

November 5, 2024

Mountco Construction & Development
ATTN: Joel Mounty
700 White Plains Road, Suite 363
Scarsdale, New York 10583

Re: **Supplemental Soil Investigation Report;** Parcel B & Portion of Parcel A, 41 North 2nd Street, City of Hudson, Columbia County, New York 12534
Tax ID #109.35-2-19 – Parcel B (Approx. 1.4 acres)
Tax ID #109.35-2-19 – Portion of Parcel A (Approx. 0.76 acres)
PVE File #20240218

Dear Mr. Mounty:

Partridge Venture Engineering, PC, dba PVE Engineering (PVE) has completed the Supplemental Soil Investigation at the above referenced property (Figures 1 & 2). As discussed, our objective was to further evaluate soil quality in support of our New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Application. Below is a summary of field activities, analytical data and recommendations.

1.0 FIELD ACTIVITIES

1.1 Geophysical Survey and Private Utility Mark Out

A geophysical services contractor was retained to conduct a mark-out to screen the proposed boring locations for utilities or anomalies which may interfere with drilling activities. Sample locations were adjusted accordingly, and field activities were completed on October 22, 2024.

1.2 Soil Borings and Sample Collection

On October 22, 2024, PVE completed a total of fifteen (15) soil borings throughout the subject property (Figure 3). These soil borings (SB-23 to SB-37) 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 8-feet below ground surface (bgs).

The project geologist 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. From the fifteen (15) installed soil borings, a total of ten (10) soil samples were collected. 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:

- Commissioner Policy-51 (CP-51) Semi-Volatile Organic Compounds (SVOCs) via USEPA Method 8270; &
- RCRA Metals via USEPA Methods 6010 & 7473.

As discussed in the approved scope of work, if any petroleum or elevated PID readings were observed, soil samples were to be submitted to the laboratory for analysis of VOCs via USEPA Method 8260. PID readings are reported in Section 2.2 below. As no elevated PID readings, staining or olfactory indications of contamination were observed, no soil samples were submitted to the laboratory for VOCs analysis.

2.0 SAMPLING RESULTS

Analytical results from soil samples are summarized in Tables 1-2 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.

2.1 SVOCs

SVOCs were detected in eight (8) of the ten (10) soil samples collected and analyzed. SVOCs were detected in two (2) of the ten (10) soil samples at concentrations exceeding both UUSCOs and RRSCOs. Exceedances are defined below:

- SB-25 (0.5-3-feet)
 - Benzo(k)fluoranthene (0.94 mg/kg)
 - Chrysene (1.2 mg/kg)
 - **Indeno(1,2,3-cd)pyrene (0.63 mg/kg)**
- SB-27 (0.5-2-feet)
 - Benzo(k)fluoranthene (0.81 mg/kg)
 - Chrysene (1.4 mg/kg)
 - **Indeno(1,2,3-c,d)pyrene (0.58 mg/kg)**

Bold font indicates RRSCO exceedance.

2.2 Metals

Metals were detected in all ten (10) soil samples collected and analyzed. Metals were detected in five (5) of the ten (10) soil samples at concentrations exceeding UUSCOs; metals were not detected in soil samples at concentrations exceeding RRSCOs. Exceedances are defined below:

- SB-23 (0.5-2-feet)
 - Chromium, Total (38.3 mg/kg)
- SB-27 (0.5-2-feet)
 - Chromium, Total (46.4 mg/kg)
- SB-33 (0.5-2-feet)
 - Mercury (0.470 mg/kg)
- SB-34 (0.5-3-feet)
 - Arsenic (15.1 mg/kg)
 - Chromium, Total (39.5 mg/kg)

- SB-37 (0.5-2-feet)
 - Chromium, Total (31.7 mg/kg)
 - Mercury (0.475 mg/kg)

2.2 Soil Boring Summary

Boring SB-23 was advanced to 8.0 feet bgs. Soil consisted of brown silt, some clay, little gravel. Groundwater was not encountered at the time of drilling (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-24 was advanced to 8.0 feet bgs. Soil consisted of brown silt, some clay and fill. Fill material consisted of brick fragments. Groundwater was not encountered ATD. No elevated PID readings were observed. One (1) soil sample was collected from 1.0-3.0 feet bgs for laboratory analysis.

Boring SB-25 was advanced to 4.2 feet bgs. Soil consisted of dark brown fine, medium sand, some silt, some gravel, little fractured rock. 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-26 was advanced via to 4.0 feet bgs. Soil consisted of dark brown fine, medium sand, some silt, some gravel. Groundwater was not encountered ATD. No elevated PID readings were observed. One (1) soil sample was collected from 0.5-1.5 feet bgs for laboratory analysis.

Boring SB-27 was advanced to 4.0 feet bgs. Soil consisted of brown silt, some clay. Groundwater was not encountered ATD. No elevated PID readings were observed. No soil sample was collected.

Boring SB-28 was advanced to 4.0 feet bgs. Soil consisted of brown silt, some clay, little gravel, comingled with fill. Fill material consisted of brick fragments and ash. 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-29 was advanced to 4.0 feet bgs. Soil consisted of brown silt, some clay. Groundwater was not encountered ATD. No elevated PID readings were observed. No soil sample was collected.

Boring SB-30 was advanced to 8.0 feet bgs. Soil consisted of brown silt, some clay, some gravel. Groundwater was not encountered ATD. No elevated PID readings were observed. No soil sample was collected.

Boring SB-31 was advanced to 4.0 feet bgs. Soil consisted of brown silt, some clay, little gravel. Groundwater was not encountered ATD. No elevated PID readings were observed. No soil sample was collected.

Boring SB-32 was advanced to 4.0 feet bgs. Soil consisted of brown fine, medium and coarse sand, some silt, some gravel. 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-33 was advanced to 4.0 feet bgs. Soil consisted of brown/dark brown fine, medium and coarse sand, some silt, some gravel. 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-34 was advanced to 4.0 feet bgs. Soil consisted of brown/dark brown to gray clay, some silt, little gravel, moist. 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-35 was advanced to 4.0 feet bgs. Soil consisted of brown silt, some clay, little fine sand. Groundwater was not encountered ATD. No elevated PID readings were observed. No soil sample was collected.

Boring SB-36 was advanced to 4.0 feet bgs. Soil consisted of brown silt, some clay. Groundwater was not encountered ATD. No elevated PID readings were observed. No soil sample was collected.

Boring SB-37 was advanced to 4.0 feet bgs. Soil consisted of brown silt, some clay, comingled with fill. Fill consisted of glass and coal fragments. 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.

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

3.0 DISCUSSION and CONCLUSIONS

1. Fifteen (15) soil borings were installed throughout the subject property during this supplemental investigation. One (1) soil sample was collected from ten (10) of the fifteen (15) soil borings for laboratory analysis.
2. SVOCs were detected in two (2) of the ten (10) soil samples at concentrations exceeding both UUSCOs and RRSCOs.
3. Metals were detected in five (5) of the ten (10) soil samples at concentrations exceeding UUSCOs; no metals were detected in soil samples at concentrations exceeding RRSCOs.

4.0 RECOMMENDATIONS

1. SVOCs and metals were detected in soil samples at concentrations suggesting the past site operations have adversely impacted the subject property. Two (2) soil samples contained one (1) or more contaminants at concentrations exceeding the intended use criteria for soil, the RRSCOs.
2. Redevelopment of the Site will require special handling, testing and potentially off-site disposal of contaminated soils.

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

Sincerely,

PVE Engineering

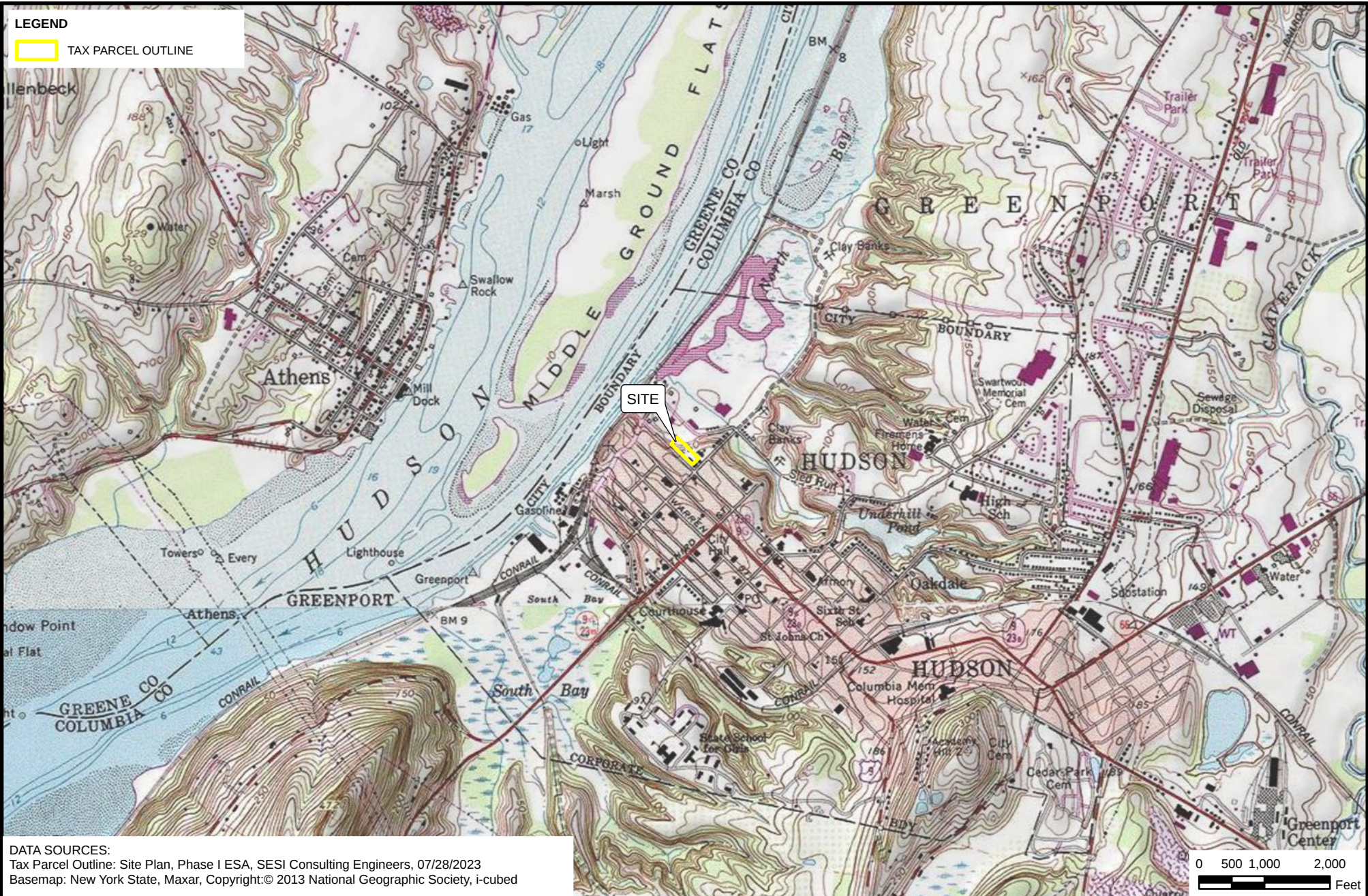


Conor B. Tarbell, QEP
Regional Director of Environmental Services

Attachments:

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

FIGURES



48 Springside Avenue
Poughkeepsie, NY 12603
Office: 845.454.2544
Fax: 845.454.2655

SITE LOCATION MAP

PARCEL B, 41 NORTH 2ND STREET
CITY OF HUDSON, COLUMBIA COUNTY, NEW YORK

PROJECT NO.

