F0413-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24F0413

20240228

Soil

June 5, 2024 10:35 am

06/06/2024

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.9		%	0.100	1	SM 2540G Certifications: CTDH-PH-0723	06/10/2024 12:35	06/10/2024 16:08	HLV

Sample Information

Client Sample ID: SB-10 0.5-3 20240605

York Sample ID: 24F0413-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24F0413

20240228

Soil

June 5, 2024 12:15 pm

06/06/2024

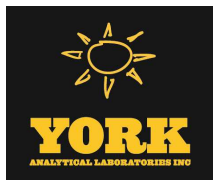
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:47	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:47	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:47	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:47	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:47	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:47	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:47	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 22:47	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	06/10/2024 10:49	06/10/2024 22:47	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	06/10/2024 10:49	06/10/2024 22:47	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:47	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:47	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:47	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:47	BMC



Sample Information

Client Sample ID: SB-10 0.5-3 20240605

York Sample ID: 24F0413-10

York Project (SDG) No.
24F0413

Client Project ID
20240228

Matrix
Soil

Collection Date/Time
June 5, 2024 12:15 pm

Date Received
06/06/2024

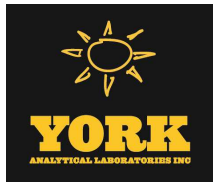
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
67-64-1	Acetone	ND		mg/kg dry	0.0052	0.010	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
75-15-0	Carbon disulfide	ND	CCVE	mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			



Sample Information

Client Sample ID: SB-10 0.5-3 20240605

York Sample ID: 24F0413-10

York Project (SDG) No.

24F0413

Client Project ID

20240228

Matrix

Soil

Collection Date/Time

June 5, 2024 12:15 pm

Date Received

06/06/2024

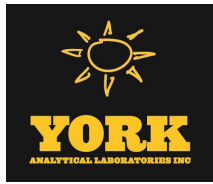
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
75-71-8	Dichlorodifluoromethane	ND	CCVE	mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04			
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications:	06/10/2024 10:49	06/10/2024 22:47	BMC
								CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT			



Sample Information

Client Sample ID: SB-10 0.5-3 20240605			York Sample ID: 24F0413-10		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24F0413	20240228	Soil	June 5, 2024 12:15 pm	06/06/2024	

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:47	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:47	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:47	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NJDEP-CT005	06/10/2024 10:49	06/10/2024 22:47	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:47	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:47	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:47	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	06/10/2024 10:49	06/10/2024 22:47	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	118 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	111 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.6 %	76-130								

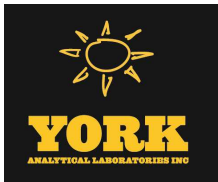
Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/07/2024 08:23	06/11/2024 14:55	SS
208-96-8	Acenaphthylene	ND		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/07/2024 08:23	06/11/2024 14:55	SS
120-12-7	Anthracene	ND		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/07/2024 08:23	06/11/2024 14:55	SS
56-55-3	Benzo(a)anthracene	0.096		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 14:55	SS
50-32-8	Benzo(a)pyrene	0.079	J	mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 14:55	SS
205-99-2	Benzo(b)fluoranthene	0.069	J	mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 14:55	SS
191-24-2	Benzo(g,h,i)perylene	0.060	J	mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 14:55	SS
207-08-9	Benzo(k)fluoranthene	0.063	J	mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 14:55	SS
218-01-9	Chrysene	0.099		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/07/2024 08:23	06/11/2024 14:55	SS



Sample Information

Client Sample ID: SB-10 0.5-3 20240605			York Sample ID: 24F0413-10		
York Project (SDG) No. 24F0413	Client Project ID 20240228	Matrix Soil	Collection Date/Time June 5, 2024 12:15 pm	Date Received 06/06/2024	

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/07/2024 08:23	06/11/2024 14:55	SS
206-44-0	Fluoranthene	0.21		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/07/2024 08:23	06/11/2024 14:55	SS
86-73-7	Fluorene	ND		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	06/07/2024 08:23	06/11/2024 14:55	SS
193-39-5	Indeno(1,2,3-cd)pyrene	0.045	J	mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/07/2024 08:23	06/11/2024 14:55	SS
91-20-3	Naphthalene	ND		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/07/2024 08:23	06/11/2024 14:55	SS
85-01-8	Phenanthrene	0.13		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/07/2024 08:23	06/11/2024 14:55	SS
129-00-0	Pyrene	0.20		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/07/2024 08:23	06/11/2024 14:55	SS
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	47.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	48.7 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	58.5 %	24-116								

Metals, RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	4.85		mg/kg dry	1.36	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 13:11	AGNR
7440-39-3	Barium	75.7		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 13:11	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.272	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 13:11	AGNR
7440-47-3	Chromium	9.78		mg/kg dry	0.454	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 13:11	AGNR
7439-92-1	Lead	30.2		mg/kg dry	0.454	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 13:11	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 13:11	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.457	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	06/13/2024 13:35	06/14/2024 13:11	AGNR

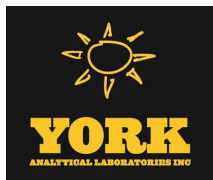
Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
---------	-----------	--------	------	-------	--------------------	----------	------------------	-----------------------	-----------------------	---------



Sample Information

Client Sample ID: SB-10 0.5-3 20240605

York Sample ID: 24F0413-10

York Project (SDG) No.
24F0413

Client Project ID
20240228

Matrix
Soil

Collection Date/Time
June 5, 2024 12:15 pm

Date Received
06/06/2024

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.101		mg/kg dry	0.0326	1	EPA 7473	06/08/2024 10:26	06/10/2024 15:28	AJL
							Certifications:	CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04		

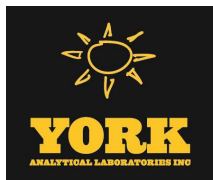
Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.9		%	0.100	1	SM 2540G	06/10/2024 12:35	06/10/2024 16:08	HLY
							Certifications:	CTDOH-PH-0723		



Analytical Batch Summary

Batch ID: BF40454 **Preparation Method:** EPA 3550C **Prepared By:** JLM

YORK Sample ID	Client Sample ID	Preparation Date
24F0413-02	SB-2 0.5-2 20240604	06/07/24
24F0413-02RE1	SB-2 0.5-2 20240604	06/07/24
24F0413-04	SB-4 2-3.5 20240604	06/07/24
24F0413-05	SB-5 2-3 20240604	06/07/24
24F0413-06	SB-6 0.5-3 20240604	06/07/24
24F0413-08	SB-8 2.5-3.5 20240605	06/07/24
24F0413-09	SB-9 2-2.5 20240605	06/07/24
24F0413-10	SB-10 0.5-3 20240605	06/07/24
BF40454-BLK1	Blank	06/07/24
BF40454-BS1	LCS	06/07/24
BF40454-MS1	Matrix Spike	06/07/24
BF40454-MSD1	Matrix Spike Dup	06/07/24

Batch ID: BF40455 **Preparation Method:** EPA 3550C **Prepared By:** JLM

YORK Sample ID	Client Sample ID	Preparation Date
24F0413-06	SB-6 0.5-3 20240604	06/07/24
24F0413-08	SB-8 2.5-3.5 20240605	06/07/24
BF40455-BLK2	Blank	06/07/24
BF40455-BS2	LCS	06/07/24
BF40455-MS2	Matrix Spike	06/07/24
BF40455-MSD2	Matrix Spike Dup	06/07/24

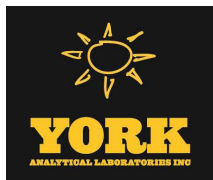
Batch ID: BF40529 **Preparation Method:** EPA 7473 soil **Prepared By:** DRS

YORK Sample ID	Client Sample ID	Preparation Date
24F0413-06	SB-6 0.5-3 20240604	06/08/24
24F0413-08	SB-8 2.5-3.5 20240605	06/08/24
24F0413-09	SB-9 2-2.5 20240605	06/08/24
24F0413-10	SB-10 0.5-3 20240605	06/08/24
BF40529-BLK1	Blank	06/08/24
BF40529-DUP1	Duplicate	06/08/24
BF40529-MS1	Matrix Spike	06/08/24
BF40529-SRM1	Reference	06/08/24

Batch ID: BF40564 **Preparation Method:** % Solids Prep **Prepared By:** HLY

YORK Sample ID	Client Sample ID	Preparation Date
24F0413-02	SB-2 0.5-2 20240604	06/10/24
BF40564-DUP1	Duplicate	06/10/24

Batch ID: BF40567 **Preparation Method:** % Solids Prep **Prepared By:** HLY



YORK Sample ID	Client Sample ID	Preparation Date
24F0413-04	SB-4 2-3.5 20240604	06/10/24
24F0413-05	SB-5 2-3 20240604	06/10/24
24F0413-06	SB-6 0.5-3 20240604	06/10/24
24F0413-08	SB-8 2.5-3.5 20240605	06/10/24
24F0413-09	SB-9 2-2.5 20240605	06/10/24
24F0413-10	SB-10 0.5-3 20240605	06/10/24
BF40567-DUP1	Duplicate	06/10/24

Batch ID: BF40617 **Preparation Method:** EPA 5035A **Prepared By:** BMC

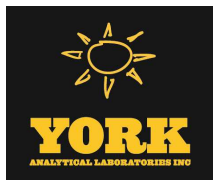
YORK Sample ID	Client Sample ID	Preparation Date
24F0413-02	SB-2 0.5-2 20240604	06/10/24
24F0413-04	SB-4 2-3.5 20240604	06/10/24
24F0413-05	SB-5 2-3 20240604	06/10/24
24F0413-06	SB-6 0.5-3 20240604	06/10/24
24F0413-08	SB-8 2.5-3.5 20240605	06/10/24
24F0413-09	SB-9 2-2.5 20240605	06/10/24
24F0413-10	SB-10 0.5-3 20240605	06/10/24
BF40617-BLK1	Blank	06/10/24
BF40617-BS1	LCS	06/10/24
BF40617-BSD1	LCS Dup	06/10/24

