

August 13, 2024

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

Re: **Supplemental Phase II Environmental Site Assessment**; 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 Phase II Environmental Site Assessment (ESA) in accordance with our approved scope of work, dated July 23, 2024, for 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 July 26, 2024.

1.2 Soil Borings and Sample Collection

On July 26, 2024, PVE completed a total of (8) soil borings throughout the subject property (Figure 3). These soil borings (SB-15 to SB-22) 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 12-feet below ground surface (bgs).

The project technician kept a detailed log of each core including lithology, grain size, stratigraphic changes, color, moisture content and the occurrence of refusal. Soil samples were screened in the field for the presence of Volatile Organic Compounds (VOCs) using a calibrated photoionization detector (PID) and headspace techniques. PVE personnel collected a total of eight (8) soil samples. 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;
- Diesel Range Organics (DRO) via USEPA Method 8015D;
- RCRA Metals via USEPA Method 6010/7473; &
- NY 21 List Per- & Polyfluoroalkyl Substances (PFAS) via USEPA Method 1633.

As discussed in the approved scope of work, if any petroleum or elevated PID readings were observed, soil samples were submitted to the laboratory for analysis of VOCs via USEPA Method 8260.

Soil borings are summarized below:

Boring SB-15 was advanced to 4.0 feet bgs. Soil consisted of brown/light brown silt, with clay. Groundwater was not encountered at the time of drilling (ATD). No elevated PID readings were observed. One (1) soil sample was collected from 2.0-4.0 feet bgs for laboratory analysis.

Boring SB-16 was advanced to 4.0 feet bgs. Soil consisted of brown silt, with clay. Groundwater was not encountered ATD. No elevated PID readings were observed. One (1) soil sample was collected from 2.0-4.0 feet bgs for laboratory analysis.

Boring SB-17 was advanced to 8.0 feet bgs. Soil consisted of brown silt, with clay and fill. Fill material consisted of coal and brick fragments. Groundwater was not encountered ATD. No elevated PID readings were observed. One (1) soil sample was collected from 2.0-4.0 feet bgs for laboratory analysis.

Boring SB-18 was advanced via to 8.0 feet bgs. Soil consisted of brown/dark brown silt, with clay, some gravel and fill. Fill material consisted of brick and coal fragments and some ash. Groundwater was not encountered ATD. No elevated PID readings were observed. One (1) soil sample was collected from 2.0-4.0 feet bgs for laboratory analysis.

Boring SB-19 was advanced to 16.0 feet bgs. Soil consisted of gray silt, with clay, with fill. Fill material consisted of brick, coal fragments and ash. Groundwater was not encountered ATD. No elevated PID readings were observed. One (1) soil sample was collected from 8.0-11.0 feet bgs for laboratory analysis.

Boring SB-20 was advanced to 12.0 feet bgs. Soil consisted of black/dark gray silt, some clay, comingled with fill. Fill material consisted of brick and coal fragments. Groundwater was not encountered ATD. No elevated PID readings were observed. One (1) soil sample was collected from 7.0-8.0 feet bgs for laboratory analysis.

Boring SB-21 was advanced to 12.0 feet bgs. Soil consisted of brown silt, with clay to gray clay with silt. Groundwater was not encountered ATD. No elevated PID readings were observed. One (1) soil sample was collected from 3.5-5.0 feet bgs for laboratory analysis.

Boring SB-22 was advanced to 12.0 feet bgs. Soil consisted of light gray sit, with clay; visual and olfactory evidence of petroleum contamination was encountered. Groundwater was not encountered ATD. A maximum PID reading of 32.7 ppm was recorded from 5.0-6.0 feet bgs. One (1) soil sample was collected from 5.0-6.0 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.

2.0 RESULTS

Soil sample results are summarized in Tables 1-5. Analytical reports are attached.

2.1 Soil Samples

Analytical results from soil samples are summarized in Table 1-5 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.

2.1.1 VOCs

Only one (1) of the eight (8) soil samples collected was analyzed for VOCs (SB-22 5-6'). Four (4) VOCs were detected in the sample. No VOCs were detected at concentrations exceeding either UUSCOs and RRSCOs.

2.1.2 SVOCs

SVOCs were detected in seven (7) of the eight (8) soil samples collected and analyzed. SVOCs were detected in two (2) of the eight (8) soil samples at concentrations exceeding both UUSCOs and RRSCOs. Exceedances are defined below:

- SB-18 (2-4-feet)
 - Benzo(A)anthracene (1.9 mg/kg)
 - Benzo(A)pyrene (2.1 mg/kg)
 - Benzo(b)fluoranthene (2.6 mg/kg)
 - Benzo(k)fluoranthene (0.88 mg/kg)
 - Chrysene (2.1 mg/kg)
 - Indeno(1,2,3-cd)pyrene (1.6 mg/kg)
- SB-20 (7-8-feet)
 - Benzo(A)anthracene (2.8 mg/kg)
 - Benzo(A)pyrene (2.8 mg/kg)
 - Benzo(b)fluoranthene (2.3 mg/kg)
 - Benzo(k)fluoranthene (1.4 mg/kg)
 - Chrysene (2.9 mg/kg)
 - Dibenz(A,H)anthracene (0.54 mg/kg)
 - Indeno(1,2,3-cd)pyrene (2.5 mg/kg)

Bold font indicates RRSCO exceedance.

2.1.3 Metals

Metals were detected in all eight (8) soil samples collected and analyzed. Metals were detected in six (6) of the eight (8) soil samples at concentrations exceeding UUSCOs; metals were detected in two (2) of the six (6) soil samples at concentrations exceeding RRSCOs. Exceedances are defined below:

- SB-16 (0-2-feet)
 - Mercury (0.218 mg/kg)
- SB-17 (2-4-feet)
 - Lead (332 mg/kg)
 - Mercury (1.16 mg/kg)

- SB-18 (2-4-feet)
 - Lead (331 mg/kg)
 - Mercury (0.380 mg/kg)
- SB-19 (8-11-feet)
 - Lead (77.2 mg/kg)
 - Mercury (0.364 mg/kg)
- SB-20 (7-8-feet)
 - Arsenic (14.5 mg/kg)
 - **Lead (951 mg/kg)**
 - **Mercury (1.21 mg/kg)**
- SB-21 (3.5-5-feet)
 - Chromium, Total (34.2 mg/kg)
 - Lead (234 mg/kg)
 - Mercury (0.463 mg/kg)

Bold font indicates RRSCO exceedance.