20240218



FIGURE 1

DATE: 05/24/2024

SCALE: AS INDICATED

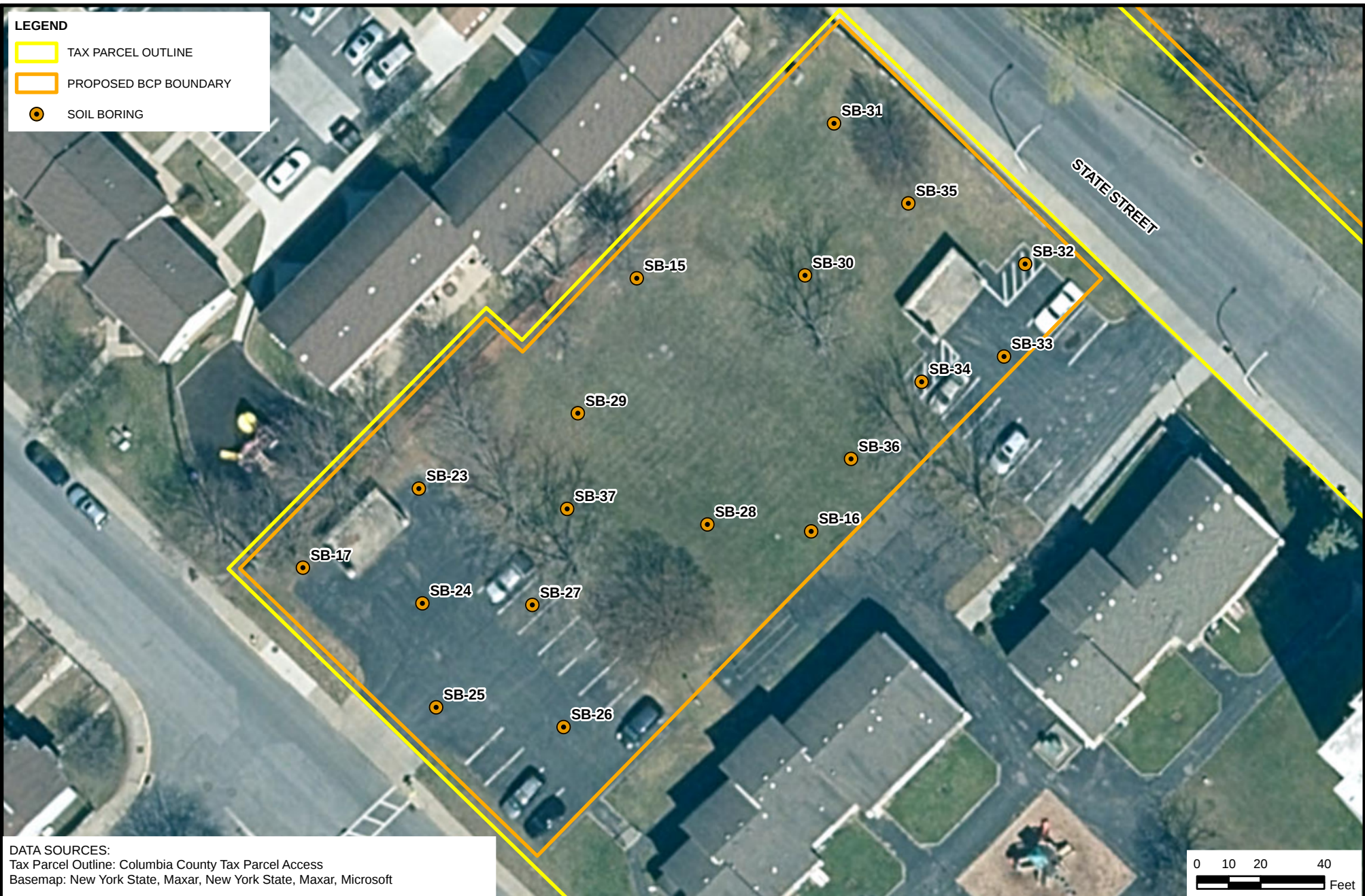
PROJECTION: STATE PLANE NAD83 NY EAST

ALL LOCATIONS APPROXIMATE



DATA SOURCES:
Tax Parcel Outline: Columbia County, Tax parcel Viewer Map, 03/22/2024
Basemap: New York State, Maxar, New York State, Maxar, Microsoft

 48 Springside Avenue Poughkeepsie, NY 12603 Office: 845.454.2544 Fax: 845.454.2655	SELECTED SITE FEATURES PARCEL A PARTIAL & B, 41 NORTH 2ND STREET CITY OF HUDSON, COLUMBIA COUNTY, NEW YORK	PROJECT NO.	FIGURE 2
		20240218	DATE: 05/24/2024
		N 	SCALE: AS INDICATED
			PROJECTION: STATE PLANE NAD83 NY EAST
			ALL LOCATIONS APPROXIMATE



48 Springside Avenue
Poughkeepsie, NY 12603
Office: 845.454.2544
Fax: 845.454.2655

SAMPLE LOCATION MAP

41 NORTH 2ND STREET
CITY OF HUDSON, COLUMBIA COUNTY, NEW YORK

PROJECT NO.

20240218

N



FIGURE 3

DATE: 11/04/2024

SCALE: AS INDICATED

PROJECTION: STATE PLANE NAD83 NY EAST

ALL LOCATIONS APPROXIMATE

TABLES

Table 1 - SVOCs in Soil Samples
 Compared to UUSCOs and RRSCOs per 6 NYCRR Part 375
 41 North 2nd Street, Hudson, New York
 PVE File #20240218

Date Sampled					10/22/2024					10/22/2024					10/22/2024					10/22/2024					10/22/2024					10/22/2024					10/22/2024					10/22/2024					10/22/2024									
Location					SB-23					SB-24					SB-25					SB-26					SB-27					SB-28					SB-32					SB-33					SB-34					SB-37				
Sample ID					SB-23 0.5-2 20241022					SB-24 1-3 20241022					SB-25 0.5-3 20241022					SB-26 0.5-1.5 20241022					SB-27 0.5-2 20241022					SB-28 0.5-2 20241022					SB-32 0.5-2 20241022					SB-33 0.5-2 20241022					SB-34 0.5-3 20241022					SB-37 0.5-2 20241022				
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	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q																			
SW8270	Acenaphthene	83-32-9	20	100	mg/kg	ND< 0.060	mg/kg	U	ND< 0.055	mg/kg	U	ND< 0.044	mg/kg	U	ND< 0.042	mg/kg	U	ND< 0.058	mg/kg	U	ND< 0.053	mg/kg	U	ND< 0.043	mg/kg	U	ND< 0.044	mg/kg	U	ND< 0.061	mg/kg	U	ND< 0.048	mg/kg	U																			
SW8270	Acenaphthylene	208-96-8	100	100	mg/kg	ND< 0.060	mg/kg	U	ND< 0.055	mg/kg	U	ND< 0.044	mg/kg	U	ND< 0.042	mg/kg	U	ND< 0.058	mg/kg	U	ND< 0.053	mg/kg	U	ND< 0.043	mg/kg	U	ND< 0.044	mg/kg	U	ND< 0.061	mg/kg	U	ND< 0.048	mg/kg	U																			
SW8270	Anthracene	120-12-7	100	100	mg/kg	ND< 0.060	mg/kg	U	ND< 0.055	mg/kg	U	0.12	mg/kg	U	0.052	mg/kg	J	0.21	mg/kg	U	ND< 0.053	mg/kg	U	0.13	mg/kg	U	0.051	mg/kg	J	ND< 0.061	mg/kg	U	ND< 0.048	mg/kg	U																			
SW8270	Benzo(A)Anthracene	56-55-3	1	1	mg/kg	ND< 0.060	mg/kg	U	ND< 0.055	mg/kg	U	0.84	mg/kg	U	0.28	mg/kg	U	0.88	mg/kg	U	ND< 0.053	mg/kg	U	0.63	mg/kg	U	0.25	mg/kg	U	ND< 0.061	mg/kg	U	ND< 0.048	mg/kg	U																			
SW8270	Benzo(A)Pyrene	50-32-8	1	1	mg/kg	ND< 0.060	mg/kg	U	ND< 0.055	mg/kg	U	0.84	mg/kg	U	0.29	mg/kg	U	0.96	mg/kg	U	ND< 0.053	mg/kg	U	0.60	mg/kg	U	0.26	mg/kg	U	ND< 0.061	mg/kg	U	ND< 0.048	mg/kg	U																			
SW8270	Benzo(B)Fluoranthene	205-99-2	1	1	mg/kg	ND< 0.060	mg/kg	U	ND< 0.055	mg/kg	U	0.89	mg/kg	U	0.25	mg/kg	U	0.82	mg/kg	U	ND< 0.053	mg/kg	U	0.51	mg/kg	U	0.24	mg/kg	U	ND< 0.061	mg/kg	U	ND< 0.048	mg/kg	U																			
SW8270	Benzo(G,H,I)Perylene	191-24-2	100	100	mg/kg	ND< 0.060	mg/kg	U	ND< 0.055	mg/kg	U	0.66	mg/kg	U	0.17	mg/kg	U	0.65	mg/kg	U	0.14	mg/kg	U	0.39	mg/kg	U	0.19	mg/kg	U	ND< 0.061	mg/kg	U	ND< 0.048	mg/kg	U																			
SW8270	Benzo(K)Fluoranthene	207-08-9	0.8	3.9	mg/kg	ND< 0.060	mg/kg	U	ND< 0.055	mg/kg	U	0.94	mg/kg	U	0.24	mg/kg	U	0.81	mg/kg	U	ND< 0.053	mg/kg	U	0.49	mg/kg	U	0.23	mg/kg	U	ND< 0.061	mg/kg	U	0.049	mg/kg	J																			
SW8270	Chrysene	218-01-9	1	3.9	mg/kg	0.068	mg/kg	J	ND< 0.055	mg/kg	U	1.2	mg/kg	U	0.30	mg/kg	U	1.4	mg/kg	U	ND< 0.053	mg/kg	U	0.98	mg/kg	U	0.46	mg/kg	U	ND< 0.061	mg/kg	U	0.050	mg/kg	J																			
SW8270	Dibenz(A,H)Anthracene	53-70-3	0.33	0.33	mg/kg	ND< 0.060	mg/kg	U	ND< 0.055	mg/kg	U	0.29	mg/kg	U	0.072	mg/kg	J	0.23	mg/kg	U	ND< 0.053	mg/kg	U	0.19	mg/kg	U	0.084	mg/kg	J	ND< 0.061	mg/kg	U	ND< 0.048	mg/kg	U																			
SW8270	Fluoranthene	206-44-0	100	100	mg/kg	0.093	mg/kg	J	ND< 0.055	mg/kg	U	1.7	mg/kg	U	0.62	mg/kg	U	2.1	mg/kg	U	ND< 0.053	mg/kg	U	1.4	mg/kg	U	0.68	mg/kg	U	ND< 0.061	mg/kg	U	0.070	mg/kg	J																			
SW8270	Fluorene	86-73-7	30	100	mg/kg	ND< 0.060	mg/kg	U	ND< 0.055	mg/kg	U	ND< 0.044	mg/kg	U	ND< 0.042	mg/kg	U	ND< 0.058	mg/kg	U	ND< 0.053	mg/kg	U	ND< 0.043	mg/kg	U	ND< 0.044	mg/kg	U	ND< 0.061	mg/kg	U	ND< 0.048	mg/kg	U																			
SW8270	Indeno(1,2,3-C,D)Pyrene	193-39-5	0.5	0.5	mg/kg	ND< 0.060	mg/kg	U	ND< 0.055	mg/kg	U	0.63	mg/kg	U	0.16	mg/kg	U	0.58	mg/kg	U	ND< 0.053	mg/kg	U	0.39	mg/kg	U	0.17	mg/kg	U	ND< 0.061	mg/kg	U	ND< 0.048	mg/kg	U																			
SW8270	Naphthalene	91-20-3	12	100	mg/kg	ND< 0.060	mg/kg	U	ND< 0.055	mg/kg	U	ND< 0.044	mg/kg	U	ND< 0.042	mg/kg	U	ND< 0.058	mg/kg	U	ND< 0.053	mg/kg	U	ND< 0.043	mg/kg	U	ND< 0.044	mg/kg	U	ND< 0.061	mg/kg	U	ND< 0.048	mg/kg	U																			
SW8270	Phenanthrene	85-01-8	100	100	mg/kg	0.065	mg/kg	J	ND< 0.055	mg/kg	U	0.80	mg/kg	U	0.23	mg/kg	U	1.0	mg/kg	U	ND< 0.053	mg/kg	U	0.66	mg/kg	U	0.31	mg/kg	U	ND< 0.061	mg/kg	U	0.051	mg/kg	J																			
SW8270	Pyrene	129-00-0	100	100	mg/kg	0.11	mg/kg	J	ND< 0.055	mg/kg	U	1.9	mg/kg	U	0.74	mg/kg	U	2.2	mg/kg	U	ND< 0.053	mg/kg	U	1.5	mg/kg	U	0.73	mg/kg	U	ND< 0.061	mg/kg	U	0.080	mg/kg	J																			