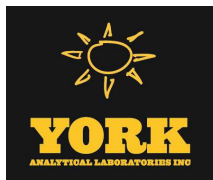
Batch ID: BF40706 **Preparation Method:** EPA 7473 soil **Prepared By:** DRS

YORK Sample ID	Client Sample ID	Preparation Date
24F0413-02	SB-2 0.5-2 20240604	06/11/24
24F0413-04	SB-4 2-3.5 20240604	06/11/24
24F0413-05	SB-5 2-3 20240604	06/11/24
BF40706-BLK1	Blank	06/11/24
BF40706-DUP1	Duplicate	06/11/24
BF40706-MS1	Matrix Spike	06/11/24
BF40706-SRM1	Reference	06/11/24

Batch ID: BF40879 **Preparation Method:** EPA 3050B **Prepared By:** JEF

YORK Sample ID	Client Sample ID	Preparation Date
24F0413-02	SB-2 0.5-2 20240604	06/13/24
24F0413-04	SB-4 2-3.5 20240604	06/13/24
24F0413-05	SB-5 2-3 20240604	06/13/24
24F0413-06	SB-6 0.5-3 20240604	06/13/24
24F0413-08	SB-8 2.5-3.5 20240605	06/13/24
24F0413-09	SB-9 2-2.5 20240605	06/13/24
24F0413-10	SB-10 0.5-3 20240605	06/13/24
BF40879-BLK1	Blank	06/13/24
BF40879-DUP1	Duplicate	06/13/24
BF40879-MS1	Matrix Spike	06/13/24
BF40879-PS1	Post Spike	06/13/24
BF40879-SRM1	Reference	06/13/24





Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

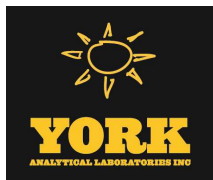
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BF40617 - EPA 5035A

Blank (BF40617-BLK1)

Prepared & Analyzed: 06/10/2024

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,1-Trichloroethane	ND	0.0050	"
1,1,2,2-Tetrachloroethane	ND	0.0050	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"
1,1,2-Trichloroethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,1-Dichloroethylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4-Trichlorobenzene	ND	0.0050	"
1,2,4-Trimethylbenzene	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3,5-Trimethylbenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2-Butanone	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Methyl-2-pentanone	ND	0.0050	"
Acetone	ND	0.010	"
Acrolein	ND	0.010	"
Acrylonitrile	ND	0.0050	"
Benzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"
Carbon disulfide	ND	0.0050	"
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
cis-1,2-Dichloroethylene	ND	0.0050	"
cis-1,3-Dichloropropylene	ND	0.0050	"
Cyclohexane	ND	0.0050	"
Dibromochloromethane	ND	0.0050	"
Dibromomethane	ND	0.0050	"
Dichlorodifluoromethane	ND	0.0050	"
Ethyl Benzene	ND	0.0050	"
Hexachlorobutadiene	ND	0.0050	"
Isopropylbenzene	ND	0.0050	"
Methyl acetate	ND	0.0050	"
Methyl tert-butyl ether (MTBE)	ND	0.0050	"
Methylcyclohexane	ND	0.0050	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	-----------------	-------	-------------	----------------	------	-------------	------	-----	-----------	------

Batch BF40617 - EPA 5035A

Blank (BF40617-BLK1)

Prepared & Analyzed: 06/10/2024

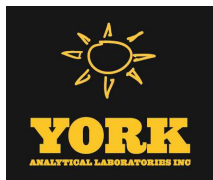
Methylene chloride	ND	0.010	mg/kg wet
n-Butylbenzene	ND	0.0050	"
n-Propylbenzene	ND	0.0050	"
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Butyl alcohol (TBA)	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Tetrachloroethylene	ND	0.0050	"
Toluene	ND	0.0050	"
trans-1,2-Dichloroethylene	ND	0.0050	"
trans-1,3-Dichloropropylene	ND	0.0050	"
trans-1,4-dichloro-2-butene	ND	0.0050	"
Trichloroethylene	ND	0.0050	"
Trichlorofluoromethane	ND	0.0050	"
Vinyl Chloride	ND	0.0050	"
Xylenes, Total	ND	0.015	"

Surrogate: SURR: 1,2-Dichloroethane-d4	55.3	ug/L	50.0	111	77-125
Surrogate: SURR: Toluene-d8	55.5	"	50.0	111	85-120
Surrogate: SURR: p-Bromofluorobenzene	47.1	"	50.0	94.2	76-130

LCS (BF40617-BS1)

Prepared & Analyzed: 06/10/2024

1,1,1,2-Tetrachloroethane	56	ug/L	50.0	113	75-129
1,1,1-Trichloroethane	48	"	50.0	96.0	71-137
1,1,2,2-Tetrachloroethane	53	"	50.0	107	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50	"	50.0	99.5	58-146
1,1,2-Trichloroethane	50	"	50.0	99.3	83-123
1,1-Dichloroethane	45	"	50.0	90.3	75-130
1,1-Dichloroethylene	53	"	50.0	106	64-137
1,2,3-Trichlorobenzene	50	"	50.0	99.0	81-140
1,2,3-Trichloropropane	53	"	50.0	106	81-126
1,2,4-Trichlorobenzene	52	"	50.0	103	80-141
1,2,4-Trimethylbenzene	54	"	50.0	109	84-125
1,2-Dibromo-3-chloropropane	48	"	50.0	96.8	74-142
1,2-Dibromoethane	54	"	50.0	108	86-123
1,2-Dichlorobenzene	52	"	50.0	104	85-122
1,2-Dichloroethane	49	"	50.0	98.9	71-133
1,2-Dichloropropane	52	"	50.0	105	81-122
1,3,5-Trimethylbenzene	54	"	50.0	107	82-126
1,3-Dichlorobenzene	51	"	50.0	102	84-124
1,4-Dichlorobenzene	51	"	50.0	101	84-124
1,4-Dioxane	960	"	1050	91.2	10-228
2-Butanone	46	"	50.0	91.1	58-147
2-Hexanone	72	"	50.0	145	70-139 High Bias
4-Methyl-2-pentanone	73	"	50.0	147	72-132 High Bias
Acetone	50	"	50.0	100	36-155
Acrolein	28	"	50.0	55.7	10-238
Acrylonitrile	57	"	50.0	114	66-141



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

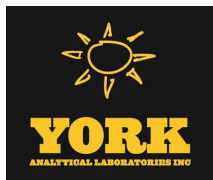
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BF40617 - EPA 5035A

LCS (BF40617-BS1)

Prepared & Analyzed: 06/10/2024

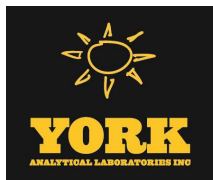
Benzene	45		ug/L	50.0		89.2	77-127				
Bromochloromethane	60		"	50.0		121	74-129				
Bromodichloromethane	50		"	50.0		99.8	81-124				
Bromoform	47		"	50.0		95.0	80-136				
Bromomethane	90		"	50.0		181	32-177	High Bias			
Carbon disulfide	43		"	50.0		86.4	10-136				
Carbon tetrachloride	54		"	50.0		109	66-143				
Chlorobenzene	51		"	50.0		101	86-120				
Chloroethane	75		"	50.0		150	51-142	High Bias			
Chloroform	43		"	50.0		86.8	76-131				
Chloromethane	60		"	50.0		121	49-132				
cis-1,2-Dichloroethylene	49		"	50.0		98.7	74-132				
cis-1,3-Dichloropropylene	49		"	50.0		98.7	81-129				
Cyclohexane	56		"	50.0		112	70-130				
Dibromochloromethane	56		"	50.0		113	10-200				
Dibromomethane	49		"	50.0		98.9	83-124				
Dichlorodifluoromethane	51		"	50.0		102	28-158				
Ethyl Benzene	53		"	50.0		105	84-125				
Hexachlorobutadiene	46		"	50.0		91.0	83-133				
Isopropylbenzene	51		"	50.0		101	81-127				
Methyl acetate	64		"	50.0		128	41-143				
Methyl tert-butyl ether (MTBE)	42		"	50.0		84.1	74-131				
Methylcyclohexane	51		"	50.0		102	70-130				
Methylene chloride	58		"	50.0		117	57-141				
n-Butylbenzene	55		"	50.0		110	80-130				
n-Propylbenzene	52		"	50.0		104	74-136				
o-Xylene	50		"	50.0		99.9	83-123				
p- & m- Xylenes	110		"	100		106	82-128				
p-Isopropyltoluene	52		"	50.0		105	85-125				
sec-Butylbenzene	51		"	50.0		102	83-125				
Styrene	49		"	50.0		98.9	86-126				
tert-Butyl alcohol (TBA)	230		"	250		90.2	70-130				
tert-Butylbenzene	50		"	50.0		99.1	80-127				
Tetrachloroethylene	45		"	50.0		89.9	80-129				
Toluene	51		"	50.0		101	85-121				
trans-1,2-Dichloroethylene	50		"	50.0		101	72-132				
trans-1,3-Dichloropropylene	44		"	50.0		87.7	78-132				
trans-1,4-dichloro-2-butene	54		"	50.0		107	75-135				
Trichloroethylene	50		"	50.0		99.4	84-123				
Trichlorofluoromethane	67		"	50.0		135	62-140				
Vinyl Chloride	61		"	50.0		121	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	55.9		"	50.0		112	77-125				
Surrogate: SURR: Toluene-d8	54.6		"	50.0		109	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.0		"	50.0		96.1	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF40617 - EPA 5035A											
LCS Dup (BF40617-BSD1)						Prepared & Analyzed: 06/10/2024					
1,1,1,2-Tetrachloroethane	57		ug/L	50.0		113	75-129		0.336	30	
1,1,1-Trichloroethane	49		"	50.0		97.5	71-137		1.57	30	
1,1,2,2-Tetrachloroethane	54		"	50.0		109	79-129		1.93	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49		"	50.0		98.3	58-146		1.19	30	
1,1,2-Trichloroethane	50		"	50.0		101	83-123		1.72	30	
1,1-Dichloroethane	46		"	50.0		91.5	75-130		1.32	30	
1,1-Dichloroethylene	50		"	50.0		100	64-137		6.26	30	
1,2,3-Trichlorobenzene	51		"	50.0		101	81-140		2.40	30	
1,2,3-Trichloropropane	54		"	50.0		108	81-126		1.03	30	
1,2,4-Trichlorobenzene	52		"	50.0		104	80-141		0.559	30	
1,2,4-Trimethylbenzene	56		"	50.0		111	84-125		2.22	30	
1,2-Dibromo-3-chloropropane	49		"	50.0		99.0	74-142		2.21	30	
1,2-Dibromoethane	55		"	50.0		110	86-123		1.87	30	
1,2-Dichlorobenzene	53		"	50.0		106	85-122		1.91	30	
1,2-Dichloroethane	50		"	50.0		101	71-133		1.78	30	
1,2-Dichloropropane	53		"	50.0		106	81-122		0.894	30	
1,3,5-Trimethylbenzene	55		"	50.0		110	82-126		2.36	30	
1,3-Dichlorobenzene	53		"	50.0		105	84-124		3.02	30	
1,4-Dichlorobenzene	52		"	50.0		104	84-124		2.87	30	
1,4-Dioxane	1000		"	1050		96.3	10-228		5.47	30	
2-Butanone	45		"	50.0		89.4	58-147		1.86	30	
2-Hexanone	73		"	50.0		146	70-139	High Bias	0.947	30	
4-Methyl-2-pentanone	75		"	50.0		150	72-132	High Bias	2.37	30	
Acetone	49		"	50.0		98.3	36-155		1.95	30	
Acrolein	27		"	50.0		53.7	10-238		3.69	30	
Acrylonitrile	58		"	50.0		116	66-141		1.53	30	
Benzene	45		"	50.0		89.9	77-127		0.804	30	
Bromochloromethane	60		"	50.0		121	74-129		0.166	30	
Bromodichloromethane	50		"	50.0		101	81-124		1.16	30	
Bromoform	47		"	50.0		94.1	80-136		0.867	30	
Bromomethane	91		"	50.0		183	32-177	High Bias	1.09	30	
Carbon disulfide	44		"	50.0		87.8	10-136		1.61	30	
Carbon tetrachloride	55		"	50.0		109	66-143		0.752	30	
Chlorobenzene	51		"	50.0		103	86-120		1.35	30	
Chloroethane	75		"	50.0		150	51-142	High Bias	0.0266	30	
Chloroform	44		"	50.0		87.7	76-131		0.940	30	
Chloromethane	60		"	50.0		121	49-132		0.265	30	
cis-1,2-Dichloroethylene	50		"	50.0		100	74-132		1.41	30	
cis-1,3-Dichloropropylene	50		"	50.0		99.9	81-129		1.15	30	
Cyclohexane	57		"	50.0		114	70-130		1.72	30	
Dibromochloromethane	57		"	50.0		113	10-200		0.655	30	
Dibromomethane	50		"	50.0		100	83-124		1.11	30	
Dichlorodifluoromethane	51		"	50.0		102	28-158		0.294	30	
Ethyl Benzene	53		"	50.0		107	84-125		1.40	30	
Hexachlorobutadiene	46		"	50.0		92.2	83-133		1.22	30	
Isopropylbenzene	52		"	50.0		104	81-127		2.94	30	
Methyl acetate	63		"	50.0		126	41-143		1.89	30	
Methyl tert-butyl ether (MTBE)	42		"	50.0		84.9	74-131		0.970	30	
Methylcyclohexane	51		"	50.0		103	70-130		0.625	30	
Methylene chloride	59		"	50.0		119	57-141		1.83	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