2.1.4 Diesel Range Organics

DRO were detected in seven (7) of the eight (8) soil samples collected and analyzed.

2.1.5 Per- & Polyfluoroalkyl Substances

PFAS were detected in all of the eight (8) soil samples collected and analyzed. No PFAS were detected at concentrations exceeding either UUSCOs or RRSCOs.

3.0 DISCUSSION and CONCLUSIONS

3.1 Soil

1. Eight (8) soil borings were installed throughout the subject property during this supplemental investigation. One (1) soil sample was collected from each of the eight (8) soil borings for laboratory analysis.
2. No VOCs were detected in the one (1) soil sample analyzed for these compounds at concentrations exceeding either UUSCOs or RRSCOs.
3. SVOCs were detected in two (2) of the eight (8) soil samples at concentrations exceeding both UUSCOs and RRSCOs.
4. Metals were detected in six (6) of the eight (8) soil samples at concentrations exceeding UUSCOs; and metals were detected in two (2) of the six (6) soil samples at concentrations exceeding RRSCOs.
5. DRO were detected in seven (7) of the eight (8) soil samples collected and analyzed.
6. No PFAS were detected in soil samples at concentrations exceeding either UUSCOs and RRSCOs.

4.0 RECOMMENDATIONS

1. SVOCs and metals were detected in soil samples at concentrations suggesting the past site operations have adversely affected the subject property. Three (3) 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

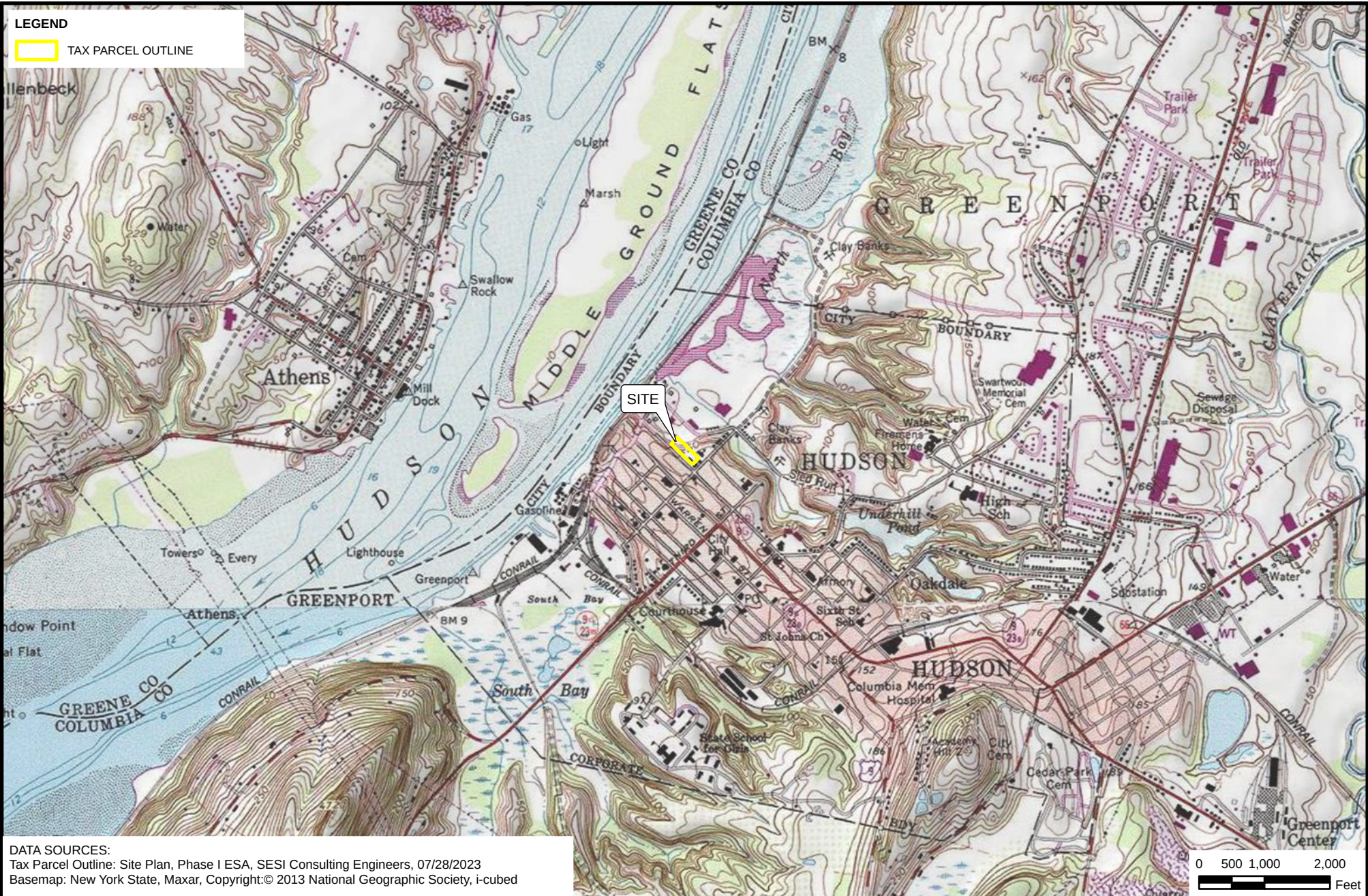
A handwritten signature in black ink, appearing to read "C. B. Tarbell", written in a cursive style.

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 – 5)
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



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.