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 2 - Metals in Soil Samples
Compared to UUSCOs and RRSCOs per 6 NYCRR Part 375
41 North 2nd Street, Hudson, New York
PVE File #20240218

		Date Sampled		10/22/2024		10/22/2024		10/22/2024		10/22/2024		10/22/2024		10/22/2024		10/22/2024		10/22/2024		10/22/2024		10/22/2024		10/22/2024		10/22/2024		10/22/2024		10/22/2024		10/22/2024		10/22/2024					
		Location		SB-23		SB-24		SB-25		SB-26		SB-27		SB-28		SB-32		SB-33		SB-34		SB-37																	
		Sample ID		SB-23 0.5-2 20241022		SB-24 1-3 20241022		SB-25 0.5-3 20241022		SB-26 0.5-1.5 20241022		SB-27 0.5-2 20241022		SB-28 0.5-2 20241022		SB-32 0.5-2 20241022		SB-33 0.5-2 20241022		SB-34 0.5-3 20241022		SB-37 0.5-2 20241022																	
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	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	
SW6010	Arsenic	7440-38-2	13	16	mg/kg	9.97	mg/kg		8.43	mg/kg		7.41	mg/kg		5.95	mg/kg		8.29	mg/kg		8.69	mg/kg		6.36	mg/kg		7.60	mg/kg		15.1	mg/kg		11.1	mg/kg					
SW6010	Barium	7440-39-3	350	400	mg/kg	264	mg/kg		133	mg/kg		105	mg/kg		81.6	mg/kg		285	mg/kg		212	mg/kg		96.1	mg/kg		185	mg/kg		275	mg/kg		224	mg/kg					
SW6010	Cadmium	7440-43-9	2.5	4.3	mg/kg	ND < 0.362	mg/kg	U	ND < 0.332	mg/kg	U	ND < 0.27	mg/kg	U	ND < 0.259	mg/kg	U	ND < 0.354	mg/kg	U	ND < 0.321	mg/kg	U	ND < 0.264	mg/kg	U	ND < 0.268	mg/kg	U	ND < 0.371	mg/kg	U	ND < 0.293	mg/kg	U				
SW6010	Chromium, Total	7440-47-3	31	290	mg/kg	38.3	mg/kg		27.0	mg/kg		19.3	mg/kg		18.3	mg/kg		46.4	mg/kg		30.8	mg/kg		16.7	mg/kg		17.5	mg/kg		39.5	mg/kg		31.7	mg/kg					
SW6010	Lead	7439-92-1	63	400	mg/kg	21.4	mg/kg		14.4	mg/kg		22.4	mg/kg		13.3	mg/kg		17.3	mg/kg		39.3	mg/kg		12.2	mg/kg		11.2	mg/kg		18.7	mg/kg		27.5	mg/kg					
SW6010	Selenium	7782-49-2	3.9	180	mg/kg	ND < 3.01	mg/kg	U	ND < 2.76	mg/kg	U	ND < 2.25	mg/kg	U	ND < 2.16	mg/kg	U	ND < 2.95	mg/kg	U	ND < 2.67	mg/kg	U	ND < 2.2	mg/kg	U	ND < 2.23	mg/kg	U	ND < 3.09	mg/kg	U	ND < 2.44	mg/kg	U				
SW6010	Silver	7440-22-4	2	180	mg/kg	ND < 0.607	mg/kg	U	ND < 0.557	mg/kg	U	ND < 0.454	mg/kg	U	ND < 0.435	mg/kg	U	ND < 0.594	mg/kg	U	ND < 0.539	mg/kg	U	ND < 0.444	mg/kg	U	ND < 0.45	mg/kg	U	ND < 0.623	mg/kg	U	ND < 0.492	mg/kg	U				
SW7473	Mercury	7439-97-6	0.18	0.81	mg/kg	0.0458	mg/kg		ND < 0.0398	mg/kg	U	0.0357	mg/kg		0.0331	mg/kg		ND < 0.0424	mg/kg	U	ND < 0.0385	mg/kg	U	ND < 0.0317	mg/kg	U	0.470	mg/kg		ND < 0.0445	mg/kg	U	0.475	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.



SOIL BORING LOGS



PAGE 1 OF 1

PROJECT NAME Supplemental Soil Investigation

PROJECT LOCATION 41 North 2nd Street, Hudson, NY

GROUND ELEVATION **HOLE SIZE** 2.5 inches

GROUND WATER LEVELS:

AT TIME OF DRILLING ---

AT END OF DRILLING ---

AFTER DRILLING ---

Bottom of borehole at 8.0 feet.



PVE Engineering
48 Springside Avenue
Poughkeepsie, NY
Telephone: 845-454-2544
Fax: 845-454-2655

BORING NUMBER SB-24

PAGE 1 OF 1

CLIENT	Mountco Construction & Development	PROJECT NAME	Supplemental Soil Investigation
PROJECT NUMBER	20240218	PROJECT LOCATION	41 North 2nd Street, Hudson, NY
DATE STARTED	10/22/24	COMPLETED	10/22/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2.5 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/5/24 12:11 - Z:\20240218 - 41 NORTH 2ND STREET, CITY OF HUDSON, COLUMBIA, CO., NY\PHASE II ESA\SB LOGS\SOIL BORING LOGS.GPJ

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 fine and medium sand, some silt, some gravel to brown silt, some clay; comingled with brick fragments.	PID = 0
2.5	GB 1 - 3'				PID = 0
4.0				(ML) Brown silt, some clay, little gravel; moist.	PID = 0
5.0		ML			PID = 0
7.5					PID = 0
8.0					

Bottom of borehole at 8.0 feet.



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Fax: 845-454-2655

BORING NUMBER SB-25

PAGE 1 OF 1

CLIENT	Mountco Construction & Development	PROJECT NAME	Supplemental Soil Investigation
PROJECT NUMBER	20240218	PROJECT LOCATION	41 North 2nd Street, Hudson, NY
DATE STARTED	10/22/24	COMPLETED	10/22/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2.5 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES	Refusal at 4.2'.		
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/5/24 12:11 - Z:\20240218 - 41 NORTH 2ND STREET, CITY OF HUDSON, COLUMBIA, CO., NY\PHASE II ESA\SB LOGS\SOIL BORING LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0				Asphalt parking lot.	
0.3				(SM) Dark brown fine, medium sand, some silt, some gravel; little fractured rock.	
1					PID = 0
2					PID = 0
3					
3.0				(ML) Dark brown silt, some clay; little wood fragments; moist.	
3.5				Crushed white rock.	PID = 0
4					
4.2				Bottom of borehole at 4.2 feet.	

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BORING NUMBER SB-26

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CLIENT Mountco Construction & Development

PROJECT NAME Supplemental Soil Investigation

PROJECT NUMBER 20240218

PROJECT LOCATION 41 North 2nd Street, Hudson, NY

DATE STARTED 10/22/24 **COMPLETED** 10/22/24

GROUND ELEVATION **HOLE SIZE** 2.5 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					Asphalt parking lot.	
0.2					(SM) Dark brown fine, medium sand, some silt, some gravel.	PID = 0
1	GB 0.5 - 1.5		SM			
1.5					(ML) Brown silt, some clay.	PID = 0
2			ML			
3						
4						PID = 0



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Telephone: 845-454-2544
Fax: 845-454-2655

BORING NUMBER SB-27

PAGE 1 OF 1

CLIENT	Mountco Construction & Development	PROJECT NAME	Supplemental Soil Investigation
PROJECT NUMBER	20240218	PROJECT LOCATION	41 North 2nd Street, Hudson, NY
DATE STARTED	10/22/24	COMPLETED	10/22/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2.5 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/5/24 12:11 - Z:\20240218 - 41 NORTH 2ND STREET, CITY OF HUDSON, COLUMBIA, CO., NY\PHASE II ESA\SB LOGS\SOIL BORING LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0					
				Asphalt parking lot.	
			0.2		
		SM		(SM) Brown fine, medium, coarse sand, some silt, some gravel.	
			0.5		
				(ML) Brown silt, some clay, little gravel.	PID = 0
1					
2					
		ML			PID = 0
3					
4					PID = 0
			4.0		

Bottom of borehole at 4.0 feet.



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BORING NUMBER SB-28

PAGE 1 OF 1

CLIENT	Mountco Construction & Development	PROJECT NAME	Supplemental Soil Investigation
PROJECT NUMBER	20240218	PROJECT LOCATION	41 North 2nd Street, Hudson, NY
DATE STARTED	10/22/24	COMPLETED	10/22/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2.5 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/5/24 12:11 - Z:\20240218 - 41 NORTH 2ND STREET, CITY OF HUDSON, COLUMBIA, CO., NY\PHASE II ESA\SB LOGS\SOIL BORING LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0				
			Topsoil (dark brown/black silt with fine, medium sand; little gravel).	
			0.3 (Fill) Brown silt, some clay, little gravel; trace of brick fragments and ash.	
1				PID = 0.1
	GB 0.5 - 2'			
2				
				PID = 0
3				
				PID = 0
4				

Bottom of borehole at 4.0 feet.