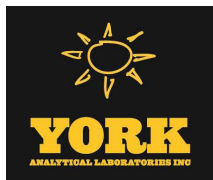
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BF40617 - EPA 5035A

LCS Dup (BF40617-BSD1)

Prepared & Analyzed: 06/10/2024

n-Butylbenzene	56		ug/L	50.0		113	80-130		2.08	30	
n-Propylbenzene	53		"	50.0		107	74-136		3.27	30	
o-Xylene	51		"	50.0		102	83-123		2.08	30	
p- & m- Xylenes	110		"	100		107	82-128		1.51	30	
p-Isopropyltoluene	54		"	50.0		108	85-125		3.66	30	
sec-Butylbenzene	52		"	50.0		105	83-125		3.08	30	
Styrene	51		"	50.0		101	86-126		2.30	30	
tert-Butyl alcohol (TBA)	200		"	250		81.9	70-130		9.66	30	
tert-Butylbenzene	51		"	50.0		102	80-127		2.94	30	
Tetrachloroethylene	46		"	50.0		91.6	80-129		1.83	30	
Toluene	51		"	50.0		102	85-121		0.825	30	
trans-1,2-Dichloroethylene	50		"	50.0		101	72-132		0.0199	30	
trans-1,3-Dichloropropylene	44		"	50.0		88.1	78-132		0.455	30	
trans-1,4-dichloro-2-butene	54		"	50.0		108	75-135		0.484	30	
Trichloroethylene	50		"	50.0		99.3	84-123		0.0201	30	
Trichlorofluoromethane	68		"	50.0		137	62-140		1.37	30	
Vinyl Chloride	62		"	50.0		125	52-130		2.85	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	56.3		"	50.0		113	77-125				
Surrogate: SURR: Toluene-d8	55.2		"	50.0		110	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.4		"	50.0		96.9	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BF40454 - EPA 3550C

Blank (BF40454-BLK1)

Prepared: 06/07/2024 Analyzed: 06/10/2024

Acenaphthene	ND	0.042	mg/kg wet
Acenaphthylene	ND	0.042	"
Anthracene	ND	0.042	"
Benzo(a)anthracene	ND	0.042	"
Benzo(a)pyrene	ND	0.042	"
Benzo(b)fluoranthene	ND	0.042	"
Benzo(g,h,i)perylene	ND	0.042	"
Benzo(k)fluoranthene	ND	0.042	"
Chrysene	ND	0.042	"
Dibenzo(a,h)anthracene	ND	0.042	"
Fluoranthene	ND	0.042	"
Fluorene	ND	0.042	"
Indeno(1,2,3-cd)pyrene	ND	0.042	"
Naphthalene	ND	0.042	"
Phenanthrene	ND	0.042	"
Pyrene	ND	0.042	"

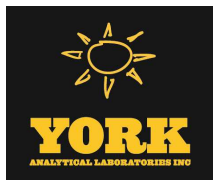
Surrogate: SURR: Nitrobenzene-d5	0.73	"	0.831	87.3	22-108
Surrogate: SURR: 2-Fluorobiphenyl	0.62	"	0.831	74.8	21-113
Surrogate: SURR: Terphenyl-d14	0.67	"	0.831	80.5	24-116

LCS (BF40454-BS1)

Prepared: 06/07/2024 Analyzed: 06/10/2024

Acenaphthene	0.65	0.042	mg/kg wet	0.831	77.7	17-124
Acenaphthylene	0.59	0.042	"	0.831	70.5	16-124
Anthracene	0.66	0.042	"	0.831	79.0	24-124
Benzo(a)anthracene	0.71	0.042	"	0.831	86.1	25-134
Benzo(a)pyrene	0.70	0.042	"	0.831	84.7	29-144
Benzo(b)fluoranthene	0.74	0.042	"	0.831	89.2	20-151
Benzo(g,h,i)perylene	0.70	0.042	"	0.831	84.5	10-153
Benzo(k)fluoranthene	0.68	0.042	"	0.831	82.2	10-148
Chrysene	0.67	0.042	"	0.831	80.2	24-116
Dibenzo(a,h)anthracene	0.73	0.042	"	0.831	87.6	17-147
Fluoranthene	0.67	0.042	"	0.831	80.7	36-125
Fluorene	0.68	0.042	"	0.831	81.9	16-130
Indeno(1,2,3-cd)pyrene	1.0	0.042	"	0.831	123	10-155
Naphthalene	0.65	0.042	"	0.831	78.1	20-121
Phenanthrene	0.65	0.042	"	0.831	78.8	24-123
Pyrene	0.68	0.042	"	0.831	81.9	24-132

Surrogate: SURR: Nitrobenzene-d5	0.72	"	0.831	86.4	22-108
Surrogate: SURR: 2-Fluorobiphenyl	0.60	"	0.831	72.8	21-113
Surrogate: SURR: Terphenyl-d14	0.65	"	0.831	78.6	24-116



Semivolatile Organic Compounds by GC/MS - Quality Control Data

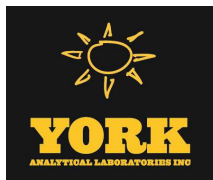
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	-----------------	-------	-------------	----------------	------	-------------	------	-----	-----------	------

Batch BF40454 - EPA 3550C

Matrix Spike (BF40454-MS1)		*Source sample: 24F0322-01 (Matrix Spike)					Prepared: 06/07/2024 Analyzed: 06/10/2024				
Acenaphthene	0.41	0.084	mg/kg dry	0.837	ND	48.6	13-133				
Acenaphthylene	0.34	0.084	"	0.837	ND	41.0	25-125				
Anthracene	0.39	0.084	"	0.837	ND	47.0	27-128				
Benzo(a)anthracene	0.46	0.084	"	0.837	ND	54.8	20-147				
Benzo(a)pyrene	0.43	0.084	"	0.837	ND	51.6	18-153				
Benzo(b)fluoranthene	0.46	0.084	"	0.837	ND	55.4	10-163				
Benzo(g,h,i)perylene	0.43	0.084	"	0.837	ND	50.9	10-157				
Benzo(k)fluoranthene	0.42	0.084	"	0.837	ND	50.5	10-157				
Chrysene	0.41	0.084	"	0.837	ND	49.4	18-133				
Dibenzo(a,h)anthracene	0.43	0.084	"	0.837	ND	51.7	10-146				
Fluoranthene	0.43	0.084	"	0.837	ND	51.0	10-155				
Fluorene	0.41	0.084	"	0.837	ND	48.8	12-150				
Indeno(1,2,3-cd)pyrene	0.62	0.084	"	0.837	ND	73.6	10-155				
Naphthalene	0.40	0.084	"	0.837	ND	47.6	15-132				
Phenanthrene	0.42	0.084	"	0.837	ND	50.3	10-151				
Pyrene	0.42	0.084	"	0.837	ND	50.4	13-148				
Surrogate: SURR: Nitrobenzene-d5		0.39	"	0.837		47.1	22-108				
Surrogate: SURR: 2-Fluorobiphenyl		0.35	"	0.837		41.8	21-113				
Surrogate: SURR: Terphenyl-d14		0.38	"	0.837		45.0	24-116				