20240218

N



FIGURE 2

DATE: 05/24/2024

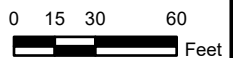
SCALE: AS INDICATED

PROJECTION: STATE PLANE NAD83 NY EAST

ALL LOCATIONS APPROXIMATE



DATA SOURCES:
Tax Parcel Outline: Columbia County Tax Parcel Access
Basemap: New York State, Maxar, Microsoft, New York State, Earthstar Geographics



 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.	FIGURE 3
		20240218	DATE: 07/30/2024
			SCALE: AS INDICATED
			PROJECTION: STATE PLANE NAD83 NY EAST
			ALL LOCATIONS APPROXIMATE

TABLES

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

					Date Sampled	7/26/2024		
					Location	SB-22		
					Sample ID	SB-22 5-6 20240726		
Method	Analyte	CAS RN	UUSCOs	RRSCOs	Unit	Result	Unit	Q
SW8260	1,1,1,2-Tetrachloroethane	630-20-6	NE	NE		ND< 0.0055	mg/kg	U
SW8260	1,1,1-Trichloroethane (TCA)	71-55-6	0.68	100	mg/kg	ND< 0.0055	mg/kg	U
SW8260	1,1,2,2-Tetrachloroethane	79-34-5	NE	NE		ND< 0.0055	mg/kg	U
SW8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NE	NE		ND< 0.0055	mg/kg	U
SW8260	1,1,2-Trichloroethane	79-00-5	NE	NE		ND< 0.0055	mg/kg	U
SW8260	1,1-Dichloroethane	75-34-3	0.27	26	mg/kg	ND< 0.0055	mg/kg	U
SW8260	1,1-Dichloroethene	75-35-4	0.33	100	mg/kg	ND< 0.0055	mg/kg	U
SW8260	1,2,3-Trichlorobenzene	87-61-6	NE	NE		ND< 0.0055	mg/kg	U
SW8260	1,2,3-Trichloropropane	96-18-4	NE	NE		ND< 0.0055	mg/kg	U
SW8260	1,2,4-Trichlorobenzene	120-82-1	NE	NE		ND< 0.0055	mg/kg	U
SW8260	1,2,4-Trimethylbenzene	95-63-6	3.6	52	mg/kg	ND< 0.0055	mg/kg	U
SW8260	1,2-Dibromo-3-Chloropropane	96-12-8	NE	NE		ND< 0.0055	mg/kg	U
SW8260	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NE	NE		ND< 0.0055	mg/kg	U
SW8260	1,2-Dichlorobenzene	95-50-1	1.1	100	mg/kg	ND< 0.0055	mg/kg	U
SW8260	1,2-Dichloroethane	107-06-2	0.02	3.1	mg/kg	ND< 0.0055	mg/kg	U
SW8260	1,2-Dichloropropane	78-87-5	NE	NE		ND< 0.0055	mg/kg	U
SW8260	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	8.4	52	mg/kg	ND< 0.0055	mg/kg	U
SW8260	1,3-Dichlorobenzene	541-73-1	2.4	49	mg/kg	ND< 0.0055	mg/kg	U
SW8260	1,4-Dichlorobenzene	106-46-7	1.8	13	mg/kg	ND< 0.0055	mg/kg	U
SW8260	1,4-Dioxane (P-Dioxane)	123-91-1	0.1	13	mg/kg	ND< 0.11	mg/kg	U
SW8260	2-Hexanone	591-78-6	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Acetone	67-64-1	0.05	100	mg/kg	0.035	mg/kg	
SW8260	Acrolein	107-02-8	NE	NE		ND< 0.011	mg/kg	U
SW8260	Acrylonitrile	107-13-1	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Benzene	71-43-2	0.06	4.8	mg/kg	ND< 0.0055	mg/kg	U
SW8260	Bromochloromethane	74-97-5	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Bromodichloromethane	75-27-4	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Bromoform	75-25-2	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Bromomethane	74-83-9	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Carbon Disulfide	75-15-0	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Carbon Tetrachloride	56-23-5	0.76	2.4	mg/kg	ND< 0.0055	mg/kg	U
SW8260	Chlorobenzene	108-90-7	1.1	100	mg/kg	ND< 0.0055	mg/kg	U
SW8260	Chloroethane	75-00-3	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Chloroform	67-66-3	0.37	49	mg/kg	ND< 0.0055	mg/kg	U
SW8260	Chloromethane	74-87-3	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Cis-1,2-Dichloroethylene	156-59-2	0.25	100	mg/kg	ND< 0.0055	mg/kg	U
SW8260	Cis-1,3-Dichloropropene	10061-01-5	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Cyclohexane	110-82-7	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Dibromochloromethane	124-48-1	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Dibromomethane	74-95-3	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Dichlorodifluoromethane	75-71-8	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Ethylbenzene	100-41-4	1	41	mg/kg	ND< 0.0055	mg/kg	U
SW8260	Hexachlorobutadiene	87-68-3	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Isopropylbenzene (Cumene)	98-82-8	NE	NE		ND< 0.0055	mg/kg	U
SW8260	m,p-Xylene	179601-23-1	NE	NE		ND< 0.011	mg/kg	U
SW8260	Methyl Acetate	79-20-9	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	100	mg/kg	0.0051	mg/kg	J
SW8260	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Methylcyclohexane	108-87-2	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Methylene Chloride	75-09-2	0.05	100	mg/kg	ND< 0.011	mg/kg	U
SW8260	N-Butylbenzene	104-51-8	12	100	mg/kg	0.0055	mg/kg	J
SW8260	N-Propylbenzene	103-65-1	3.9	100	mg/kg	ND< 0.0055	mg/kg	U
SW8260	O-Xylene (1,2-Dimethylbenzene)	95-47-6	0.26	100	mg/kg	ND< 0.0055	mg/kg	U
SW8260	P-Cymene (P-Isopropyltoluene)	CYMP	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Sec-Butylbenzene	135-98-8	11	100	mg/kg	0.0095	mg/kg	
SW8260	Styrene	100-42-5	NE	NE		ND< 0.0055	mg/kg	U
SW8260	T-Butylbenzene	98-06-6	5.9	100	mg/kg	ND< 0.0055	mg/kg	U
SW8260	Tert-Butyl Alcohol	75-65-0	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Tert-Butyl Methyl Ether	1634-04-4	0.93	100	mg/kg	ND< 0.0055	mg/kg	U
SW8260	Tetrachloroethylene (PCE)	127-18-4	1.3	19	mg/kg	ND< 0.0055	mg/kg	U
SW8260	Toluene	108-88-3	0.7	100	mg/kg	ND< 0.0055	mg/kg	U
SW8260	Trans-1,2-Dichloroethene	156-60-5	0.19	100	mg/kg	ND< 0.0055	mg/kg	U
SW8260	Trans-1,3-Dichloropropene	10061-02-6	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Trans-1,4-Dichloro-2-Butene	110-57-6	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Trichloroethylene (TCE)	79-01-6	0.47	21	mg/kg	ND< 0.0055	mg/kg	U
SW8260	Trichlorofluoromethane	75-69-4	NE	NE		ND< 0.0055	mg/kg	U
SW8260	Vinyl Chloride	75-01-4	0.02	0.9	mg/kg	ND< 0.0055	mg/kg	U
SW8260	Xylenes	1330-20-7	0.26	100	mg/kg	ND< 0.017	mg/kg	U