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BORING NUMBER SB-29

PAGE 1 OF 1

CLIENT	Mountco Construction & Development	PROJECT NAME	Supplemental Soil Investigation
PROJECT NUMBER	20240218	PROJECT LOCATION	41 North 2nd Street, Hudson, NY
DATE STARTED	10/22/24	COMPLETED	10/22/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2.5 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/5/24 12:11 - Z:\20240218 - 41 NORTH 2ND STREET, CITY OF HUDSON, COLUMBIA, CO., NY\PHASE II ESA\SB LOGS\SOIL BORING LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0					
0.1				Topsoil (dark brown/black silt with fine, medium sand; little gravel). (ML) Brown silt, some clay.	PID = 0
1					
2		ML			PID = 0
3					
4				Bottom of borehole at 4.0 feet.	PID = 0



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BORING NUMBER SB-30

PAGE 1 OF 1

CLIENT	Mountco Construction & Development	PROJECT NAME	Supplemental Soil Investigation
PROJECT NUMBER	20240218	PROJECT LOCATION	41 North 2nd Street, Hudson, NY
DATE STARTED	10/22/24	COMPLETED	10/22/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2.5 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/5/24 12:11 - Z:\20240218 - 41 NORTH 2ND STREET, CITY OF HUDSON, COLUMBIA, CO., NY\PHASE II ESA\SB LOGS\SOIL BORING LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0					
0.3				Topsoil (dark brown/black silt with fine, medium sand; little gravel).	
				(ML) Brown silt, some clay, some gravel.	PID = 0
2.5					
2.5				Crushed white rock.	PID = 0
3.0				(ML) Brown silt, some clay, some gravel.	PID = 0
4.0				(CL) Gray clay, some silt, some gravel.	PID = 0
5.0					PID = 0
7.5					PID = 0
8.0					PID = 0

Bottom of borehole at 8.0 feet.



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BORING NUMBER SB-31

PAGE 1 OF 1

CLIENT	Mountco Construction & Development	PROJECT NAME	Supplemental Soil Investigation
PROJECT NUMBER	20240218	PROJECT LOCATION	41 North 2nd Street, Hudson, NY
DATE STARTED	10/22/24	COMPLETED	10/22/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2.5 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/5/24 12:11 - Z:\20240218 - 41 NORTH 2ND STREET, CITY OF HUDSON, COLUMBIA, CO., NY\PHASE II ESA\SB LOGS\SOIL BORING LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0					
				Topsoil (dark brown/black silt with fine, medium sand; little gravel).	
				0.3	
		ML		(ML) Brown silt, some clay, little gravel.	PID = 0
1				1.0	
		CL		(CL) Brown to gray clay, some silt, little gravel; moist.	PID = 0
2					
3					
4				4.0	PID = 0

Bottom of borehole at 4.0 feet.



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Fax: 845-454-2655

BORING NUMBER SB-32

PAGE 1 OF 1

CLIENT	Mountco Construction & Development	PROJECT NAME	Supplemental Soil Investigation
PROJECT NUMBER	20240218	PROJECT LOCATION	41 North 2nd Street, Hudson, NY
DATE STARTED	10/22/24	COMPLETED	10/22/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2.5 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/5/24 12:11 - Z:\20240218 - 41 NORTH 2ND STREET, CITY OF HUDSON, COLUMBIA, CO., NY\PHASE II ESA\SB LOGS\SOIL BORING LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0				Asphalt parking lot.	
			0.3	(SM) Brown fine, medium and coarse sand, some silt, some gravel.	
1		SM			PID = 0
	GB 0.5 - 2'				
2			2.0	White crushed rock.	
			2.3	(CL) Brown clay, some silt.	
3		CL			PID = 0
4			4.0	Bottom of borehole at 4.0 feet.	



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BORING NUMBER SB-33

PAGE 1 OF 1

CLIENT	Mountco Construction & Development	PROJECT NAME	Supplemental Soil Investigation
PROJECT NUMBER	20240218	PROJECT LOCATION	41 North 2nd Street, Hudson, NY
DATE STARTED	10/22/24	COMPLETED	10/22/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2.5 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/5/24 12:11 - Z:\20240218 - 41 NORTH 2ND STREET, CITY OF HUDSON, COLUMBIA, CO., NY\PHASE II ESA\SB LOGS\SOIL BORING LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0					
0.2				Asphalt parking lot.	
1				(SM) Brown/dark brown fine, medium, coarse sand, some silt, some gravel.	PID = 0
2	GB 0.5 - 2'	SM			
3				(CL) Brown clay, some silt.	PID = 0
4		CL			PID = 0
4.0					

Bottom of borehole at 4.0 feet.



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BORING NUMBER SB-34

PAGE 1 OF 1

CLIENT	Mountco Construction & Development	PROJECT NAME	Supplemental Soil Investigation
PROJECT NUMBER	20240218	PROJECT LOCATION	41 North 2nd Street, Hudson, NY
DATE STARTED	10/22/24	COMPLETED	10/22/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2.5 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/5/24 12:11 - Z:\20240218 - 41 NORTH 2ND STREET, CITY OF HUDSON, COLUMBIA, CO., NY\PHASE II ESA\SB LOGS\SOIL BORING LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0				Asphalt parking lot.	
0.3				(CL) Brown/dark brown to gray clay, some silt, little gravel; moist.	
1					PID = 0
2					PID = 0
3					PID = 0
4					PID = 0

GB
0.5 -
3'

CL

Bottom of borehole at 4.0 feet.



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BORING NUMBER SB-35

PAGE 1 OF 1

CLIENT	Mountco Construction & Development	PROJECT NAME	Supplemental Soil Investigation
PROJECT NUMBER	20240218	PROJECT LOCATION	41 North 2nd Street, Hudson, NY
DATE STARTED	10/22/24	COMPLETED	10/22/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2.5 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/5/24 12:11 - Z:\20240218 - 41 NORTH 2ND STREET, CITY OF HUDSON, COLUMBIA, CO., NY\PHASE II ESA\SB LOGS\SOIL BORING LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0					
0.2				Topsoil (dark brown/black silt with fine, medium sand; little gravel).	
1		ML		(ML) Brown silt, some clay, little fine sand.	PID = 0
2					
2.0				(CL) Brown/gray clay, some silt, some gravel, little fine sand.	
3		CL			PID = 0
4					
4.0					

Bottom of borehole at 4.0 feet.



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BORING NUMBER SB-36

PAGE 1 OF 1

CLIENT	Mountco Construction & Development	PROJECT NAME	Supplemental Soil Investigation
PROJECT NUMBER	20240218	PROJECT LOCATION	41 North 2nd Street, Hudson, NY
DATE STARTED	10/22/24	COMPLETED	10/22/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2.5 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	---
		AFTER DRILLING	---

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/5/24 12:11 - Z:\20240218 - 41 NORTH 2ND STREET, CITY OF HUDSON, COLUMBIA, CO., NY\PHASE II ESA\SB LOGS\SOIL BORING LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0					
				Topsoil (dark brown/black silt with fine, medium sand; little gravel).	
				(ML) Brown silt, some clay.	
1					PID = 0
2		ML			PID = 0
3					
4					PID = 0
				4.0	

Bottom of borehole at 4.0 feet.

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BORING NUMBER SB-37

PAGE 1 OF 1

CLIENT Moutco Construction & Development

PROJECT NAME Supplemental Soil Investigation

PROJECT NUMBER 20240218

PROJECT LOCATION 41 North 2nd Street, Hudson, NY

DATE STARTED 10/22/24 **COMPLETED** 10/22/24

GROUND ELEVATION **HOLE SIZE** 2.5 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

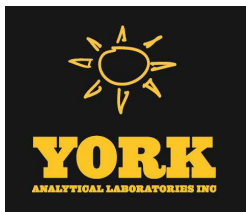
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0					
				Topsoil (dark brown/black silt with fine, medium sand; little gravel).	
				(ML) (Fill) Brown silt, some clay; comingled with glass and coal fragments.	PID = 0
1					
2					
				(CL) Brown clay, some silt, some fine sand.	PID = 0
3					
4					PID = 0

Bottom of borehole at 4.0 feet.



ANALYTICAL REPORT



Technical Report

prepared for:

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

Report Date: 10/31/2024
Client Project ID: 20240218
York Project (SDG) No.: 24J1594

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: 10/31/2024
Client Project ID: 20240218
York Project (SDG) No.: 24J1594

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 October 24, 2024 and listed below. The project was identified as your project: **20240218**.

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>
24J1594-01	SB-24 1-3 20241022	Soil	10/22/2024	10/24/2024
24J1594-02	SB-28 0.5-2 20241022	Soil	10/22/2024	10/24/2024
24J1594-03	SB-25 0.5-3 20241022	Soil	10/22/2024	10/24/2024
24J1594-04	SB-37 0.5-2 20241022	Soil	10/22/2024	10/24/2024
24J1594-05	SB-26 0.5-1.5 20241022	Soil	10/22/2024	10/24/2024
24J1594-06	SB-27 0.5-2 20241022	Soil	10/22/2024	10/24/2024
24J1594-07	SB-33 0.5-2 20241022	Soil	10/22/2024	10/24/2024
24J1594-08	SB-23 0.5-2 20241022	Soil	10/22/2024	10/24/2024
24J1594-09	SB-34 0.5-3 20241022	Soil	10/22/2024	10/24/2024
24J1594-10	SB-32 0.5-2 20241022	Soil	10/22/2024	10/24/2024

General Notes for York Project (SDG) No.: 24J1594

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.

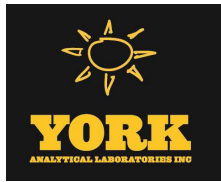
Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 10/31/2024





Sample Information

Client Sample ID: SB-24 1-3 20241022			York Sample ID: 24J1594-01		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1594	20240218	Soil	October 22, 2024 9:25 am	10/24/2024	

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
83-32-9	Acenaphthene	ND		mg/kg dry	0.055	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 14:40	LL
208-96-8	Acenaphthylene	ND		mg/kg dry	0.055	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 14:40	LL
120-12-7	Anthracene	ND		mg/kg dry	0.055	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 14:40	LL
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.055	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 14:40	LL
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.055	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 14:40	LL
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.055	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 14:40	LL
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.055	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 14:40	LL
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.055	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 14:40	LL
218-01-9	Chrysene	ND		mg/kg dry	0.055	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 14:40	LL
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.055	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 14:40	LL
206-44-0	Fluoranthene	ND		mg/kg dry	0.055	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 14:40	LL
86-73-7	Fluorene	ND		mg/kg dry	0.055	0.11	2	EPA 8270E Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/29/2024 10:32	10/30/2024 14:40	LL
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.055	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 14:40	LL
91-20-3	Naphthalene	ND		mg/kg dry	0.055	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 14:40	LL
85-01-8	Phenanthrene	ND		mg/kg dry	0.055	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 14:40	LL
129-00-0	Pyrene	ND		mg/kg dry	0.055	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 14:40	LL
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	47.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	67.7 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	88.6 %	24-116								

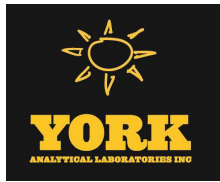
Metals, RCRA

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	8.43		mg/kg dry	1.66	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 13:28	AGNR



Sample Information

Client Sample ID: SB-24 1-3 20241022			York Sample ID: 24J1594-01		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1594	20240218	Soil	October 22, 2024 9:25 am	10/24/2024	

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
7440-39-3	Barium	133		mg/kg dry	2.76	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:28	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-43-9	Cadmium	ND		mg/kg dry	0.332	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:28	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-47-3	Chromium	27.0		mg/kg dry	0.553	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:28	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-92-1	Lead	14.4		mg/kg dry	0.553	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:28	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7782-49-2	Selenium	ND		mg/kg dry	2.76	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:28	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-22-4	Silver	ND	M-CCV 1	mg/kg dry	0.557	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:28	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

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	ND		mg/kg dry	0.0398	1	EPA 7473	10/29/2024 19:18	10/30/2024 13:48	DRS
							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	75.4		%	0.100	1	SM 2540G	10/25/2024 12:18	10/25/2024 15:18	SMM
							Certifications:	CTDOH-PH-0723		

Sample Information

Client Sample ID: SB-28 0.5-2 20241022			York Sample ID: 24J1594-02		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1594	20240218	Soil	October 22, 2024 10:35 am	10/24/2024	

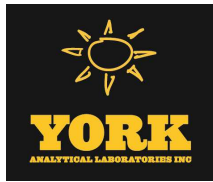
Semi-Volatiles, CP-51 (formerly STARS) List

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
83-32-9	Acenaphthene	ND		mg/kg dry	0.053	0.11	2	EPA 8270E	10/29/2024 10:32	10/30/2024 15:10	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		



Sample Information

Client Sample ID: SB-28 0.5-2 20241022

York Sample ID: 24J1594-02

York Project (SDG) No.