Matrix Spike Dup (BF40454-MSD1)		*Source sample: 24F0322-01 (Matrix Spike Dup)					Prepared: 06/07/2024 Analyzed: 06/10/2024				
Acenaphthene	0.39	0.084	mg/kg dry	0.837	ND	46.4	13-133	4.55	30		
Acenaphthylene	0.34	0.084	"	0.837	ND	40.7	25-125	0.588	30		
Anthracene	0.39	0.084	"	0.837	ND	47.0	27-128	0.00	30		
Benzo(a)anthracene	0.45	0.084	"	0.837	ND	54.2	20-147	1.03	30		
Benzo(a)pyrene	0.42	0.084	"	0.837	ND	50.0	18-153	3.15	30		
Benzo(b)fluoranthene	0.43	0.084	"	0.837	ND	51.8	10-163	6.71	30		
Benzo(g,h,i)perylene	0.40	0.084	"	0.837	ND	47.5	10-157	6.83	30		
Benzo(k)fluoranthene	0.42	0.084	"	0.837	ND	49.8	10-157	1.44	30		
Chrysene	0.40	0.084	"	0.837	ND	47.5	18-133	3.96	30		
Dibenzo(a,h)anthracene	0.42	0.084	"	0.837	ND	49.8	10-146	3.62	30		
Fluoranthene	0.43	0.084	"	0.837	ND	51.0	10-155	0.00	30		
Fluorene	0.40	0.084	"	0.837	ND	47.8	12-150	2.15	30		
Indeno(1,2,3-cd)pyrene	0.58	0.084	"	0.837	ND	68.9	10-155	6.63	30		
Naphthalene	0.39	0.084	"	0.837	ND	47.1	15-132	1.01	30		
Phenanthrene	0.41	0.084	"	0.837	ND	48.8	10-151	3.07	30		
Pyrene	0.43	0.084	"	0.837	ND	51.3	13-148	1.73	30		
Surrogate: SURR: Nitrobenzene-d5		0.39	"	0.837		46.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl		0.36	"	0.837		42.6	21-113				
Surrogate: SURR: Terphenyl-d14		0.40	"	0.837		47.3	24-116				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	-----------------	-------	-------------	----------------	------	-------------	------	-----	-----------	------

Batch BF40455 - EPA 3550C

Blank (BF40455-BLK2)

Prepared: 06/07/2024 Analyzed: 06/08/2024

Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0542		"	0.0664		81.5	30-140				
Surrogate: Decachlorobiphenyl	0.0399		"	0.0664		60.0	30-140				

LCS (BF40455-BS2)

Prepared: 06/07/2024 Analyzed: 06/08/2024

Aroclor 1016	0.271	0.0166	mg/kg wet	0.332		81.5	40-130				
Aroclor 1260	0.278	0.0166	"	0.332		83.6	40-130				
Surrogate: Tetrachloro-m-xylene	0.0512		"	0.0664		77.0	30-140				
Surrogate: Decachlorobiphenyl	0.0389		"	0.0664		58.5	30-140				

Matrix Spike (BF40455-MS2)

*Source sample: 24F0407-05 (Matrix Spike)

Prepared: 06/07/2024 Analyzed: 06/08/2024

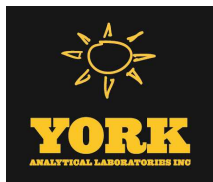
Aroclor 1016	0.101	0.0176	mg/kg dry	0.352	ND	28.6	40-140	Low Bias			
Aroclor 1260	0.185	0.0176	"	0.352	ND	52.5	40-140				
Surrogate: Tetrachloro-m-xylene	0.0500		"	0.0705		71.0	30-140				
Surrogate: Decachlorobiphenyl	0.0391		"	0.0705		55.5	30-140				

Matrix Spike Dup (BF40455-MSD2)

*Source sample: 24F0407-05 (Matrix Spike Dup)

Prepared: 06/07/2024 Analyzed: 06/08/2024

Aroclor 1016	0.0940	0.0176	mg/kg dry	0.352	ND	26.7	40-140	Low Bias	7.09	50	
Aroclor 1260	0.179	0.0176	"	0.352	ND	50.7	40-140		3.41	50	
Surrogate: Tetrachloro-m-xylene	0.0504		"	0.0705		71.5	30-140				
Surrogate: Decachlorobiphenyl	0.0377		"	0.0705		53.5	30-140				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BF40879 - EPA 3050B

Blank (BF40879-BLK1)

Prepared: 06/13/2024 Analyzed: 06/14/2024

Arsenic	ND	1.25	mg/kg wet
Barium	ND	2.08	"
Cadmium	ND	0.250	"
Chromium	ND	0.417	"
Lead	ND	0.417	"
Selenium	ND	2.08	"
Silver	ND	0.420	"

Duplicate (BF40879-DUP1)

*Source sample: 24F0415-01 (Duplicate)

Prepared: 06/13/2024 Analyzed: 06/14/2024

Arsenic	10.8	1.84	mg/kg dry	10.5	2.73	35
Barium	73.8	3.06	"	86.7	16.1	35
Cadmium	ND	0.368	"	0.381		35
Chromium	13.7	0.614	"	14.5	5.83	35
Lead	366	0.614	"	358	2.31	35
Selenium	ND	3.07	"	ND		35
Silver	ND	0.618	"	ND		35

Matrix Spike (BF40879-MS1)

*Source sample: 24F0415-01 (Matrix Spike)

Prepared: 06/13/2024 Analyzed: 06/14/2024

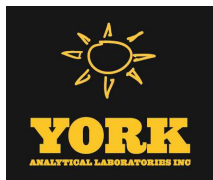
Arsenic	207	1.84	mg/kg dry	245	10.5	80.0	75-125	
Barium	277	3.06	"	245	86.7	77.6	75-125	
Cadmium	5.15	0.368	"	6.14	0.381	77.7	75-125	
Chromium	32.5	0.614	"	24.5	14.5	73.2	75-125	Low Bias
Lead	388	0.614	"	61.4	358	50.1	75-125	Low Bias
Selenium	200	3.07	"	245	ND	81.7	75-125	
Silver	2.95	0.618	"	6.14	ND	48.1	75-125	Low Bias

Post Spike (BF40879-PS1)

*Source sample: 24F0415-01 (Post Spike)

Prepared: 06/13/2024 Analyzed: 06/14/2024

Arsenic	2.04	mg/L	2.00	0.085	97.6	75-125	
Barium	2.75	"	2.00	0.706	102	75-125	
Cadmium	0.050	"	0.0500	0.003	93.8	75-125	
Chromium	0.313	"	0.200	0.118	97.2	75-125	
Lead	3.28	"	0.500	2.91	73.2	75-125	Low Bias
Selenium	2.00	"	2.00	0.022	98.9	75-125	
Silver	0.039	"	0.0500	-0.017	78.8	75-125	



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

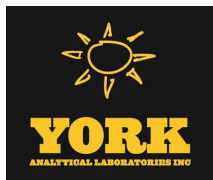
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BF40879 - EPA 3050B

Reference (BF40879-SRM1)

Prepared: 06/13/2024 Analyzed: 06/14/2024

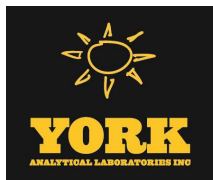
Arsenic	288	1.25	mg/kg wet	360		80.0	70.6-102.2				
Barium	292	2.08	"	332		88.1	75-108.1				
Cadmium	203	0.250	"	238		85.4	73.5-105				
Chromium	170	0.417	"	199		85.6	73.4-107				
Lead	82.8	0.417	"	100		82.8	75.9-110				
Selenium	156	2.08	"	170		91.5	78.2-115.9				
Silver	67.4	0.420	"	88.6		76.1	73.9-112				



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF40529 - EPA 7473 soil											
Blank (BF40529-BLK1)											
						Prepared: 06/08/2024 Analyzed: 06/10/2024					
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BF40529-DUP1)											
*Source sample: 24F0233-01 (Duplicate)						Prepared: 06/08/2024 Analyzed: 06/10/2024					
Mercury	ND	0.0362	mg/kg dry		ND					35	
Matrix Spike (BF40529-MS1)											
*Source sample: 24F0233-01 (Matrix Spike)						Prepared: 06/08/2024 Analyzed: 06/10/2024					
Mercury	0.442		mg/kg	0.500	0.00420	87.6	75-125				
Reference (BF40529-SRM1)											
						Prepared: 06/08/2024 Analyzed: 06/10/2024					
Mercury	19.062		mg/kg	18.2		105	59.9-140.1				
Batch BF40706 - EPA 7473 soil											
Blank (BF40706-BLK1)											
						Prepared & Analyzed: 06/11/2024					
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BF40706-DUP1)											
*Source sample: 24F0405-01 (Duplicate)						Prepared & Analyzed: 06/11/2024					
Mercury	0.0832	0.0333	mg/kg dry		0.0529				44.5	35	Non-dir.
Matrix Spike (BF40706-MS1)											
*Source sample: 24F0405-01 (Matrix Spike)						Prepared & Analyzed: 06/11/2024					
Mercury	0.386		mg/kg	0.500	0.0477	67.6	75-125	Low Bias			
Reference (BF40706-SRM1)											
						Prepared & Analyzed: 06/11/2024					
Mercury	17.627		mg/kg	18.2		96.8	59.9-140.1				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

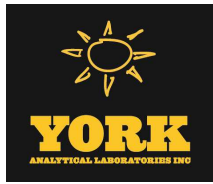
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BF40564 - % Solids Prep

Duplicate (BF40564-DUP1)		*Source sample: 24F0405-02 (Duplicate)						Prepared & Analyzed: 06/10/2024			
% Solids	95.0	0.100	%		95.4				0.463	20	