Notes:

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

Yellow Shading designates those compounds detected at concentrations exceeding UUSCOs;

Orange shading designates those compounds detected at concentration exceeding RRSCOs;

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

NE = No standard established; &

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

Table 2 - 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 Location Sample ID						7/26/2024 SB-15			7/26/2024 SB-16			7/26/2024 SB-17			7/26/2024 SB-18			7/26/2024 SB-19			7/26/2024 SB-20			7/26/2024 SB-21			7/26/2024 SB-22		
						SB-15 2-4 20240726			SB-16 0-2 20240726			SB-17 2-4 20240726			SB-18 2-4 20240726			SB-19 8-11 20240726			SB-20 7-8 20240726			SB-21 3.5-5 20240726			SB-22 5-6 20240726		
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
SW8270	Acenaphthene	83-32-9	20	100	mg/kg	ND < 0.12	mg/kg	U	ND < 0.11	mg/kg	U	ND < 0.098	mg/kg	U	0.096	mg/kg		ND < 0.11	mg/kg	U	0.17	mg/kg		ND < 0.12	mg/kg	U	ND < 0.10	mg/kg	U
SW8270	Acenaphthylene	208-96-8	100	100	mg/kg	ND < 0.12	mg/kg	U	ND < 0.11	mg/kg	U	0.066	mg/kg	J	0.36	mg/kg		ND < 0.11	mg/kg	U	0.53	mg/kg		ND < 0.12	mg/kg	U	ND < 0.10	mg/kg	U
SW8270	Anthracene	120-12-7	100	100	mg/kg	ND < 0.12	mg/kg	U	ND < 0.11	mg/kg	U	0.11	mg/kg		0.50	mg/kg		ND < 0.11	mg/kg	U	0.76	mg/kg		0.068	mg/kg	J	ND < 0.10	mg/kg	U
SW8270	Benzo(A)Anthracene	56-55-3	1	1	mg/kg	ND < 0.12	mg/kg	U	ND < 0.11	mg/kg	U	0.41	mg/kg		1.9	mg/kg		0.15	mg/kg		2.8	mg/kg		0.28	mg/kg		ND < 0.10	mg/kg	U
SW8270	Benzo(A)Pyrene	50-32-8	1	1	mg/kg	ND < 0.12	mg/kg	U	ND < 0.11	mg/kg	U	0.45	mg/kg		2.1	mg/kg		0.19	mg/kg		2.8	mg/kg		0.24	mg/kg		ND < 0.10	mg/kg	U
SW8270	Benzo(B)Fluoranthene	205-99-2	1	1	mg/kg	ND < 0.12	mg/kg	U	0.059	mg/kg	J	0.58	mg/kg		2.6	mg/kg		0.27	mg/kg		2.3	mg/kg		0.38	mg/kg		ND < 0.10	mg/kg	U
SW8270	Benzo(G,H,I)Perylene	191-24-2	100	100	mg/kg	ND < 0.12	mg/kg	U	ND < 0.11	mg/kg	U	0.45	mg/kg		1.5	mg/kg		0.16	mg/kg		2.2	mg/kg		0.19	mg/kg		ND < 0.10	mg/kg	U
SW8270	Benzo(K)Fluoranthene	207-08-9	0.8	3.9	mg/kg	ND < 0.12	mg/kg	U	ND < 0.11	mg/kg	U	0.22	mg/kg		0.88	mg/kg		0.10	mg/kg	J	1.4	mg/kg		0.13	mg/kg		ND < 0.10	mg/kg	U
SW8270	Chrysene	218-01-9	1	3.9	mg/kg	ND < 0.12	mg/kg	U	ND < 0.11	mg/kg	U	0.39	mg/kg		2.1	mg/kg		0.19	mg/kg		2.9	mg/kg		0.37	mg/kg		ND < 0.10	mg/kg	U
SW8270	Dibenz(A,H)Anthracene	53-70-3	0.33	0.33	mg/kg	ND < 0.12	mg/kg	U	ND < 0.11	mg/kg	U	0.091	mg/kg	J	0.33	mg/kg		ND < 0.11	mg/kg	U	0.54	mg/kg		ND < 0.12	mg/kg	U	ND < 0.10	mg/kg	U
SW8270	Fluoranthene	206-44-0	100	100	mg/kg	ND < 0.12	mg/kg	U	0.062	mg/kg	J	0.84	mg/kg		5.0	mg/kg		0.34	mg/kg		5.7	mg/kg		0.73	mg/kg		ND < 0.10	mg/kg	U
SW8270	Fluorene	86-73-7	30	100	mg/kg	ND < 0.12	mg/kg	U	ND < 0.11	mg/kg	U	ND < 0.098	mg/kg	U	0.13	mg/kg		ND < 0.11	mg/kg	U	0.23	mg/kg		ND < 0.12	mg/kg	U	0.31	mg/kg	
SW8270	Indeno(1,2,3-C,D)Pyrene	193-39-5	0.5	0.5	mg/kg	ND < 0.12	mg/kg	U	ND < 0.11	mg/kg	U	0.47	mg/kg		1.6	mg/kg		0.19	mg/kg		2.5	mg/kg		0.22	mg/kg		ND < 0.10	mg/kg	U
SW8270	Naphthalene	91-20-3	12	100	mg/kg	ND < 0.12	mg/kg	U	ND < 0.11	mg/kg	U	ND < 0.098	mg/kg	U	0.056	mg/kg	J	ND < 0.11	mg/kg	U	0.16	mg/kg		ND < 0.12	mg/kg	U	ND < 0.10	mg/kg	U
SW8270	Phenanthrene	85-01-8	100	100	mg/kg	ND < 0.12	mg/kg	U	ND < 0.11	mg/kg	U	0.43	mg/kg		2.2	mg/kg		0.066	mg/kg	J	3.3	mg/kg		0.44	mg/kg		ND < 0.10	mg/kg	U
SW8270	Pyrene	129-00-0	100	100	mg/kg	ND < 0.12	mg/kg	U	ND < 0.11	mg/kg	U	0.81	mg/kg		5.2	mg/kg		0.28	mg/kg		5.7	mg/kg		0.70	mg/kg		0.082	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 3 - 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 Location Sample ID					7/26/2024 SB-15 SB-15 2-4 20240726			7/26/2024 SB-16 SB-16 0-2 20240726			7/26/2024 SB-17 SB-17 2-4 20240726			7/26/2024 SB-18 SB-18 2-4 20240726			7/26/2024 SB-19 SB-19 8-11 20240726			7/26/2024 SB-20 SB-20 7-8 20240726			7/26/2024 SB-21 SB-21 3.5-5 20240726			7/26/2024 SB-22 SB-22 5-6 20240726			
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
SW6010	Arsenic	7440-38-2	13	16	mg/kg	8.12	mg/kg		7.32	mg/kg		10.0	mg/kg		9.43	mg/kg		3.30	mg/kg		14.5	mg/kg		9.27	mg/kg		6.73	mg/kg	
SW6010	Barium	7440-39-3	350	400	mg/kg	123	mg/kg		96.9	mg/kg		299	mg/kg		189	mg/kg		73.9	mg/kg		240	mg/kg		307	mg/kg		133	mg/kg	
SW6010	Cadmium	7440-43-9	2.5	4.3	mg/kg	ND < 0.353	mg/kg	U	ND < 0.324	mg/kg	U	0.479	mg/kg		0.493	mg/kg		ND < 0.322	mg/kg	U	1.26	mg/kg		0.519	mg/kg		ND < 0.313	mg/kg	U
SW6010	Chromium, Total	7440-47-3	31	290	mg/kg	20.5	mg/kg		18.5	mg/kg		29.2	mg/kg		19.2	mg/kg		8.92	mg/kg		24.0	mg/kg		34.2	mg/kg		24.0	mg/kg	
SW6010	Lead	7439-92-1	63	400	mg/kg	14.4	mg/kg		14.8	mg/kg		332	mg/kg		331	mg/kg		77.2	mg/kg		951	mg/kg		234	mg/kg		13.5	mg/kg	
SW6010	Selenium	7782-49-2	3.9	180	mg/kg	ND < 2.94	mg/kg	U	ND < 2.7	mg/kg	U	ND < 2.44	mg/kg	U	ND < 2.42	mg/kg	U	ND < 2.68	mg/kg	U	ND < 2.44	mg/kg	U	ND < 3.02	mg/kg	U	ND < 2.61	mg/kg	U
SW6010	Silver	7440-22-4	2	180	mg/kg	ND < 0.593	mg/kg	U	ND < 0.544	mg/kg	U	ND < 0.493	mg/kg	U	ND < 0.487	mg/kg	U	ND < 0.541	mg/kg	U	ND < 0.491	mg/kg	U	ND < 0.608	mg/kg	U	ND < 0.526	mg/kg	U
SW7473	Mercury	7439-97-6	0.18	0.81	mg/kg	ND < 0.0424	mg/kg	U	0.218	mg/kg		1.16	mg/kg		0.380	mg/kg		0.364	mg/kg		1.21	mg/kg		0.463	mg/kg		0.0499	mg/kg	