24J1594

Client Project ID

20240218

Matrix

Soil

Collection Date/Time

October 22, 2024 10:35 am

Date Received

10/24/2024

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	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 15:10	LL
120-12-7	Anthracene	ND		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 15:10	LL
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 15:10	LL
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 15:10	LL
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 15:10	LL
191-24-2	Benzo(g,h,i)perylene	0.14		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 15:10	LL
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 15:10	LL
218-01-9	Chrysene	ND		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 15:10	LL
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 15:10	LL
206-44-0	Fluoranthene	ND		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 15:10	LL
86-73-7	Fluorene	ND		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/29/2024 10:32	10/30/2024 15:10	LL
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 15:10	LL
91-20-3	Naphthalene	ND		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 15:10	LL
85-01-8	Phenanthrene	ND		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 15:10	LL
129-00-0	Pyrene	ND		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:32	10/30/2024 15:10	LL
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	48.3 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	63.0 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	80.2 %	24-116								

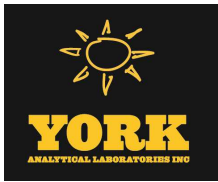
Metals, RCRA

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	8.69		mg/kg dry	1.60	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 13:30	AGNR
7440-39-3	Barium	212		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 13:30	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.321	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 13:30	AGNR



Sample Information

Client Sample ID: SB-28 0.5-2 20241022			York Sample ID: 24J1594-02		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1594	20240218	Soil	October 22, 2024 10:35 am	10/24/2024	

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
7440-47-3	Chromium	30.8		mg/kg dry	0.535	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:30	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-92-1	Lead	39.3		mg/kg dry	0.535	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:30	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7782-49-2	Selenium	ND		mg/kg dry	2.67	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:30	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-22-4	Silver	ND	M-CCV 1	mg/kg dry	0.539	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:30	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	ND		mg/kg dry	0.0385	1	EPA 7473	10/29/2024 19:18	10/30/2024 13:48	DRS
							Certifications:	CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-044		

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	77.9		%	0.100	1	SM 2540G	10/25/2024 12:18	10/25/2024 15:18	SMM
							Certifications:	CTDOH-PH-0723		

Sample Information

Client Sample ID: SB-25 0.5-3 20241022			York Sample ID: 24J1594-03		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1594	20240218	Soil	October 22, 2024 9:40 am	10/24/2024	

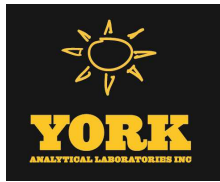
Semi-Volatiles, CP-51 (formerly STARS) List

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
83-32-9	Acenaphthene	ND		mg/kg dry	0.044	0.088	2	EPA 8270E	10/29/2024 10:28	10/30/2024 15:40	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.044	0.088	2	EPA 8270E	10/29/2024 10:28	10/30/2024 15:40	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
120-12-7	Anthracene	0.12		mg/kg dry	0.044	0.088	2	EPA 8270E	10/29/2024 10:28	10/30/2024 15:40	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		



Sample Information

Client Sample ID: SB-25 0.5-3 20241022			York Sample ID: 24J1594-03		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1594	20240218	Soil	October 22, 2024 9:40 am	10/24/2024	

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
56-55-3	Benzo(a)anthracene	0.84		mg/kg dry	0.044	0.088	2	EPA 8270E	10/29/2024 10:28	10/30/2024 15:40	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
50-32-8	Benzo(a)pyrene	0.84		mg/kg dry	0.044	0.088	2	EPA 8270E	10/29/2024 10:28	10/30/2024 15:40	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
205-99-2	Benzo(b)fluoranthene	0.89		mg/kg dry	0.044	0.088	2	EPA 8270E	10/29/2024 10:28	10/30/2024 15:40	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
191-24-2	Benzo(g,h,i)perylene	0.66		mg/kg dry	0.044	0.088	2	EPA 8270E	10/29/2024 10:28	10/30/2024 15:40	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
207-08-9	Benzo(k)fluoranthene	0.94		mg/kg dry	0.044	0.088	2	EPA 8270E	10/29/2024 10:28	10/30/2024 15:40	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
218-01-9	Chrysene	1.2		mg/kg dry	0.044	0.088	2	EPA 8270E	10/29/2024 10:28	10/30/2024 15:40	LL
								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	0.088	2	EPA 8270E	10/29/2024 10:28	10/30/2024 15:40	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
206-44-0	Fluoranthene	1.7		mg/kg dry	0.044	0.088	2	EPA 8270E	10/29/2024 10:28	10/30/2024 15:40	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
86-73-7	Fluorene	ND		mg/kg dry	0.044	0.088	2	EPA 8270E	10/29/2024 10:28	10/30/2024 15:40	LL
								Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
193-39-5	Indeno(1,2,3-cd)pyrene	0.63		mg/kg dry	0.044	0.088	2	EPA 8270E	10/29/2024 10:28	10/30/2024 15:40	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
91-20-3	Naphthalene	ND		mg/kg dry	0.044	0.088	2	EPA 8270E	10/29/2024 10:28	10/30/2024 15:40	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
85-01-8	Phenanthrene	0.80		mg/kg dry	0.044	0.088	2	EPA 8270E	10/29/2024 10:28	10/30/2024 15:40	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
129-00-0	Pyrene	1.9		mg/kg dry	0.044	0.088	2	EPA 8270E	10/29/2024 10:28	10/30/2024 15:40	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	45.1 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.6 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	81.2 %	24-116								

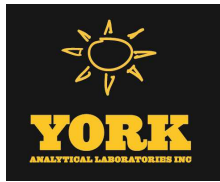
Metals, RCRA

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	7.41		mg/kg dry	1.35	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:31	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-39-3	Barium	105		mg/kg dry	2.25	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:31	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-43-9	Cadmium	ND		mg/kg dry	0.270	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:31	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-47-3	Chromium	19.3		mg/kg dry	0.451	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:31	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		



Sample Information

Client Sample ID: SB-25 0.5-3 20241022			York Sample ID: 24J1594-03		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1594	20240218	Soil	October 22, 2024 9:40 am	10/24/2024	

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
7439-92-1	Lead	22.4		mg/kg dry	0.451	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 13:31	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 13:31	AGNR
7440-22-4	Silver	ND	M-CCV 1	mg/kg dry	0.454	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 13:31	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	0.0357		mg/kg dry	0.0324	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04	10/29/2024 19:18	10/30/2024 13:48	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	92.5		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	10/25/2024 12:18	10/25/2024 15:18	SMM

Sample Information

Client Sample ID: SB-37 0.5-2 20241022			York Sample ID: 24J1594-04		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1594	20240218	Soil	October 22, 2024 1:30 pm	10/24/2024	

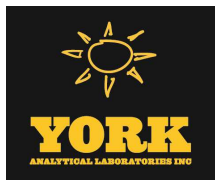
Semi-Volatiles, CP-51 (formerly STARS) List

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
83-32-9	Acenaphthene	ND		mg/kg dry	0.048	0.096	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 16:10	LL
208-96-8	Acenaphthylene	ND		mg/kg dry	0.048	0.096	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 16:10	LL
120-12-7	Anthracene	ND		mg/kg dry	0.048	0.096	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 16:10	LL
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.048	0.096	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 16:10	LL



Sample Information

Client Sample ID: SB-37 0.5-2 20241022

York Sample ID: 24J1594-04

York Project (SDG) No.
24J1594

Client Project ID
20240218

Matrix
Soil

Collection Date/Time
October 22, 2024 1:30 pm

Date Received
10/24/2024

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
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.048	0.096	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 16:10	LL
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.048	0.096	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 16:10	LL
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.048	0.096	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 16:10	LL
207-08-9	Benzo(k)fluoranthene	0.049	J	mg/kg dry	0.048	0.096	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 16:10	LL
218-01-9	Chrysene	0.050	J	mg/kg dry	0.048	0.096	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 16:10	LL
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.048	0.096	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 16:10	LL
206-44-0	Fluoranthene	0.070	J	mg/kg dry	0.048	0.096	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 16:10	LL
86-73-7	Fluorene	ND		mg/kg dry	0.048	0.096	2	EPA 8270E Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/29/2024 10:28	10/30/2024 16:10	LL
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.048	0.096	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 16:10	LL
91-20-3	Naphthalene	ND		mg/kg dry	0.048	0.096	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 16:10	LL
85-01-8	Phenanthrene	0.051	J	mg/kg dry	0.048	0.096	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 16:10	LL
129-00-0	Pyrene	0.080	J	mg/kg dry	0.048	0.096	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 16:10	LL
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	45.1 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	64.4 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	81.0 %	24-116								

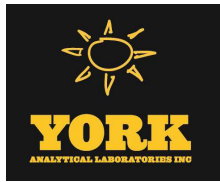
Metals, RCRA

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	11.1		mg/kg dry	1.46	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 13:50	AGNR
7440-39-3	Barium	224		mg/kg dry	2.44	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 13:50	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.293	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 13:50	AGNR
7440-47-3	Chromium	31.7		mg/kg dry	0.489	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 13:50	AGNR
7439-92-1	Lead	27.5		mg/kg dry	0.489	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 13:50	AGNR



Sample Information

Client Sample ID: SB-37 0.5-2 20241022			York Sample ID: 24J1594-04		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1594	20240218	Soil	October 22, 2024 1:30 pm	10/24/2024	

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
7782-49-2	Selenium	ND		mg/kg dry	2.44	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 13:50	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.492	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 13:50	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	0.475		mg/kg dry	0.0352	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04	10/29/2024 19:18	10/30/2024 13:48	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	85.3		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	10/25/2024 12:18	10/25/2024 15:18	SMM

Sample Information

Client Sample ID: SB-26 0.5-1.5 20241022			York Sample ID: 24J1594-05		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1594	20240218	Soil	October 22, 2024 10:10 am	10/24/2024	

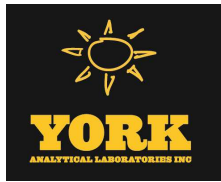
Semi-Volatiles, CP-51 (formerly STARS) List

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
83-32-9	Acenaphthene	ND		mg/kg dry	0.042	0.084	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 16:41	LL
208-96-8	Acenaphthylene	ND		mg/kg dry	0.042	0.084	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 16:41	LL
120-12-7	Anthracene	0.052	J	mg/kg dry	0.042	0.084	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 16:41	LL
56-55-3	Benzo(a)anthracene	0.28		mg/kg dry	0.042	0.084	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 16:41	LL
50-32-8	Benzo(a)pyrene	0.29		mg/kg dry	0.042	0.084	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 16:41	LL