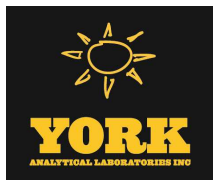
Batch BF40567 - % Solids Prep

Duplicate (BF40567-DUP1)		*Source sample: 24F0433-01 (Duplicate)						Prepared & Analyzed: 06/10/2024			
% Solids	95.3	0.100	%		95.1				0.205	20	



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24F0413-02	SB-2 0.5-2 20240604	40mL Vial with Stir Bar-Cool 4° C
24F0413-04	SB-4 2-3.5 20240604	40mL Vial with Stir Bar-Cool 4° C
24F0413-05	SB-5 2-3 20240604	40mL Vial with Stir Bar-Cool 4° C
24F0413-06	SB-6 0.5-3 20240604	40mL Vial with Stir Bar-Cool 4° C
24F0413-08	SB-8 2.5-3.5 20240605	40mL Vial with Stir Bar-Cool 4° C
24F0413-09	SB-9 2-2.5 20240605	40mL Vial with Stir Bar-Cool 4° C
24F0413-10	SB-10 0.5-3 20240605	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

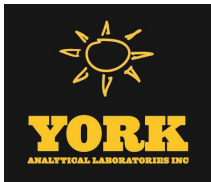
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

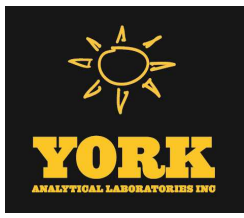
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.



Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



Technical Report

prepared for:

PVE, LLC.
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Conor Tarbell

Report Date: 06/17/2024
Client Project ID: 20240228
York Project (SDG) No.: 24F0432

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 06/17/2024
Client Project ID: 20240228
York Project (SDG) No.: 24F0432

PVE, LLC.
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Conor Tarbell

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 07, 2024 and listed below. The project was identified as your project: **20240228**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24F0432-01	SV-1 20240604	Soil Vapor	06/04/2024	06/07/2024
24F0432-02	SV-2 20240604	Soil Vapor	06/04/2024	06/07/2024
24F0432-03	SV-3 20240604	Soil Vapor	06/04/2024	06/07/2024
24F0432-04	SV-4 20240604	Soil Vapor	06/04/2024	06/07/2024
24F0432-05	SSV-1 20240605	Soil Vapor	06/05/2024	06/07/2024
24F0432-06	SSV-2 20240605	Soil Vapor	06/05/2024	06/07/2024

General Notes for York Project (SDG) No.: 24F0432

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

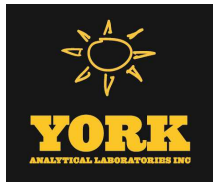
Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 06/17/2024





Sample Information

Client Sample ID: SV-1 20240604

York Sample ID: 24F0432-01

York Project (SDG) No.

24F0432

Client Project ID

20240228

Matrix

Soil Vapor

Collection Date/Time

June 4, 2024 10:50 am

Date Received

06/07/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	2.26		ug/m ³	1.41	6.04	EPA TO-15	06/13/2024 12:00	06/14/2024 05:23	DRP
Certifications:										

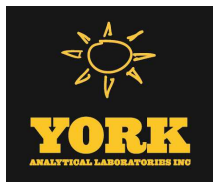
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	4.1	6.04	EPA TO-15	06/13/2024 12:00	06/14/2024 05:23	DRP
Certifications:										
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	3.3	6.04	EPA TO-15	06/13/2024 12:00	06/14/2024 05:23	DRP
Certifications: NELAC-NY12058,NJDEP-NY037										
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	4.1	6.04	EPA TO-15	06/13/2024 12:00	06/14/2024 05:23	DRP
Certifications: NELAC-NY12058,NJDEP-NY037										
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	4.6	6.04	EPA TO-15	06/13/2024 12:00	06/14/2024 05:23	DRP
Certifications: NELAC-NY12058,NJDEP-NY037										
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	3.3	6.04	EPA TO-15	06/13/2024 12:00	06/14/2024 05:23	DRP
Certifications: NELAC-NY12058,NJDEP-NY037										
75-34-3	1,1-Dichloroethane	ND		ug/m ³	2.4	6.04	EPA TO-15	06/13/2024 12:00	06/14/2024 05:23	DRP
Certifications: NELAC-NY12058,NJDEP-NY037										
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.60	6.04	EPA TO-15	06/13/2024 12:00	06/14/2024 05:23	DRP
Certifications: NELAC-NY12058,NJDEP-NY037										
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	4.5	6.04	EPA TO-15	06/13/2024 12:00	06/14/2024 05:23	DRP
Certifications: NELAC-NY12058,NJDEP-NY037										
95-63-6	1,2,4-Trimethylbenzene	24		ug/m ³	3.0	6.04	EPA TO-15	06/13/2024 12:00	06/14/2024 05:23	DRP
Certifications: NELAC-NY12058,NJDEP-NY037										
106-93-4	1,2-Dibromoethane	ND		ug/m ³	4.6	6.04	EPA TO-15	06/13/2024 12:00	06/14/2024 05:23	DRP
Certifications: NELAC-NY12058,NJDEP-NY037										
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	3.6	6.04	EPA TO-15	06/13/2024 12:00	06/14/2024 05:23	DRP
Certifications: NELAC-NY12058,NJDEP-NY037										
107-06-2	1,2-Dichloroethane	ND		ug/m ³	2.4	6.04	EPA TO-15	06/13/2024 12:00	06/14/2024 05:23	DRP
Certifications: NELAC-NY12058,NJDEP-NY037										
78-87-5	1,2-Dichloropropane	ND		ug/m ³	2.8	6.04	EPA TO-15	06/13/2024 12:00	06/14/2024 05:23	DRP
Certifications: NELAC-NY12058,NJDEP-NY037										
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	4.2	6.04	EPA TO-15	06/13/2024 12:00	06/14/2024 05:23	DRP
Certifications: NELAC-NY12058,NJDEP-NY037										
108-67-8	1,3,5-Trimethylbenzene	5.6		ug/m ³	3.0	6.04	EPA TO-15	06/13/2024 12:00	06/14/2024 05:23	DRP
Certifications: NELAC-NY12058,NJDEP-NY037										



Sample Information

Client Sample ID: SV-1 20240604

York Sample ID: 24F0432-01

York Project (SDG) No.
24F0432

Client Project ID
20240228

Matrix
Soil Vapor

Collection Date/Time
June 4, 2024 10:50 am

Date Received
06/07/2024

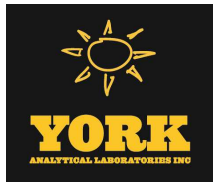
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-99-0	1,3-Butadiene	ND		ug/m ³	4.0	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	3.6	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	2.8	6.04	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 05:23	DRP
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	3.6	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
123-91-1	1,4-Dioxane	ND		ug/m ³	4.4	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
78-93-3	2-Butanone	5.2		ug/m ³	1.8	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
591-78-6	* 2-Hexanone	ND		ug/m ³	4.9	6.04	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 05:23	DRP
107-05-1	3-Chloropropene	ND		ug/m ³	9.5	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	2.5	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
67-64-1	Acetone	320		ug/m ³	2.9	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
107-13-1	Acrylonitrile	ND		ug/m ³	1.3	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
71-43-2	Benzene	3.9		ug/m ³	1.9	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
100-44-7	Benzyl chloride	ND		ug/m ³	3.1	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
75-27-4	Bromodichloromethane	ND		ug/m ³	4.0	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
75-25-2	Bromoform	ND		ug/m ³	6.2	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
74-83-9	Bromomethane	ND		ug/m ³	2.3	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
75-15-0	Carbon disulfide	2.8		ug/m ³	1.9	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.95	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
108-90-7	Chlorobenzene	ND		ug/m ³	2.8	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP



Sample Information

Client Sample ID: SV-1 20240604

York Sample ID: 24F0432-01

York Project (SDG) No.

24F0432

Client Project ID

20240228

Matrix

Soil Vapor

Collection Date/Time

June 4, 2024 10:50 am

Date Received

06/07/2024

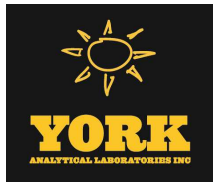
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/m ³	1.6	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
67-66-3	Chloroform	ND		ug/m ³	2.9	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
74-87-3	Chloromethane	ND		ug/m ³	1.2	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.60	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	2.7	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
110-82-7	Cyclohexane	4.4		ug/m ³	2.1	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
124-48-1	Dibromochloromethane	ND		ug/m ³	5.1	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
75-71-8	Dichlorodifluoromethane	3.0		ug/m ³	3.0	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
141-78-6	* Ethyl acetate	ND		ug/m ³	4.4	6.04	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 05:23	DRP
100-41-4	Ethyl Benzene	41		ug/m ³	2.6	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
87-68-3	Hexachlorobutadiene	ND		ug/m ³	6.4	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
67-63-0	Isopropanol	ND		ug/m ³	3.0	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
80-62-6	Methyl Methacrylate	ND		ug/m ³	2.5	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	2.2	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
75-09-2	Methylene chloride	ND		ug/m ³	4.2	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
91-20-3	* Naphthalene	ND		ug/m ³	6.3	6.04	EPA TO-15 Certifications: NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
142-82-5	n-Heptane	6.4		ug/m ³	2.5	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
110-54-3	n-Hexane	10		ug/m ³	2.1	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
95-47-6	o-Xylene	18		ug/m ³	2.6	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
179601-23-1	p- & m- Xylenes	45		ug/m ³	5.2	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP



Sample Information

Client Sample ID: SV-1 20240604			York Sample ID: 24F0432-01		
York Project (SDG) No. 24F0432	Client Project ID 20240228	Matrix Soil Vapor	Collection Date/Time June 4, 2024 10:50 am	Date Received 06/07/2024	

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
622-96-8	* p-Ethyltoluene	24		ug/m³	3.0	6.04	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 05:23	DRP
115-07-1	* Propylene	ND		ug/m³	1.0	6.04	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 05:23	DRP
100-42-5	Styrene	ND		ug/m³	2.6	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
127-18-4	Tetrachloroethylene	27		ug/m³	4.1	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
109-99-9	* Tetrahydrofuran	ND		ug/m³	3.6	6.04	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 05:23	DRP
108-88-3	Toluene	32		ug/m³	2.3	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	2.4	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	2.7	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
79-01-6	Trichloroethylene	ND		ug/m³	0.81	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
75-69-4	Trichlorofluoromethane (Freon 11)	6.8		ug/m³	3.4	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
108-05-4	Vinyl acetate	ND		ug/m³	2.1	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
593-60-2	Vinyl bromide	ND		ug/m³	2.6	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP
75-01-4	Vinyl Chloride	ND		ug/m³	0.77	6.04	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 05:23	DRP

Sample Information

Client Sample ID: SV-2 20240604			York Sample ID: 24F0432-02		
York Project (SDG) No. 24F0432	Client Project ID 20240228	Matrix Soil Vapor	Collection Date/Time June 4, 2024 10:54 am	Date Received 06/07/2024	

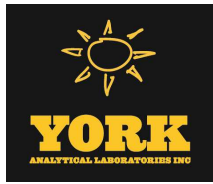
VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	3.71		ug/m³	0.742	3.176	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 06:13	DRP



Sample Information

Client Sample ID: SV-2 20240604

York Sample ID: 24F0432-02

York Project (SDG) No.