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

Table 4 - Diesel Range Organics (DRO) in Soil Samples
41 North 2nd Street, Hudson, New York
PVE File #20240218

Date Sampled Location				7/26/2024 SB-15			7/26/2024 SB-16			7/26/2024 SB-17			7/26/2024 SB-18			7/26/2024 SB-19			7/26/2024 SB-20			7/26/2024 SB-21			7/26/2024 SB-22		
Sample ID				SB-15 2-4 20240726			SB-16 0-2 20240726			SB-17 2-4 20240726			SB-18 2-4 20240726			SB-19 8-11 20240726			SB-20 7-8 20240726			SB-21 3.5-5 20240726			SB-22 5-6 20240726		
Method	Analyte	CAS RN	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
SW8015	Diesel Range Organics	68334-30-5		ND< 13.4	mg/kg	U	15.2	mg/kg		19.2	mg/kg		122	mg/kg		ND< 12.4	mg/kg	U	133	mg/kg		27.3	mg/kg		731	mg/kg	

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

Table 5 - PFAS in Soil Samples
 Compared to UUSCOs and RRSCOs per 6 NYCRR Part 375
 41 North 2nd Street, Hudson, New York
 PVE File #20240218

Method		Analyte	CAS RN	UUSCOs	RRSCOs	Unit	Date Sampled		7/26/2024		7/26/2024		7/26/2024		7/26/2024		7/26/2024		7/26/2024		7/26/2024		7/26/2024		7/26/2024		7/26/2024		7/26/2024					
							Location		SB-15		SB-16		SB-17		SB-18		SB-19		SB-20		SB-21		SB-22		SB-23		SB-24		SB-25		SB-26		SB-27	
							Sample ID	Result	Unit	Result	Unit	Result	Unit	Result	Unit	Result	Unit	Result	Unit	Result	Unit	Result	Unit	Result	Unit	Result	Unit	Result	Unit	Result	Unit	Result	Unit	Result
E1633	13C2-Perfluorotetradecanoic acid	13C2PFTEDA	NE	NE		1.26	ug/kg		1.32	ug/kg		1.19	ug/kg		1.12	ug/kg		1.54	ug/kg		1.18	ug/kg		1.28	ug/kg		1.27	ug/kg						
E1633	13C3-Perfluorohexanesulfonic acid	13C3PFHXS	NE	NE		3.34	ug/kg		2.71	ug/kg		3.17	ug/kg		2.95	ug/kg		3.36	ug/kg		3.45	ug/kg		3.47	ug/kg		3.20	ug/kg						
E1633	13C4-Perfluorobutanoic acid	13C4PFBA	NE	NE		4.87	ug/kg		1.01	ug/kg		13.4	ug/kg		0.395	ug/kg		0.787	ug/kg		6.73	ug/kg		6.77	ug/kg		0.505	ug/kg						
E1633	13C4-Perfluorohexanoic acid	13C4PFHPA	NE	NE		3.21	ug/kg		2.89	ug/kg		2.93	ug/kg		2.47	ug/kg		3.10	ug/kg		3.04	ug/kg		2.89	ug/kg		2.92	ug/kg						
E1633	13C5-Perfluorohexanoic acid	13C5PFHXA	NE	NE		3.58	ug/kg		3.02	ug/kg		3.47	ug/kg		2.59	ug/kg		3.32	ug/kg		3.59	ug/kg		3.41	ug/kg		3.24	ug/kg						
E1633	13C5-Perfluoropentanoic acid	13C5PFPEA	NE	NE		7.36	ug/kg		5.77	ug/kg		6.65	ug/kg		4.00	ug/kg		6.29	ug/kg		6.74	ug/kg		6.50	ug/kg		5.51	ug/kg						
E1633	13C6-Perfluorodecanoic acid	13C6PFDA	NE	NE		1.84	ug/kg		1.65	ug/kg		1.84	ug/kg		1.37	ug/kg		1.81	ug/kg		1.59	ug/kg		1.73	ug/kg		1.53	ug/kg						
E1633	13C7-Perfluoroundecanoic acid	13C7PFUNA	NE	NE		1.88	ug/kg		1.86	ug/kg		2.13	ug/kg		1.61	ug/kg		1.95	ug/kg		1.89	ug/kg		2.03	ug/kg		2.00	ug/kg						
E1633	13C8-Perfluorooctanesulfonamide	13C8FOSA	NE	NE		2.47	ug/kg		3.01	ug/kg		2.31	ug/kg		1.97	ug/kg		2.80	ug/kg		2.42	ug/kg		2.61	ug/kg		2.77	ug/kg						
E1633	13C8-Perfluorooctanesulfonate	13C8PFOS	NE	NE		2.99	ug/kg		3.41	ug/kg		3.58	ug/kg		3.23	ug/kg		3.71	ug/kg		3.95	ug/kg		3.97	ug/kg		3.26	ug/kg						
E1633	13C8-Perfluorooctanoic acid	13C8PFOA	NE	NE		3.30	ug/kg		2.99	ug/kg		3.57	ug/kg		2.80	ug/kg		3.30	ug/kg		3.52	ug/kg		3.52	ug/kg		3.40	ug/kg						