Sample Information

Client Sample ID: SB-26 0.5-1.5 20241022			York Sample ID: 24J1594-05		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1594	20240218	Soil	October 22, 2024 10:10 am	10/24/2024	

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
205-99-2	Benzo(b)fluoranthene	0.25		mg/kg dry	0.042	0.084	2	EPA 8270E	10/29/2024 10:28	10/30/2024 16:41	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
191-24-2	Benzo(g,h,i)perylene	0.17		mg/kg dry	0.042	0.084	2	EPA 8270E	10/29/2024 10:28	10/30/2024 16:41	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
207-08-9	Benzo(k)fluoranthene	0.24		mg/kg dry	0.042	0.084	2	EPA 8270E	10/29/2024 10:28	10/30/2024 16:41	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
218-01-9	Chrysene	0.30		mg/kg dry	0.042	0.084	2	EPA 8270E	10/29/2024 10:28	10/30/2024 16:41	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
53-70-3	Dibenzo(a,h)anthracene	0.072	J	mg/kg dry	0.042	0.084	2	EPA 8270E	10/29/2024 10:28	10/30/2024 16:41	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
206-44-0	Fluoranthene	0.62		mg/kg dry	0.042	0.084	2	EPA 8270E	10/29/2024 10:28	10/30/2024 16:41	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
86-73-7	Fluorene	ND		mg/kg dry	0.042	0.084	2	EPA 8270E	10/29/2024 10:28	10/30/2024 16:41	LL
								Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
193-39-5	Indeno(1,2,3-cd)pyrene	0.16		mg/kg dry	0.042	0.084	2	EPA 8270E	10/29/2024 10:28	10/30/2024 16:41	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
91-20-3	Naphthalene	ND		mg/kg dry	0.042	0.084	2	EPA 8270E	10/29/2024 10:28	10/30/2024 16:41	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
85-01-8	Phenanthrene	0.23		mg/kg dry	0.042	0.084	2	EPA 8270E	10/29/2024 10:28	10/30/2024 16:41	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
129-00-0	Pyrene	0.74		mg/kg dry	0.042	0.084	2	EPA 8270E	10/29/2024 10:28	10/30/2024 16:41	LL
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	35.4 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	54.2 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	68.9 %	24-116								

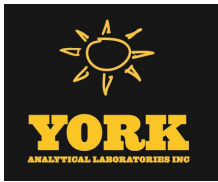
Metals, RCRA

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	5.95		mg/kg dry	1.29	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:52	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-39-3	Barium	81.6		mg/kg dry	2.15	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:52	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-43-9	Cadmium	ND		mg/kg dry	0.259	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:52	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-47-3	Chromium	18.3		mg/kg dry	0.432	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:52	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-92-1	Lead	13.3		mg/kg dry	0.432	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:52	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7782-49-2	Selenium	ND		mg/kg dry	2.16	1	EPA 6010D	10/28/2024 14:36	10/29/2024 13:52	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		



Sample Information

Client Sample ID: SB-26 0.5-1.5 20241022			York Sample ID: 24J1594-05		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1594	20240218	Soil	October 22, 2024 10:10 am	10/24/2024	

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	0.435	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 13:52	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	0.0331		mg/kg dry	0.0311	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-044	10/29/2024 19:18	10/30/2024 13:48	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	96.6		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	10/25/2024 12:18	10/25/2024 15:18	SMM

Sample Information

Client Sample ID: SB-27 0.5-2 20241022			York Sample ID: 24J1594-06		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1594	20240218	Soil	October 22, 2024 10:20 am	10/24/2024	

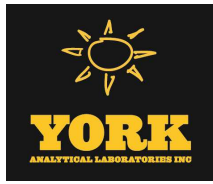
Semi-Volatiles, CP-51 (formerly STARS) List

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
83-32-9	Acenaphthene	ND		mg/kg dry	0.058	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 17:11	LL
208-96-8	Acenaphthylene	ND		mg/kg dry	0.058	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 17:11	LL
120-12-7	Anthracene	0.21		mg/kg dry	0.058	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 17:11	LL
56-55-3	Benzo(a)anthracene	0.88		mg/kg dry	0.058	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 17:11	LL
50-32-8	Benzo(a)pyrene	0.96		mg/kg dry	0.058	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 17:11	LL
205-99-2	Benzo(b)fluoranthene	0.82		mg/kg dry	0.058	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 17:11	LL



Sample Information

Client Sample ID: SB-27 0.5-2 20241022

York Sample ID: 24J1594-06

York Project (SDG) No.

24J1594

Client Project ID

20240218

Matrix

Soil

Collection Date/Time

October 22, 2024 10:20 am

Date Received

10/24/2024

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
191-24-2	Benzo(g,h,i)perylene	0.65		mg/kg dry	0.058	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 17:11	LL
207-08-9	Benzo(k)fluoranthene	0.81		mg/kg dry	0.058	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 17:11	LL
218-01-9	Chrysene	1.4		mg/kg dry	0.058	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 17:11	LL
53-70-3	Dibenzo(a,h)anthracene	0.23		mg/kg dry	0.058	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 17:11	LL
206-44-0	Fluoranthene	2.1		mg/kg dry	0.058	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 17:11	LL
86-73-7	Fluorene	ND		mg/kg dry	0.058	0.11	2	EPA 8270E Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/29/2024 10:28	10/30/2024 17:11	LL
193-39-5	Indeno(1,2,3-cd)pyrene	0.58		mg/kg dry	0.058	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 17:11	LL
91-20-3	Naphthalene	ND		mg/kg dry	0.058	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 17:11	LL
85-01-8	Phenanthrene	1.0		mg/kg dry	0.058	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 17:11	LL
129-00-0	Pyrene	2.2		mg/kg dry	0.058	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 17:11	LL
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	22.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	61.9 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	76.8 %	24-116								

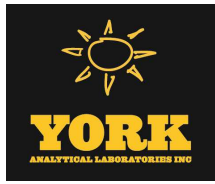
Metals, RCRA

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	8.29		mg/kg dry	1.77	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 13:53	AGNR
7440-39-3	Barium	285		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 13:53	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.354	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 13:53	AGNR
7440-47-3	Chromium	46.4		mg/kg dry	0.590	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 13:53	AGNR
7439-92-1	Lead	17.3		mg/kg dry	0.590	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 13:53	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.95	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 13:53	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.594	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 13:53	AGNR



Sample Information

Client Sample ID: SB-27 0.5-2 20241022

York Sample ID: 24J1594-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24J1594

20240218

Soil

October 22, 2024 10:20 am

10/24/2024

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	ND		mg/kg dry	0.0424	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-044	10/29/2024 19:18	10/30/2024 13:48	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	70.7		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	10/25/2024 12:18	10/25/2024 15:18	SMM

Sample Information

Client Sample ID: SB-33 0.5-2 20241022

York Sample ID: 24J1594-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24J1594

20240218

Soil

October 22, 2024 12:15 pm

10/24/2024

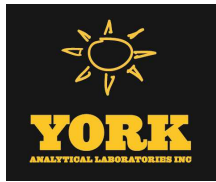
Semi-Volatiles, CP-51 (formerly STARS) List

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
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	10/29/2024 10:28	10/30/2024 17:42	LL
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	10/29/2024 10:28	10/30/2024 17:42	LL
120-12-7	Anthracene	0.051	J	mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 17:42	LL
56-55-3	Benzo(a)anthracene	0.25		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 17:42	LL
50-32-8	Benzo(a)pyrene	0.26		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 17:42	LL
205-99-2	Benzo(b)fluoranthene	0.24		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 17:42	LL
191-24-2	Benzo(g,h,i)perylene	0.19		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 17:42	LL
207-08-9	Benzo(k)fluoranthene	0.23		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 17:42	LL
218-01-9	Chrysene	0.46		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 17:42	LL



Sample Information

Client Sample ID: SB-33 0.5-2 20241022

York Sample ID: 24J1594-07

York Project (SDG) No.

24J1594

Client Project ID

20240218

Matrix

Soil

Collection Date/Time

October 22, 2024 12:15 pm

Date Received

10/24/2024

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	0.084	J	mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 17:42	LL
206-44-0	Fluoranthene	0.68		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 17:42	LL
86-73-7	Fluorene	ND		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/29/2024 10:28	10/30/2024 17:42	LL
193-39-5	Indeno(1,2,3-cd)pyrene	0.17		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 17:42	LL
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	10/29/2024 10:28	10/30/2024 17:42	LL
85-01-8	Phenanthrene	0.31		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 17:42	LL
129-00-0	Pyrene	0.73		mg/kg dry	0.044	0.088	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 17:42	LL
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	27.0 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.8 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	87.0 %	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	7.60		mg/kg dry	1.34	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 13:54	AGNR
7440-39-3	Barium	185		mg/kg dry	2.23	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 13:54	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.268	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 13:54	AGNR
7440-47-3	Chromium	17.5		mg/kg dry	0.446	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 13:54	AGNR
7439-92-1	Lead	11.2		mg/kg dry	0.446	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 13:54	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.23	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 13:54	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.450	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 13:54	AGNR

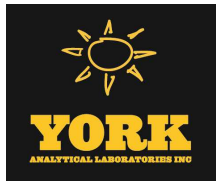
Mercury by 7473

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
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Sample Information

Client Sample ID: SB-33 0.5-2 20241022

York Sample ID: 24J1594-07

York Project (SDG) No.

24J1594

Client Project ID

20240218

Matrix

Soil

Collection Date/Time

October 22, 2024 12:15 pm

Date Received

10/24/2024

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	0.470		mg/kg dry	0.0321	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04	10/29/2024 13:29	10/30/2024 13:55	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	93.4		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	10/25/2024 12:18	10/25/2024 15:18	SMM

Sample Information

Client Sample ID: SB-23 0.5-2 20241022

York Sample ID: 24J1594-08

York Project (SDG) No.