24F0432

Client Project ID

20240228

Matrix

Soil Vapor

Collection Date/Time

June 4, 2024 10:54 am

Date Received

06/07/2024

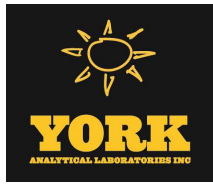
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	2.2	3.176	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 06:13	DRP
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	1.7	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	2.2	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	2.4	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.7	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.3	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.31	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	2.4	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
95-63-6	1,2,4-Trimethylbenzene	35		ug/m ³	1.6	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
106-93-4	1,2-Dibromoethane	ND		ug/m ³	2.4	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.9	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.3	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
78-87-5	1,2-Dichloropropane	ND		ug/m ³	1.5	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	2.2	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
108-67-8	1,3,5-Trimethylbenzene	7.8		ug/m ³	1.6	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
106-99-0	1,3-Butadiene	3.4		ug/m ³	2.1	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.9	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	1.5	3.176	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 06:13	DRP
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.9	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP



Sample Information

Client Sample ID: SV-2 20240604

York Sample ID: 24F0432-02

York Project (SDG) No.

24F0432

Client Project ID

20240228

Matrix

Soil Vapor

Collection Date/Time

June 4, 2024 10:54 am

Date Received

06/07/2024

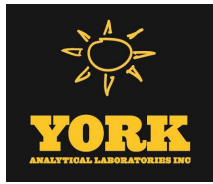
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/m ³	2.3	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
78-93-3	2-Butanone	6.7		ug/m ³	0.94	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
591-78-6	* 2-Hexanone	3.4		ug/m ³	2.6	3.176	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 06:13	DRP
107-05-1	3-Chloropropene	ND		ug/m ³	5.0	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	1.3	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
67-64-1	Acetone	280		ug/m ³	1.5	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
107-13-1	Acrylonitrile	ND		ug/m ³	0.69	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
71-43-2	Benzene	8.1		ug/m ³	1.0	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
100-44-7	Benzyl chloride	2.5		ug/m ³	1.6	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
75-27-4	Bromodichloromethane	ND		ug/m ³	2.1	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
75-25-2	Bromoform	ND		ug/m ³	3.3	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
74-83-9	Bromomethane	ND		ug/m ³	1.2	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
75-15-0	Carbon disulfide	3.0		ug/m ³	0.99	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
56-23-5	Carbon tetrachloride	7.4		ug/m ³	0.50	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
108-90-7	Chlorobenzene	ND		ug/m ³	1.5	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
75-00-3	Chloroethane	ND		ug/m ³	0.84	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
67-66-3	Chloroform	ND		ug/m ³	1.6	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
74-87-3	Chloromethane	ND		ug/m ³	0.66	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.31	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	1.4	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP



Sample Information

Client Sample ID: SV-2 20240604

York Sample ID: 24F0432-02

York Project (SDG) No.

24F0432

Client Project ID

20240228

Matrix

Soil Vapor

Collection Date/Time

June 4, 2024 10:54 am

Date Received

06/07/2024

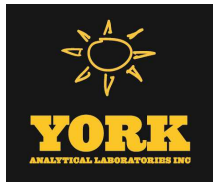
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	15		ug/m ³	1.1	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
124-48-1	Dibromochloromethane	ND		ug/m ³	2.7	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
75-71-8	Dichlorodifluoromethane	3.5		ug/m ³	1.6	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
141-78-6	* Ethyl acetate	ND		ug/m ³	2.3	3.176	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 06:13	DRP
100-41-4	Ethyl Benzene	54		ug/m ³	1.4	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
87-68-3	Hexachlorobutadiene	ND		ug/m ³	3.4	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
67-63-0	Isopropanol	ND		ug/m ³	1.6	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
80-62-6	Methyl Methacrylate	ND		ug/m ³	1.3	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.1	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
75-09-2	Methylene chloride	ND		ug/m ³	2.2	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
91-20-3	* Naphthalene	ND		ug/m ³	3.3	3.176	EPA TO-15 Certifications: NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
142-82-5	n-Heptane	28		ug/m ³	1.3	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
110-54-3	n-Hexane	46		ug/m ³	1.1	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
95-47-6	o-Xylene	25		ug/m ³	1.4	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
179601-23-1	p- & m- Xylenes	62		ug/m ³	2.8	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
622-96-8	* p-Ethyltoluene	36		ug/m ³	1.6	3.176	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 06:13	DRP
115-07-1	* Propylene	ND		ug/m ³	0.55	3.176	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 06:13	DRP
100-42-5	Styrene	1.8		ug/m ³	1.4	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
127-18-4	Tetrachloroethylene	17		ug/m ³	2.2	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
109-99-9	* Tetrahydrofuran	ND		ug/m ³	1.9	3.176	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 06:13	DRP



Sample Information

Client Sample ID: SV-2 20240604

York Sample ID: 24F0432-02

York Project (SDG) No.

24F0432

Client Project ID

20240228

Matrix

Soil Vapor

Collection Date/Time

June 4, 2024 10:54 am

Date Received

06/07/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	47		ug/m ³	1.2	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	1.3	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	1.4	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
79-01-6	Trichloroethylene	0.51		ug/m ³	0.43	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
75-69-4	Trichlorofluoromethane (Freon 11)	2.9		ug/m ³	1.8	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
108-05-4	Vinyl acetate	ND		ug/m ³	1.1	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
593-60-2	Vinyl bromide	ND		ug/m ³	1.4	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP
75-01-4	Vinyl Chloride	0.49		ug/m ³	0.41	3.176	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 06:13	DRP

Sample Information

Client Sample ID: SV-3 20240604

York Sample ID: 24F0432-03

York Project (SDG) No.

24F0432

Client Project ID

20240228

Matrix

Soil Vapor

Collection Date/Time

June 4, 2024 11:18 am

Date Received

06/07/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	4.52		ug/m ³	3.77	16.13	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 03:41	YR

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	11	16.13	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 03:41	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	8.8	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	11	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR



Sample Information

Client Sample ID: SV-3 20240604

York Sample ID: 24F0432-03

York Project (SDG) No.
24F0432

Client Project ID
20240228

Matrix
Soil Vapor

Collection Date/Time
June 4, 2024 11:18 am

Date Received
06/07/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	12	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	8.8	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
75-34-3	1,1-Dichloroethane	ND		ug/m ³	6.5	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	1.6	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
120-82-1	1,2,4-Trichlorobenzene	ND	TO-LC S-L	ug/m ³	12	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
95-63-6	1,2,4-Trimethylbenzene	36		ug/m ³	7.9	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	12	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	9.7	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
107-06-2	1,2-Dichloroethane	ND		ug/m ³	6.5	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	7.5	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	11	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
108-67-8	1,3,5-Trimethylbenzene	8.7		ug/m ³	7.9	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	11	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	9.7	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	7.5	16.13	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 03:41	YR
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	9.7	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	12	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
78-93-3	2-Butanone	10		ug/m ³	4.8	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	13	16.13	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 03:41	YR



Sample Information

Client Sample ID: SV-3 20240604

York Sample ID: 24F0432-03

York Project (SDG) No.
24F0432

Client Project ID
20240228

Matrix
Soil Vapor

Collection Date/Time
June 4, 2024 11:18 am

Date Received
06/07/2024

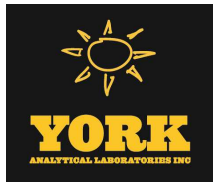
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	25	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	6.6	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
67-64-1	Acetone	530	B	ug/m ³	19	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
107-13-1	Acrylonitrile	5.3		ug/m ³	3.5	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
71-43-2	Benzene	17		ug/m ³	5.2	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
100-44-7	Benzyl chloride	ND		ug/m ³	8.4	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	11	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
75-25-2	Bromoform	ND		ug/m ³	17	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
74-83-9	Bromomethane	ND	TO-LC S-L	ug/m ³	6.3	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
75-15-0	Carbon disulfide	ND		ug/m ³	5.0	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.5	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
108-90-7	Chlorobenzene	ND		ug/m ³	7.4	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
75-00-3	Chloroethane	ND	TO-CC V, TO-LC S-L	ug/m ³	4.3	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
67-66-3	Chloroform	ND		ug/m ³	7.9	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
74-87-3	Chloromethane	ND		ug/m ³	3.3	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
156-59-2	cis-1,2-Dichloroethylene	4.5		ug/m ³	1.6	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	7.3	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
110-82-7	Cyclohexane	8.9		ug/m ³	5.6	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	14	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR



Sample Information

Client Sample ID: SV-3 20240604

York Sample ID: 24F0432-03

York Project (SDG) No.