E1633	13C9-Perfluorononanoic acid	13C9PFNA	NE	NE		1.74	ug/kg		1.36	ug/kg		1.59	ug/kg		1.43	ug/kg		1.53	ug/kg		2.03	ug/kg		1.83	ug/kg		1.46	ug/kg						
E1633	2-(N-methyl perfluorooctanesulfonamido) acetic acid	2355-31-9	NE	NE		ND< 0.263	ug/kg	U	ND< 0.227	ug/kg	U	ND< 0.24	ug/kg	U	ND< 0.23	ug/kg	U	ND< 0.251	ug/kg	U	ND< 0.234	ug/kg	U	ND< 0.249	ug/kg	U	ND< 0.238	ug/kg	U					
E1633	2,4-Dichlorophenylacetic Acid	19719-28-9	NE	NE		1.41	ug/kg		1.50	ug/kg		1.59	ug/kg		1.43	ug/kg		1.55	ug/kg		1.46	ug/kg		1.91	ug/kg		1.61	ug/kg						
E1633	N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid	D5-NETFOSAA	NE	NE		4.63	ug/kg		6.83	ug/kg		6.69	ug/kg		5.85	ug/kg		7.02	ug/kg		6.88	ug/kg		7.53	ug/kg		6.41	ug/kg						
E1633	N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid	D3-NMEFOSAA	NE	NE		4.14	ug/kg		5.58	ug/kg		5.19	ug/kg		5.21	ug/kg		5.55	ug/kg		6.23	ug/kg		6.26	ug/kg		4.99	ug/kg						
E1633	N-Ethyl-N-(heptadecafluorooctyl)sulphonyl glycine	2991-50-6	NE	NE		ND< 0.263	ug/kg	U	ND< 0.227	ug/kg	U	ND< 0.24	ug/kg	U	ND< 0.23	ug/kg	U	ND< 0.251	ug/kg	U	ND< 0.234	ug/kg	U	ND< 0.249	ug/kg	U	ND< 0.238	ug/kg	U					
E1633	Perfluoro(2-Propoxypropanoic) Acid	13252-13-6	NE	NE		ND< 1.05	ug/kg	U	ND< 0.91	ug/kg	U	ND< 0.96	ug/kg	U	ND< 0.921	ug/kg	U	ND< 1.0	ug/kg	U	ND< 0.938	ug/kg	U	ND< 0.997	ug/kg	U	ND< 0.953	ug/kg	U					
E1633	Perfluoro(2,3,4-13C3)Butanesulfonic Acid (M3Pbts)	M3Pbts	NE	NE		3.95	ug/kg		2.84	ug/kg		3.34	ug/kg		3.07	ug/kg		3.40	ug/kg		3.65	ug/kg		3.78	ug/kg		3.40	ug/kg						
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	NE		ND< 0.233	ug/kg	U	ND< 0.201	ug/kg	U	ND< 0.212	ug/kg	U	ND< 0.204	ug/kg	U	ND< 0.222	ug/kg	U	ND< 0.207	ug/kg	U	ND< 0.221	ug/kg	U	ND< 0.211	ug/kg	U					
E1633	Perfluorobutanoic Acid	375-22-4	NE	NE		ND< 1.05	ug/kg	U	ND< 0.91	ug/kg	U	ND< 0.96	ug/kg	U	ND< 0.921	ug/kg	U	ND< 1.0	ug/kg	U	ND< 0.938	ug/kg	U	ND< 0.997	ug/kg	U	ND< 0.953	ug/kg	U					
E1633	Perfluorodecane Sulfonic Acid	335-77-3	NE	NE		ND< 0.254	ug/kg	U	ND< 0.219	ug/kg	U	ND< 0.231	ug/kg	U	ND< 0.222	ug/kg	U	ND< 0.242	ug/kg	U	ND< 0.226	ug/kg	U	ND< 0.241	ug/kg	U	ND< 0.23	ug/kg	U					
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NE	NE		ND< 0.263	ug/kg	U	ND< 0.227	ug/kg	U	ND< 0.24	ug/kg	U	ND< 0.23	ug/kg	U	ND< 0.251	ug/kg	U	ND< 0.234	ug/kg	U	ND< 0.249	ug/kg	U	ND< 0.238	ug/kg	U					
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NE	NE		ND< 0.263	ug/kg	U	ND< 0.227	ug/kg	U	ND< 0.24	ug/kg	U	ND< 0.23	ug/kg	U	ND< 0.251	ug/kg	U	ND< 0.234	ug/kg	U	ND< 0.249	ug/kg	U	ND< 0.238	ug/kg	U					
E1633	Perfluoroheptane Sulfonate (PFHPS)	375-92-8	NE	NE		ND< 0.263	ug/kg	U	ND< 0.227	ug/kg	U	ND< 0.24	ug/kg	U	ND< 0.23	ug/kg	U	ND< 0.251	ug/kg	U	ND< 0.234	ug/kg	U	ND< 0.249	ug/kg	U	ND< 0.238	ug/kg	U					
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NE	NE		ND< 0.263	ug/kg	U	ND< 0.227	ug/kg	U	ND< 0.24	ug/kg	U	ND< 0.23	ug/kg	U	ND< 0.251	ug/kg	U	ND< 0.234	ug/kg	U	ND< 0.249	ug/kg	U	ND< 0.238	ug/kg	U					
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NE	NE		ND< 0.241	ug/kg	U	ND< 0.208	ug/kg	U	ND< 0.219	ug/kg	U	ND< 0.211	ug/kg	U	ND< 0.229	ug/kg	U	ND< 0.214	ug/kg	U	ND< 0.228	ug/kg	U	ND< 0.218	ug/kg	U					