24J1594

Client Project ID

20240218

Matrix

Soil

Collection Date/Time

October 22, 2024 9:00 am

Date Received

10/24/2024

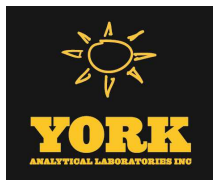
Semi-Volatiles, CP-51 (formerly STARS) List

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
83-32-9	Acenaphthene	ND		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:12	LL
208-96-8	Acenaphthylene	ND		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:12	LL
120-12-7	Anthracene	ND		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:12	LL
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:12	LL
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:12	LL
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:12	LL
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:12	LL
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:12	LL
218-01-9	Chrysene	0.068	J	mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 18:12	LL
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:12	LL



Sample Information

Client Sample ID: SB-23 0.5-2 20241022

York Sample ID: 24J1594-08

York Project (SDG) No.
24J1594

Client Project ID
20240218

Matrix
Soil

Collection Date/Time
October 22, 2024 9:00 am

Date Received
10/24/2024

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	0.093	J	mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 18:12	LL
86-73-7	Fluorene	ND		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/29/2024 10:28	10/30/2024 18:12	LL
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:12	LL
91-20-3	Naphthalene	ND		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:12	LL
85-01-8	Phenanthrene	0.065	J	mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 18:12	LL
129-00-0	Pyrene	0.11	J	mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/29/2024 10:28	10/30/2024 18:12	LL
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	29.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	49.1 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	62.4 %	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	9.97		mg/kg dry	1.81	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 14:00	AGNR
7440-39-3	Barium	264		mg/kg dry	3.01	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 14:00	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.362	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 14:00	AGNR
7440-47-3	Chromium	38.3		mg/kg dry	0.603	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 14:00	AGNR
7439-92-1	Lead	21.4		mg/kg dry	0.603	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:36	10/29/2024 14:00	AGNR
7782-49-2	Selenium	ND		mg/kg dry	3.01	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 14:00	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.607	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 14:00	AGNR

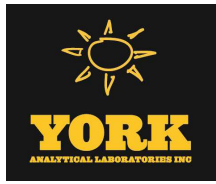
Mercury by 7473

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	0.0458		mg/kg dry	0.0434	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04	10/29/2024 13:29	10/30/2024 13:55	DRS



Sample Information

Client Sample ID: SB-23 0.5-2 20241022			York Sample ID: 24J1594-08		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1594	20240218	Soil	October 22, 2024 9:00 am	10/24/2024	

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	69.2		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	10/25/2024 12:18	10/25/2024 15:18	SMM

Sample Information

Client Sample ID: SB-34 0.5-3 20241022			York Sample ID: 24J1594-09		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1594	20240218	Soil	October 22, 2024 12:30 pm	10/24/2024	

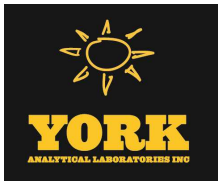
Semi-Volatiles, CP-51 (formerly STARS) List

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
83-32-9	Acenaphthene	ND		mg/kg dry	0.061	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:42	LL
208-96-8	Acenaphthylene	ND		mg/kg dry	0.061	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:42	LL
120-12-7	Anthracene	ND		mg/kg dry	0.061	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:42	LL
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.061	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:42	LL
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.061	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:42	LL
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.061	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:42	LL
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.061	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:42	LL
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.061	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:42	LL
218-01-9	Chrysene	ND		mg/kg dry	0.061	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:42	LL
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.061	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:42	LL
206-44-0	Fluoranthene	ND		mg/kg dry	0.061	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:42	LL
86-73-7	Fluorene	ND		mg/kg dry	0.061	0.12	2	EPA 8270E Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/29/2024 10:28	10/30/2024 18:42	LL
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.061	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:42	LL
91-20-3	Naphthalene	ND		mg/kg dry	0.061	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:42	LL



Sample Information

Client Sample ID: SB-34 0.5-3 20241022			York Sample ID: 24J1594-09		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1594	20240218	Soil	October 22, 2024 12:30 pm	10/24/2024	

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
85-01-8	Phenanthrene	ND		mg/kg dry	0.061	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:42	LL
129-00-0	Pyrene	ND		mg/kg dry	0.061	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 18:42	LL
Surrogate Recoveries		Result		Acceptance Range							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	10.9 %	S-08	22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	49.8 %		21-113							
1718-51-0	Surrogate: SURR: Terphenyl-d14	70.3 %		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	15.1		mg/kg dry	1.85	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 14:02	AGNR
7440-39-3	Barium	275		mg/kg dry	3.08	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 14:02	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.371	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 14:02	AGNR
7440-47-3	Chromium	39.5		mg/kg dry	0.618	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 14:02	AGNR
7439-92-1	Lead	18.7		mg/kg dry	0.618	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 14:02	AGNR
7782-49-2	Selenium	ND		mg/kg dry	3.09	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 14:02	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.623	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/28/2024 14:36	10/29/2024 14:02	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	ND		mg/kg dry	0.0445	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-044	10/29/2024 13:29	10/30/2024 13:55	DRS

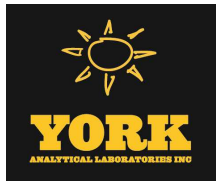
Total Solids

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	67.5		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	10/25/2024 12:18	10/25/2024 15:18	SMM



Sample Information

Client Sample ID: SB-32 0.5-2 20241022			York Sample ID: 24J1594-10		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24J1594	20240218	Soil	October 22, 2024 11:55 am	10/24/2024	

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
83-32-9	Acenaphthene	ND		mg/kg dry	0.043	0.086	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 19:13	LL
208-96-8	Acenaphthylene	ND		mg/kg dry	0.043	0.086	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 19:13	LL
120-12-7	Anthracene	0.13		mg/kg dry	0.043	0.086	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 19:13	LL
56-55-3	Benzo(a)anthracene	0.63		mg/kg dry	0.043	0.086	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 19:13	LL
50-32-8	Benzo(a)pyrene	0.60		mg/kg dry	0.043	0.086	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 19:13	LL
205-99-2	Benzo(b)fluoranthene	0.51		mg/kg dry	0.043	0.086	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 19:13	LL
191-24-2	Benzo(g,h,i)perylene	0.39		mg/kg dry	0.043	0.086	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 19:13	LL
207-08-9	Benzo(k)fluoranthene	0.49		mg/kg dry	0.043	0.086	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 19:13	LL
218-01-9	Chrysene	0.98		mg/kg dry	0.043	0.086	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 19:13	LL
53-70-3	Dibenzo(a,h)anthracene	0.19		mg/kg dry	0.043	0.086	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 19:13	LL
206-44-0	Fluoranthene	1.4		mg/kg dry	0.043	0.086	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 19:13	LL
86-73-7	Fluorene	ND		mg/kg dry	0.043	0.086	2	EPA 8270E Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	10/29/2024 10:28	10/30/2024 19:13	LL
193-39-5	Indeno(1,2,3-cd)pyrene	0.39		mg/kg dry	0.043	0.086	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 19:13	LL
91-20-3	Naphthalene	ND		mg/kg dry	0.043	0.086	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 19:13	LL
85-01-8	Phenanthrene	0.66		mg/kg dry	0.043	0.086	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 19:13	LL
129-00-0	Pyrene	1.5		mg/kg dry	0.043	0.086	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	10/29/2024 10:28	10/30/2024 19:13	LL
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	16.2 %	S-08	22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	54.4 %		21-113							
1718-51-0	Surrogate: SURR: Terphenyl-d14	75.0 %		24-116							

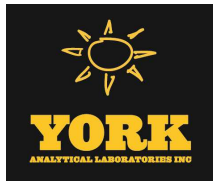
Metals, RCRA

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
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Sample Information

Client Sample ID: SB-32 0.5-2 20241022

York Sample ID: 24J1594-10

York Project (SDG) No.

24J1594

Client Project ID

20240218

Matrix

Soil

Collection Date/Time

October 22, 2024 11:55 am

Date Received

10/24/2024

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
7440-38-2	Arsenic	6.36		mg/kg dry	1.32	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:42	10/29/2024 15:10	AGNR
7440-39-3	Barium	96.1		mg/kg dry	2.20	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:42	10/29/2024 15:10	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.264	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:42	10/29/2024 15:10	AGNR
7440-47-3	Chromium	16.7		mg/kg dry	0.441	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:42	10/29/2024 15:10	AGNR
7439-92-1	Lead	12.2		mg/kg dry	0.441	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:42	10/29/2024 15:10	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.20	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:42	10/29/2024 15:10	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.444	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/28/2024 14:42	10/29/2024 15:10	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	ND		mg/kg dry	0.0317	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04	10/29/2024 13:29	10/30/2024 13:55	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	94.6		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	10/25/2024 12:18	10/25/2024 15:18	SMM



Analytical Batch Summary

Batch ID: BJ41759 **Preparation Method:** % Solids Prep **Prepared By:** SMM

YORK Sample ID	Client Sample ID	Preparation Date
24J1594-01	SB-24 1-3 20241022	10/25/24
24J1594-02	SB-28 0.5-2 20241022	10/25/24
24J1594-03	SB-25 0.5-3 20241022	10/25/24
24J1594-04	SB-37 0.5-2 20241022	10/25/24
24J1594-05	SB-26 0.5-1.5 20241022	10/25/24
24J1594-06	SB-27 0.5-2 20241022	10/25/24
24J1594-07	SB-33 0.5-2 20241022	10/25/24
24J1594-08	SB-23 0.5-2 20241022	10/25/24
24J1594-09	SB-34 0.5-3 20241022	10/25/24
24J1594-10	SB-32 0.5-2 20241022	10/25/24
BJ41759-DUP1	Duplicate	10/25/24

Batch ID: BJ41897 **Preparation Method:** EPA 3050B **Prepared By:** KMQ

YORK Sample ID	Client Sample ID	Preparation Date
24J1594-01	SB-24 1-3 20241022	10/28/24
24J1594-02	SB-28 0.5-2 20241022	10/28/24
24J1594-03	SB-25 0.5-3 20241022	10/28/24
24J1594-04	SB-37 0.5-2 20241022	10/28/24
24J1594-05	SB-26 0.5-1.5 20241022	10/28/24
24J1594-06	SB-27 0.5-2 20241022	10/28/24
24J1594-07	SB-33 0.5-2 20241022	10/28/24
24J1594-08	SB-23 0.5-2 20241022	10/28/24
24J1594-09	SB-34 0.5-3 20241022	10/28/24
BJ41897-BLK1	Blank	10/28/24
BJ41897-SRM1	Reference	10/28/24

Batch ID: BJ41900 **Preparation Method:** EPA 3050B **Prepared By:** KMQ

YORK Sample ID	Client Sample ID	Preparation Date
24J1594-10	SB-32 0.5-2 20241022	10/28/24
BJ41900-BLK1	Blank	10/28/24
BJ41900-SRM1	Reference	10/28/24

Batch ID: BJ41967 **Preparation Method:** EPA 3550C **Prepared By:** SAC

YORK Sample ID	Client Sample ID	Preparation Date
24J1594-03	SB-25 0.5-3 20241022	10/29/24
24J1594-04	SB-37 0.5-2 20241022	10/29/24
24J1594-05	SB-26 0.5-1.5 20241022	10/29/24
24J1594-06	SB-27 0.5-2 20241022	10/29/24
24J1594-07	SB-33 0.5-2 20241022	10/29/24
24J1594-08	SB-23 0.5-2 20241022	10/29/24
24J1594-09	SB-34 0.5-3 20241022	10/29/24



24J1594-10	SB-32 0.5-2 20241022	10/29/24
BJ41967-BLK1	Blank	10/29/24
BJ41967-BS1	LCS	10/29/24

Batch ID: BJ41976 **Preparation Method:** EPA 3550C **Prepared By:** JAA

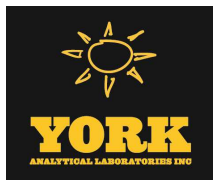
YORK Sample ID	Client Sample ID	Preparation Date
24J1594-01	SB-24 1-3 20241022	10/29/24
24J1594-02	SB-28 0.5-2 20241022	10/29/24
BJ41976-BLK1	Blank	10/29/24
BJ41976-BS1	LCS	10/29/24

Batch ID: BJ41987 **Preparation Method:** EPA 7473 soil **Prepared By:** DRS

YORK Sample ID	Client Sample ID	Preparation Date
24J1594-07	SB-33 0.5-2 20241022	10/29/24
24J1594-08	SB-23 0.5-2 20241022	10/29/24
24J1594-09	SB-34 0.5-3 20241022	10/29/24
24J1594-10	SB-32 0.5-2 20241022	10/29/24
BJ41987-BLK1	Blank	10/29/24
BJ41987-DUP1	Duplicate	10/29/24
BJ41987-MS1	Matrix Spike	10/29/24
BJ41987-SRM1	Reference	10/29/24