24F0432

Client Project ID

20240228

Matrix

Soil Vapor

Collection Date/Time

June 4, 2024 11:18 am

Date Received

06/07/2024

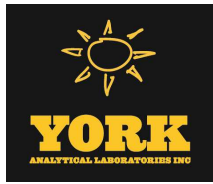
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	8.0	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
141-78-6	* Ethyl acetate	ND		ug/m ³	12	16.13	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 03:41	YR
100-41-4	Ethyl Benzene	66		ug/m ³	7.0	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
87-68-3	Hexachlorobutadiene	ND	TO-LC S-L	ug/m ³	17	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
67-63-0	Isopropanol	ND		ug/m ³	7.9	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	6.6	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	5.8	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
75-09-2	Methylene chloride	ND		ug/m ³	11	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
91-20-3	* Naphthalene	ND	TO-LC S-L	ug/m ³	17	16.13	EPA TO-15 Certifications: NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
142-82-5	n-Heptane	28		ug/m ³	6.6	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
110-54-3	n-Hexane	39		ug/m ³	5.7	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
95-47-6	o-Xylene	27		ug/m ³	7.0	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
179601-23-1	p- & m- Xylenes	73		ug/m ³	14	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
622-96-8	* p-Ethyltoluene	35		ug/m ³	7.9	16.13	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 03:41	YR
115-07-1	* Propylene	ND		ug/m ³	2.8	16.13	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 03:41	YR
100-42-5	Styrene	ND		ug/m ³	6.9	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
127-18-4	Tetrachloroethylene	4900		ug/m ³	22	32.26	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/14/2024 07:03	DRP
109-99-9	* Tetrahydrofuran	ND		ug/m ³	9.5	16.13	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 03:41	YR
108-88-3	Toluene	58		ug/m ³	6.1	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
156-60-5	trans-1,2-Dichloroethylene	17		ug/m ³	6.4	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR



Sample Information

Client Sample ID: SV-3 20240604			York Sample ID: 24F0432-03		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24F0432	20240228	Soil Vapor	June 4, 2024 11:18 am	06/07/2024	

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	7.3	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
79-01-6	Trichloroethylene	100	TO-LC S-L	ug/m³	2.2	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
75-69-4	Trichlorofluoromethane (Freon 11)	13		ug/m³	9.1	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
108-05-4	Vinyl acetate	ND	TO-LC S-L	ug/m³	5.7	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
593-60-2	Vinyl bromide	ND		ug/m³	7.1	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR
75-01-4	Vinyl Chloride	ND		ug/m³	2.1	16.13	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 03:41	YR

Sample Information

Client Sample ID: SV-4 20240604			York Sample ID: 24F0432-04		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24F0432	20240228	Soil Vapor	June 4, 2024 11:24 am	06/07/2024	

VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	4.95		ug/m³	3.54	15.15	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 04:34	YR

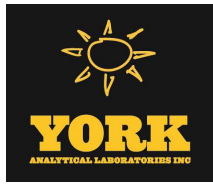
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	10	15.15	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 04:34	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	8.3	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	10	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	12	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR



Sample Information

Client Sample ID: SV-4 20240604

York Sample ID: 24F0432-04

York Project (SDG) No.

24F0432

Client Project ID

20240228

Matrix

Soil Vapor

Collection Date/Time

June 4, 2024 11:24 am

Date Received

06/07/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	8.3	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
75-34-3	1,1-Dichloroethane	ND		ug/m ³	6.1	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	1.5	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
120-82-1	1,2,4-Trichlorobenzene	ND	TO-LC S-L	ug/m ³	11	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
95-63-6	1,2,4-Trimethylbenzene	36		ug/m ³	7.4	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	12	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	9.1	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
107-06-2	1,2-Dichloroethane	ND		ug/m ³	6.1	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	7.0	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	11	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
108-67-8	1,3,5-Trimethylbenzene	8.2		ug/m ³	7.4	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	10	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	9.1	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	7.0	15.15	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 04:34	YR
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	9.1	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	11	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
78-93-3	2-Butanone	14		ug/m ³	4.5	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	12	15.15	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 04:34	YR
107-05-1	3-Chloropropene	ND		ug/m ³	24	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR



Sample Information

Client Sample ID: SV-4 20240604

York Sample ID: 24F0432-04

York Project (SDG) No.
24F0432

Client Project ID
20240228

Matrix
Soil Vapor

Collection Date/Time
June 4, 2024 11:24 am

Date Received
06/07/2024

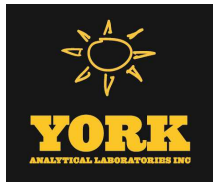
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	6.2	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
67-64-1	Acetone	540	B	ug/m ³	18	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
107-13-1	Acrylonitrile	ND		ug/m ³	3.3	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
71-43-2	Benzene	390		ug/m ³	4.8	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
100-44-7	Benzyl chloride	10		ug/m ³	7.8	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
75-27-4	Bromodichloromethane	13		ug/m ³	10	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
75-25-2	Bromoform	ND		ug/m ³	16	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
74-83-9	Bromomethane	ND	TO-LC S-L	ug/m ³	5.9	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
75-15-0	Carbon disulfide	ND		ug/m ³	4.7	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.4	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
108-90-7	Chlorobenzene	ND		ug/m ³	7.0	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
75-00-3	Chloroethane	ND	TO-CC V, TO-LC S-L	ug/m ³	4.0	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
67-66-3	Chloroform	84		ug/m ³	7.4	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
74-87-3	Chloromethane	ND		ug/m ³	3.1	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
156-59-2	cis-1,2-Dichloroethylene	2.4		ug/m ³	1.5	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	6.9	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
110-82-7	Cyclohexane	9.9		ug/m ³	5.2	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	13	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	7.5	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR



Sample Information

Client Sample ID: SV-4 20240604

York Sample ID: 24F0432-04

York Project (SDG) No.

24F0432

Client Project ID

20240228

Matrix

Soil Vapor

Collection Date/Time

June 4, 2024 11:24 am

Date Received

06/07/2024

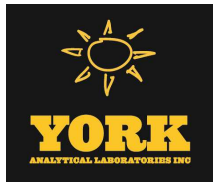
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	* Ethyl acetate	ND		ug/m ³	11	15.15	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 04:34	YR
100-41-4	Ethyl Benzene	66		ug/m ³	6.6	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
87-68-3	Hexachlorobutadiene	ND	TO-LC S-L	ug/m ³	16	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
67-63-0	Isopropanol	ND		ug/m ³	7.4	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	6.2	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	5.5	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
75-09-2	Methylene chloride	ND		ug/m ³	11	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
91-20-3	* Naphthalene	ND	TO-LC S-L	ug/m ³	16	15.15	EPA TO-15 Certifications: NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
142-82-5	n-Heptane	22		ug/m ³	6.2	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
110-54-3	n-Hexane	35		ug/m ³	5.3	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
95-47-6	o-Xylene	28		ug/m ³	6.6	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
179601-23-1	p- & m- Xylenes	72		ug/m ³	13	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
622-96-8	* p-Ethyltoluene	34		ug/m ³	7.4	15.15	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 04:34	YR
115-07-1	* Propylene	ND		ug/m ³	2.6	15.15	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 04:34	YR
100-42-5	Styrene	ND		ug/m ³	6.5	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
127-18-4	Tetrachloroethylene	1800		ug/m ³	10	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
109-99-9	* Tetrahydrofuran	ND		ug/m ³	8.9	15.15	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 04:34	YR
108-88-3	Toluene	110		ug/m ³	5.7	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	6.0	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	6.9	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR



Sample Information

Client Sample ID: SV-4 20240604

York Sample ID: 24F0432-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24F0432

20240228

Soil Vapor

June 4, 2024 11:24 am

06/07/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND	TO-LC S-L	ug/m ³	2.0	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
75-69-4	Trichlorofluoromethane (Freon 11)	8.5		ug/m ³	8.5	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
108-05-4	Vinyl acetate	ND	TO-LC S-L	ug/m ³	5.3	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
593-60-2	Vinyl bromide	ND		ug/m ³	6.6	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	1.9	15.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 04:34	YR

Sample Information

Client Sample ID: SSV-1 20240605

York Sample ID: 24F0432-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24F0432

20240228

Soil Vapor

June 5, 2024 12:43 pm

06/07/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	ND		ug/m ³	3.32	14.21	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 05:24	YR

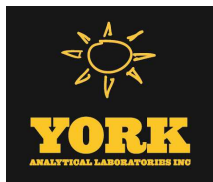
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	9.8	14.21	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 05:24	YR
71-55-6	1,1,1-Trichloroethane	7.8		ug/m ³	7.8	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	9.8	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	11	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	7.8	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR



Sample Information

Client Sample ID: SSV-1 20240605

York Sample ID: 24F0432-05

York Project (SDG) No.
24F0432

Client Project ID
20240228

Matrix
Soil Vapor

Collection Date/Time
June 5, 2024 12:43 pm

Date Received
06/07/2024

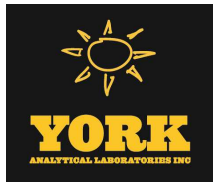
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/m ³	5.8	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	1.4	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
120-82-1	1,2,4-Trichlorobenzene	ND	TO-LC S-L	ug/m ³	11	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
95-63-6	1,2,4-Trimethylbenzene	7.7		ug/m ³	7.0	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	11	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	8.5	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
107-06-2	1,2-Dichloroethane	ND		ug/m ³	5.8	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	6.6	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	9.9	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	7.0	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	9.4	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	8.5	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	6.6	14.21	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 05:24	YR
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	8.5	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	10	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
78-93-3	2-Butanone	5.0		ug/m ³	4.2	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	12	14.21	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 05:24	YR
107-05-1	3-Chloropropene	ND		ug/m ³	22	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	5.8	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR



Sample Information

Client Sample ID: SSV-1 20240605

York Sample ID: 24F0432-05

York Project (SDG) No.