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NE	NE		ND< 0.263	ug/kg	U	ND< 0.227	ug/kg	U	ND< 0.24	ug/kg	U	ND< 0.23	ug/kg	U	ND< 0.251	ug/kg	U	ND< 0.234	ug/kg	U	ND< 0.249	ug/kg	U	ND< 0.238	ug/kg	U					
E1633	Perfluorononanesulfonic acid (PFNS)	68259-12-1	NE	NE		ND< 0.253	ug/kg	U	ND< 0.218	ug/kg	U	ND< 0.23	ug/kg	U	ND< 0.221	ug/kg	U	ND< 0.24	ug/kg	U	ND< 0.225	ug/kg	U	ND< 0.239	ug/kg	U	ND< 0.229	ug/kg	U					
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NE	NE		ND< 0.263	ug/kg	U	ND< 0.227	ug/kg	U	2.02	ug/kg	U	ND< 0.23	ug/kg	U	ND< 0.251	ug/kg	U	ND< 0.234	ug/kg	U	ND< 0.249	ug/kg	U	ND< 0.238	ug/kg	U					
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NE	NE		ND< 0.263	ug/kg	U	ND< 0.227	ug/kg	U	ND< 0.24	ug/kg	U	ND< 0.23	ug/kg	U	ND< 0.251	ug/kg	U	ND< 0.234	ug/kg	U	ND< 0.249	ug/kg	U	ND< 0.238	ug/kg	U					
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.88	44	ug/kg	ND< 0.245	ug/kg	U	ND< 0.212	ug/kg	U	0.200	ug/kg	J	0.289	ug/kg	U	ND< 0.233	ug/kg	U	ND< 0.218	ug/kg	U	ND< 0.232	ug/kg	U	ND< 0.222	ug/kg	U					
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	0.66	33	ug/kg	ND< 0.263	ug/kg	U	ND< 0.227	ug/kg	U	ND< 0.24	ug/kg	U	ND< 0.23	ug/kg	U	ND< 0.251	ug/kg	U	ND< 0.234	ug/kg	U	ND< 0.249	ug/kg	U	ND< 0.238	ug/kg	U					
E1633	Perfluoropentanesulfonic acid (PFPeS)	2706-91-4	NE	NE		ND< 0.247	ug/kg	U	ND< 0.214	ug/kg	U	ND< 0.225	ug/kg	U	ND< 0.217	ug/kg	U	ND< 0.235	ug/kg	U	ND< 0.22	ug/kg	U	ND< 0.234	ug/kg	U	ND< 0.224	ug/kg	U					
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NE	NE		ND< 0.526	ug/kg	U	ND< 0.455	ug/kg	U	ND< 0.48	ug/kg	U	ND< 0.461	ug/kg	U	ND< 0.501	ug/kg	U	ND< 0.469	ug/kg	U	ND< 0.498	ug/kg	U	ND< 0.477	ug/kg	U					
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NE	NE		ND< 0.263	ug/kg	U	ND< 0.227	ug/kg	U	ND< 0.24	ug/kg	U	ND< 0.23	ug/kg	U	ND< 0.251	ug/kg	U	ND< 0.234	ug/kg	U	ND< 0.249	ug/kg	U	ND< 0.238	ug/kg	U					
E1633	Perfluorotridecanoic Acid (PFTtA)	72629-94-8	NE	NE		ND< 0.263	ug/kg	U	ND< 0.227	ug/kg	U	ND< 0.24	ug/kg	U	ND< 0.23	ug/kg	U	ND< 0.251	ug/kg	U	ND< 0.234	ug/kg	U	ND< 0.249	ug/kg	U	ND< 0.238	ug/kg	U					
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NE	NE		ND< 0.263	ug/kg	U	ND< 0.227	ug/kg	U	ND< 0.24	ug/kg	U	ND< 0.23	ug/kg	U	ND< 0.251	ug/kg	U	ND< 0.234	ug/kg	U	ND< 0.249	ug/kg	U	ND< 0.238	ug/kg	U					
E1633	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	39108-34-4	NE	NE		ND< 1.01	ug/kg	U	ND< 0.873	ug/kg	U	ND< 0.921	ug/kg	U	ND< 0.885	ug/kg	U	ND< 0.962	ug/kg	U	ND< 0.90	ug/kg	U	ND< 0.957	ug/kg	U	ND< 0.915	ug/kg	U					
E1633	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	757124-72-4	NE	NE		ND< 0.987	ug/kg	U	ND< 0.853	ug/kg	U	ND< 0.90	ug/kg	U	ND< 0.864	ug/kg	U	ND< 0.939	ug/kg	U	ND< 0.879	ug/kg	U	ND< 0.935	ug/kg	U	ND< 0.894	ug/kg	U					
E1633	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	27619-97-2	NE	NE		ND< 1.0	ug/kg	U	ND< 0.864	ug/kg	U	ND< 0.912	ug/kg	U	ND< 0.875	ug/kg	U	ND< 0.952	ug/kg	U	ND< 0.891	ug/kg	U	ND< 0.947	ug/kg	U	ND< 0.906	ug/kg	U					