Batch ID: BJ42020 **Preparation Method:** EPA 7473 soil **Prepared By:** DRS

YORK Sample ID	Client Sample ID	Preparation Date
24J1594-01	SB-24 1-3 20241022	10/29/24
24J1594-02	SB-28 0.5-2 20241022	10/29/24
24J1594-03	SB-25 0.5-3 20241022	10/29/24
24J1594-04	SB-37 0.5-2 20241022	10/29/24
24J1594-05	SB-26 0.5-1.5 20241022	10/29/24
24J1594-06	SB-27 0.5-2 20241022	10/29/24
BJ42020-BLK1	Blank	10/29/24
BJ42020-SRM1	Reference	10/29/24



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
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Batch BJ41967 - EPA 3550C

Blank (BJ41967-BLK1)

Prepared: 10/29/2024 Analyzed: 10/30/2024

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	0.72		"	0.831		86.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.76		"	0.831		91.0	21-113				
Surrogate: SURR: Terphenyl-d14	0.82		"	0.831		98.4	24-116				

LCS (BJ41967-BS1)

Prepared: 10/29/2024 Analyzed: 10/30/2024

Acenaphthene	0.60	0.042	mg/kg wet	1.25		47.9	17-124				
Acenaphthylene	0.69	0.042	"	1.25		55.4	16-124				
Anthracene	0.65	0.042	"	1.25		52.5	24-124				
Benzo(a)anthracene	0.71	0.042	"	1.25		56.8	25-134				
Benzo(a)pyrene	0.68	0.042	"	1.25		54.7	29-144				
Benzo(b)fluoranthene	0.69	0.042	"	1.25		55.1	20-151				
Benzo(g,h,i)perylene	0.76	0.042	"	1.25		60.6	10-153				
Benzo(k)fluoranthene	0.68	0.042	"	1.25		54.6	10-148				
Chrysene	0.62	0.042	"	1.25		50.1	24-116				
Dibenzo(a,h)anthracene	0.81	0.042	"	1.25		65.3	17-147				
Fluoranthene	0.67	0.042	"	1.25		53.4	36-125				
Fluorene	0.67	0.042	"	1.25		54.0	16-130				
Indeno(1,2,3-cd)pyrene	0.89	0.042	"	1.25		71.5	10-155				
Naphthalene	0.65	0.042	"	1.25		51.8	20-121				
Phenanthrene	0.62	0.042	"	1.25		49.8	24-123				
Pyrene	0.67	0.042	"	1.25		53.7	24-132				
Surrogate: SURR: Nitrobenzene-d5	0.70		"	0.831		84.7	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.73		"	0.831		87.6	21-113				
Surrogate: SURR: Terphenyl-d14	0.80		"	0.831		96.5	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
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Batch BJ41976 - EPA 3550C

Blank (BJ41976-BLK1)

Prepared: 10/29/2024 Analyzed: 10/30/2024

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	"

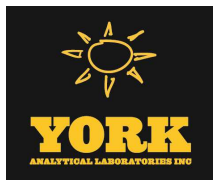
Surrogate: SURR: Nitrobenzene-d5	0.44	"	0.831	53.3	22-108
Surrogate: SURR: 2-Fluorobiphenyl	0.48	"	0.831	57.8	21-113
Surrogate: SURR: Terphenyl-d14	0.48	"	0.831	58.0	24-116

LCS (BJ41976-BS1)

Prepared: 10/29/2024 Analyzed: 10/30/2024

Acenaphthene	0.66	0.042	mg/kg wet	1.25	52.8	17-124
Acenaphthylene	0.78	0.042	"	1.25	62.3	16-124
Anthracene	0.74	0.042	"	1.25	59.2	24-124
Benzo(a)anthracene	0.80	0.042	"	1.25	64.6	25-134
Benzo(a)pyrene	0.88	0.042	"	1.25	70.8	29-144
Benzo(b)fluoranthene	0.89	0.042	"	1.25	71.2	20-151
Benzo(g,h,i)perylene	0.99	0.042	"	1.25	79.5	10-153
Benzo(k)fluoranthene	0.80	0.042	"	1.25	64.5	10-148
Chrysene	0.73	0.042	"	1.25	58.3	24-116
Dibenzo(a,h)anthracene	1.0	0.042	"	1.25	81.5	17-147
Fluoranthene	0.72	0.042	"	1.25	58.1	36-125
Fluorene	0.74	0.042	"	1.25	59.2	16-130
Indeno(1,2,3-cd)pyrene	1.1	0.042	"	1.25	88.2	10-155
Naphthalene	0.70	0.042	"	1.25	56.5	20-121
Phenanthrene	0.70	0.042	"	1.25	56.5	24-123
Pyrene	0.76	0.042	"	1.25	61.3	24-132

Surrogate: SURR: Nitrobenzene-d5	0.71	"	0.831	84.9	22-108
Surrogate: SURR: 2-Fluorobiphenyl	0.75	"	0.831	90.6	21-113
Surrogate: SURR: Terphenyl-d14	0.88	"	0.831	106	24-116



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
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Batch BJ41897 - EPA 3050B

Blank (BJ41897-BLK1)

Prepared: 10/28/2024 Analyzed: 10/29/2024

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	"

Reference (BJ41897-SRM1)

Prepared: 10/28/2024 Analyzed: 10/29/2024

Arsenic	224	1.25	mg/kg wet	283	79.2	69.9-101.4
Barium	268	2.08	"	326	82.3	73.9-107.1
Cadmium	80.5	0.250	"	95.8	84.0	72.3-103.7
Chromium	198	0.417	"	239	83.0	72.4-106.3
Lead	182	0.417	"	210	86.4	75.7-109.5
Selenium	246	2.08	"	281	87.4	77.6-116.7
Silver	59.2	0.420	"	82.7	71.5	73.7-111.7 Low Bias

Batch BJ41900 - EPA 3050B

Blank (BJ41900-BLK1)

Prepared: 10/28/2024 Analyzed: 10/29/2024

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	"



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

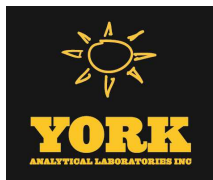
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ41900 - EPA 3050B

Reference (BJ41900-SRM1)

Prepared: 10/28/2024 Analyzed: 10/29/2024

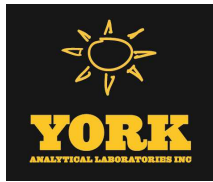
Arsenic	239	1.25	mg/kg wet	283		84.6	69.9-101.4				
Barium	309	2.08	"	326		94.9	73.9-107.1				
Cadmium	89.1	0.250	"	95.8		93.0	72.3-103.7				
Chromium	230	0.417	"	239		96.2	72.4-106.3				
Lead	191	0.417	"	210		90.8	75.7-109.5				
Selenium	262	2.08	"	281		93.1	77.6-116.7				
Silver	77.7	0.420	"	82.7		93.9	73.7-111.7				



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 BJ41987 - EPA 7473 soil											
Blank (BJ41987-BLK1)											
						Prepared: 10/29/2024 Analyzed: 10/30/2024					
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BJ41987-DUP1)											
*Source sample: 24J1594-07 (SB-33 0.5-2 20241022)						Prepared: 10/29/2024 Analyzed: 10/30/2024					
Mercury	ND	0.0321	mg/kg dry		0.470					35	
Matrix Spike (BJ41987-MS1)											
*Source sample: 24J1594-07 (SB-33 0.5-2 20241022)						Prepared: 10/29/2024 Analyzed: 10/30/2024					
Mercury	0.0154		mg/kg	0.500	0.439	NR	75-125	Low Bias			
Reference (BJ41987-SRM1)											
						Prepared: 10/29/2024 Analyzed: 10/30/2024					
Mercury	24.860		mg/kg	18.2		137	59.9-140.1				
Batch BJ42020 - EPA 7473 soil											
Blank (BJ42020-BLK1)											
						Prepared: 10/29/2024 Analyzed: 10/30/2024					
Mercury	ND	0.0300	mg/kg wet								
Reference (BJ42020-SRM1)											
						Prepared: 10/29/2024 Analyzed: 10/30/2024					
Mercury	20.515		mg/kg	18.2		113	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 Limits	Flag	RPD Limit	Flag
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Batch BJ41759 - % Solids Prep

Duplicate (BJ41759-DUP1)	*Source sample: 24J1594-10 (SB-32 0.5-2 20241022)						Prepared & Analyzed: 10/25/2024				
% Solids	94.6	0.100	%		94.6			0.0460	20		





Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) was outside the 90-110% recovery criteria.
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.

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.



Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd, #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-306-YORK

YORK Project Number
2451594

Page 1 of 1

Report To: Company: PVE ENGINEERING Address: 48 SPRINGSIDE AVE. POUGHKEEPSIE, NY 12603 Phone: 845-454-2544 Contact: A. SPADAVECCHIA E-mail: ASPADAVECCHIA@PVE-LLC.COM		Invoice To: Company: SAME Address: SAME Phone: SAME Contact: TARA ALVARADO E-mail: TALLVARADO@PVE-LLC.COM		YOUR Project Name / Number 20240218 PO Number 20240218		Samples Collected From NY ☒ CT ☐ NJ ☐ PA ☐		Turn-Around Time RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day RUSH - Five Day Standard (6-9 Day) PFAS Standard 7-10 Day	
Matrix Codes S - soils/solid/sludge GW - groundwater DW - drinking water SW - surface water WW - wastewater O - Oil Other		Matrix Time Date		Preservative (please list number of containers) Unpreserved HCl (hydrochloric acid) MeOH (methanol) HNO ₃ (nitric acid) H ₂ SO ₄ (sulfuric acid) NaOH (sodium hydroxide) Na ₂ S ₂ O ₃ (sodium thio.) Triuma Ammonium Acetate Other:		Analyses Requested		Report Type (circle) QA Report Summary (Results Only) NY ASP B Package NJ Reduced NJ DKQP NJ Full CT RCP	
Sample Identification SB-28 1-3 20241022 SB-28 0.5-2 20241022 SB-25 0.5-3 20241021 SB-32 0.5-2 20241022 SB-26 0.5-1.5 20241022 SB-21 0.5-2 20241022 SB-33 0.5-2 20241022 SB-23 0.5-2 20241022 SB-34 0.5-3 20241022 SB-32 0.5-2 20241022		Date 10-22-24 10-25 09-40 13-20 10-10 10-20 12-15 09-00 12-30 11-55		Matrix S S S S S S S S S S		EDD Type (circle) EQUIS (standard) NYSDEC EQUIS NUDEP SRP Haz Site Standard Excel CMDP Other: Regulatory Comparative Compared to the following Regulation(s): (please fill in)		Field Filtered Lab Filtered	
Comments: 1. Samples Relinquished by / Company 2. Samples Relinquished by / Company 3. Samples Relinquished by / Company 4. Samples Relinquished by / Company									
Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Custody Seals: Y / N Containers Intact: Y / N COC Labels Agree: Y / N Preservation Confirmed: Y / N COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N									
1. Samples Relinquished by / Company Date/Time: 10-24-24 / 8:25 Signature: [Signature]		2. Samples Relinquished by / Company Date/Time: 10-24-24 / 8:25 Signature: [Signature]		3. Samples Relinquished by / Company Date/Time: 10-24-24 / 15:30 Signature: [Signature]		4. Samples Relinquished by / Company Date/Time: 10-24-24 / 15:30 Signature: [Signature]		Temperature 35 degrees C	