24F0432

Client Project ID

20240228

Matrix

Soil Vapor

Collection Date/Time

June 5, 2024 12:43 pm

Date Received

06/07/2024

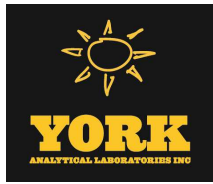
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	85	B	ug/m ³	17	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
107-13-1	Acrylonitrile	ND		ug/m ³	3.1	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
71-43-2	Benzene	ND		ug/m ³	4.5	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
100-44-7	Benzyl chloride	ND		ug/m ³	7.4	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	9.5	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
75-25-2	Bromoform	ND		ug/m ³	15	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
74-83-9	Bromomethane	ND	TO-LC S-L	ug/m ³	5.5	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
75-15-0	Carbon disulfide	ND		ug/m ³	4.4	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.2	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
108-90-7	Chlorobenzene	ND		ug/m ³	6.5	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
75-00-3	Chloroethane	ND	TO-CC V, TO-LC S-L	ug/m ³	3.7	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
67-66-3	Chloroform	9.0		ug/m ³	6.9	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
74-87-3	Chloromethane	ND		ug/m ³	2.9	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
156-59-2	cis-1,2-Dichloroethylene	83		ug/m ³	1.4	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	6.4	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
110-82-7	Cyclohexane	ND		ug/m ³	4.9	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	12	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
75-71-8	Dichlorodifluoromethane	7.7		ug/m ³	7.0	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
141-78-6	* Ethyl acetate	ND		ug/m ³	10	14.21	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 05:24	YR



Sample Information

Client Sample ID: SSV-1 20240605

York Sample ID: 24F0432-05

York Project (SDG) No.

24F0432

Client Project ID

20240228

Matrix

Soil Vapor

Collection Date/Time

June 5, 2024 12:43 pm

Date Received

06/07/2024

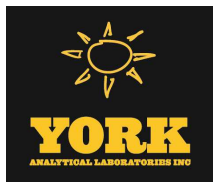
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	9.3		ug/m ³	6.2	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
87-68-3	Hexachlorobutadiene	ND	TO-LC S-L	ug/m ³	15	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
67-63-0	Isopropanol	ND		ug/m ³	7.0	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	5.8	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	5.1	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
75-09-2	Methylene chloride	ND		ug/m ³	9.9	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
91-20-3	* Naphthalene	ND	TO-LC S-L	ug/m ³	15	14.21	EPA TO-15 Certifications: NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
142-82-5	n-Heptane	7.0		ug/m ³	5.8	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
110-54-3	n-Hexane	8.5		ug/m ³	5.0	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
95-47-6	o-Xylene	ND		ug/m ³	6.2	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
179601-23-1	p- & m- Xylenes	ND		ug/m ³	12	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
622-96-8	* p-Ethyltoluene	ND		ug/m ³	7.0	14.21	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 05:24	YR
115-07-1	* Propylene	ND		ug/m ³	2.4	14.21	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 05:24	YR
100-42-5	Styrene	ND		ug/m ³	6.1	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
127-18-4	Tetrachloroethylene	7400		ug/m ³	19	28.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/14/2024 07:55	DRP
109-99-9	* Tetrahydrofuran	ND		ug/m ³	8.4	14.21	EPA TO-15 Certifications:	06/09/2024 10:00	06/11/2024 05:24	YR
108-88-3	Toluene	8.0		ug/m ³	5.4	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	5.6	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	6.4	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR



Sample Information

Client Sample ID: SSV-1 20240605

York Sample ID: 24F0432-05

York Project (SDG) No.
24F0432

Client Project ID
20240228

Matrix
Soil Vapor

Collection Date/Time
June 5, 2024 12:43 pm

Date Received
06/07/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	220	TO-LC S-L	ug/m ³	1.9	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
75-69-4	Trichlorofluoromethane (Freon 11)	22		ug/m ³	8.0	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
108-05-4	Vinyl acetate	ND	TO-LC S-L	ug/m ³	5.0	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
593-60-2	Vinyl bromide	ND		ug/m ³	6.2	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	1.8	14.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/09/2024 10:00	06/11/2024 05:24	YR

Sample Information

Client Sample ID: SSV-2 20240605

York Sample ID: 24F0432-06

York Project (SDG) No.
24F0432

Client Project ID
20240228

Matrix
Soil Vapor

Collection Date/Time
June 5, 2024 12:52 pm

Date Received
06/07/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	1.38		ug/m ³	1.38	5.912	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 15:45	DRP

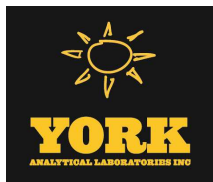
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	4.1	5.912	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 15:45	DRP
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	3.2	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	4.1	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	4.5	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	3.2	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP



Sample Information

Client Sample ID: SSV-2 20240605

York Sample ID: 24F0432-06

York Project (SDG) No.
24F0432

Client Project ID
20240228

Matrix
Soil Vapor

Collection Date/Time
June 5, 2024 12:52 pm

Date Received
06/07/2024

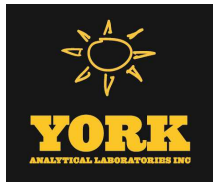
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/m ³	2.4	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.59	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	4.4	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
95-63-6	1,2,4-Trimethylbenzene	9.0		ug/m ³	2.9	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
106-93-4	1,2-Dibromoethane	ND		ug/m ³	4.5	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	3.6	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
107-06-2	1,2-Dichloroethane	ND		ug/m ³	2.4	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
78-87-5	1,2-Dichloropropane	ND		ug/m ³	2.7	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	4.1	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	2.9	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
106-99-0	1,3-Butadiene	ND		ug/m ³	3.9	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	3.6	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	2.7	5.912	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 15:45	DRP
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	3.6	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
123-91-1	1,4-Dioxane	ND		ug/m ³	4.3	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
78-93-3	2-Butanone	9.9		ug/m ³	1.7	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
591-78-6	* 2-Hexanone	ND		ug/m ³	4.8	5.912	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 15:45	DRP
107-05-1	3-Chloropropene	ND		ug/m ³	9.3	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	2.4	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP



Sample Information

Client Sample ID: SSV-2 20240605

York Sample ID: 24F0432-06

York Project (SDG) No.

24F0432

Client Project ID

20240228

Matrix

Soil Vapor

Collection Date/Time

June 5, 2024 12:52 pm

Date Received

06/07/2024

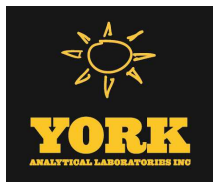
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	170		ug/m ³	2.8	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
107-13-1	Acrylonitrile	ND		ug/m ³	1.3	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
71-43-2	Benzene	3.0		ug/m ³	1.9	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
100-44-7	Benzyl chloride	ND		ug/m ³	3.1	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
75-27-4	Bromodichloromethane	ND		ug/m ³	4.0	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
75-25-2	Bromoform	ND		ug/m ³	6.1	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
74-83-9	Bromomethane	ND		ug/m ³	2.3	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
75-15-0	Carbon disulfide	ND		ug/m ³	1.8	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.93	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
108-90-7	Chlorobenzene	ND		ug/m ³	2.7	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
75-00-3	Chloroethane	ND		ug/m ³	1.6	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
67-66-3	Chloroform	ND		ug/m ³	2.9	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
74-87-3	Chloromethane	ND		ug/m ³	1.2	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
156-59-2	cis-1,2-Dichloroethylene	1.6		ug/m ³	0.59	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	2.7	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
110-82-7	Cyclohexane	2.6		ug/m ³	2.0	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
124-48-1	Dibromochloromethane	ND		ug/m ³	5.0	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
75-71-8	Dichlorodifluoromethane	8.8		ug/m ³	2.9	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
141-78-6	* Ethyl acetate	ND		ug/m ³	4.3	5.912	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 15:45	DRP



Sample Information

Client Sample ID: SSV-2 20240605

York Sample ID: 24F0432-06

York Project (SDG) No.
24F0432

Client Project ID
20240228

Matrix
Soil Vapor

Collection Date/Time
June 5, 2024 12:52 pm

Date Received
06/07/2024

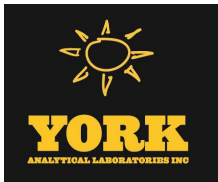
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	11		ug/m ³	2.6	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
87-68-3	Hexachlorobutadiene	ND		ug/m ³	6.3	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
67-63-0	Isopropanol	ND		ug/m ³	2.9	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
80-62-6	Methyl Methacrylate	ND		ug/m ³	2.4	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	2.1	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
75-09-2	Methylene chloride	ND		ug/m ³	4.1	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
91-20-3	* Naphthalene	ND		ug/m ³	6.2	5.912	EPA TO-15 Certifications: NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
142-82-5	n-Heptane	5.8		ug/m ³	2.4	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
110-54-3	n-Hexane	6.7		ug/m ³	2.1	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
95-47-6	o-Xylene	6.2		ug/m ³	2.6	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
179601-23-1	p- & m- Xylenes	14		ug/m ³	5.1	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
622-96-8	* p-Ethyltoluene	7.3		ug/m ³	2.9	5.912	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 15:45	DRP
115-07-1	* Propylene	5.7		ug/m ³	1.0	5.912	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 15:45	DRP
100-42-5	Styrene	ND		ug/m ³	2.5	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
127-18-4	Tetrachloroethylene	890		ug/m ³	4.0	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
109-99-9	* Tetrahydrofuran	ND		ug/m ³	3.5	5.912	EPA TO-15 Certifications:	06/13/2024 12:00	06/14/2024 15:45	DRP
108-88-3	Toluene	10		ug/m ³	2.2	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	2.3	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	2.7	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
79-01-6	Trichloroethylene	33		ug/m ³	0.79	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP



Sample Information

Client Sample ID: SSV-2 20240605		York Sample ID: 24F0432-06		
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24F0432	20240228	Soil Vapor	June 5, 2024 12:52 pm	06/07/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane (Freon 11)	24		ug/m³	3.3	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
108-05-4	Vinyl acetate	ND		ug/m³	2.1	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
593-60-2	Vinyl bromide	ND		ug/m³	2.6	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP
75-01-4	Vinyl Chloride	ND		ug/m³	0.76	5.912	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	06/13/2024 12:00	06/14/2024 15:45	DRP





Sample and Data Qualifiers Relating to This Work Order

TO-LCS-L	The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
TO-CCV	The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).
QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon current NELAC/TNI Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.



Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.