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



PVE Engineering
48 Springside Avenue
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BORING NUMBER SB-15

PAGE 1 OF 1

CLIENT	Mountco Construction & Development	PROJECT NAME	Phase II ESA
PROJECT NUMBER	20240218	PROJECT LOCATION	41 North 2nd Street, Hudson, NY
DATE STARTED	7/26/21	COMPLETED	7/26/24
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	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0					
				Topsoil (dark brown/black silt, some fine, medium sand; little gravel).	
				0.5	
				(ML) Brown/light brown silt, some clay.	
1					
2					
		ML			PID = 0.2
3	GB 2-4'				
4				4.0	PID = 0

Bottom of borehole at 4.0 feet.



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BORING NUMBER SB-16

PAGE 1 OF 1

CLIENT	Mountco Construction & Development	PROJECT NAME	Phase II ESA
PROJECT NUMBER	20240218	PROJECT LOCATION	41 North 2nd Street, Hudson, NY
DATE STARTED	7/26/21	COMPLETED	7/26/24
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	---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0					
				Topsoil (dark brown/black silt, some fine, medium sand; little gravel).	
				0.5	
				(ML) Brown/light brown silt, some clay.	PID = 0
1	GB 0-2'				
2					PID = 0
		ML			
3					
4				4.0	PID = 0

Bottom of borehole at 4.0 feet.



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

BORING NUMBER SB-17

PAGE 1 OF 1

CLIENT	Mountco Construction & Development	PROJECT NAME	Phase II ESA
PROJECT NUMBER	20240218	PROJECT LOCATION	41 North 2nd Street, Hudson, NY
DATE STARTED	7/26/21	COMPLETED	7/26/24
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 4.1' on first attempt.		
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 8/13/24 17:06 - Z:\20240218 - 41 NORTH 2ND STREET, HUDSON, 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.	
2.5	GB 2-4'			(Fill) Brown fine, medium sand, some silt; some gravel to brown silt, and clay; some fine, medium and coarse sand; some gravel; comingled with coal and brick fragments throughout; concrete fragments observed at 4' bgs.	PID = 0
4.2				(ML) Brown silt, some clay.	PID = 0
5.0					
7.5					
8.0					PID = 0

Bottom of borehole at 8.0 feet.



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

BORING NUMBER SB-18

PAGE 1 OF 1

CLIENT	Mountco Construction & Development	PROJECT NAME	Phase II ESA
PROJECT NUMBER	20240218	PROJECT LOCATION	41 North 2nd Street, Hudson, NY
DATE STARTED	7/26/21	COMPLETED	7/26/24
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 - 8/13/24 17:06 - Z:\20240218 - 41 NORTH 2ND STREET, HUDSON, 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					
0.2				Topsoil (brown silt, some fine and medium sand).	
				(Fill) Brown silt, some clay; comingled with some brick fragments to brown/dark brown silt, some clay; some gravel; comingled with brick and coal fragments, some ash.	
2.5					PID = 0.1
	GB 2-4'				
4.0				(ML) Brown silt, some clay; some gravel.	PID = 0
5.0					
		ML			PID = 0
7.5					
8.0					

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-19

PAGE 1 OF 1

CLIENT Moutco Construction & Development

PROJECT NAME Phase II ESA

PROJECT NUMBER 20240218

PROJECT LOCATION 41 North 2nd Street, Hudson, NY

DATE STARTED 7/26/21

COMPLETED 7/26/24

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	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0				
0.3			Topsoil (brown silt, some clay; little gravel).	
			(Fill) Brown/light gray silt, some clay; some gravel; comingled with coal and brick fragments observed at 4' bgs.	
2.5				
4.0			(Fill) Dark brown/gray silt, some clay; comingled with coal and brick fragments.	PID = 0.1
4.8			(Fill) Light brown silt, some clay; comingled with brick and coal fragments and ash; moist.	
5.0				
7.5				PID = 0
7.9			(Fill) Gray silt, some clay; comingled with ash; moist to wet.	
10.0	GB 8-11'			PID = 0
11.0			(Fill) Brown fine sand, some silt, comingled with brick and coal fragments.	
12.5				
14.0			(Fill) Glass and coal fragments.	
15.0				
15.5			(Fill) Light gray clay, some silt; comingled with some glass, brick and coal fragments; moist to wet.	PID = 0
16.0				

Bottom of borehole at 16.0 feet.



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

BORING NUMBER SB-20

PAGE 1 OF 1

CLIENT	Mountco Construction & Development	PROJECT NAME	Phase II ESA
PROJECT NUMBER	20240218	PROJECT LOCATION	41 North 2nd Street, Hudson, NY
DATE STARTED	7/26/21	COMPLETED	7/26/24
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 - 8/13/24 17:06 - Z:\20240218 - 41 NORTH 2ND STREET, HUDSON, NY\PHASE II ESA\SB LOGS\SOIL BORING LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0				
0.3			Topsoil (dark brown silt, some fine sand).	
2.5			(Fill) Brown fine sand, some silt; some gravel to light gray to brown silt, some clay; comingled with some brick and coal fragments.	
4.5			(Fill) Brick/brick fragments.	
7.0			(Fill) Black/dark gray silt, some clay; comingled with some coal fragments.	PID = 0
7.5	GB 7-8'		(Fill) Brown fine sand, some gravel and brick fragments (6-inch recovery).	
10.0				
12.0				

Bottom of borehole at 12.0 feet.



PAGE 1 OF 1

PROJECT NAME Phase II ESA

PROJECT LOCATION 41 North 2nd Street, Hudson, NY

COMPLETED 7/26/24

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 ---

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 8/13/24 17:06 - Z:\20240218 - 41 NORTH 2ND STREET, HUDSON, NY\PHASE II ESA\B LOGS\SOIL BORING LOGS.GPJ

Bottom of borehole at 12.0 feet.



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BORING NUMBER SB-22

PAGE 1 OF 1

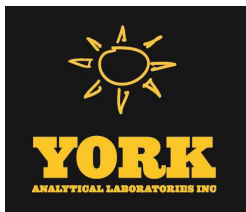
CLIENT	Mountco Construction & Development	PROJECT NAME	Phase II ESA
PROJECT NUMBER	20240218	PROJECT LOCATION	41 North 2nd Street, Hudson, NY
DATE STARTED	7/26/21	COMPLETED	7/26/24
DRILLING CONTRACTOR	PVE Engineering	GROUND ELEVATION	
DRILLING METHOD	Direct Push via GeoProbe 54DT	HOLE SIZE	2.5 inches
LOGGED BY	Anthony Spadavecchia	CHECKED BY	SMA
NOTES			
GROUND WATER LEVELS:			
AT TIME OF DRILLING		---	
AT END OF DRILLING		---	
AFTER DRILLING		---	

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0					
0.1				Light brown/yellowish-orange silt, little fine, medium sand. (ML) Light brown/yellowish-orange silt, some clay, little fine sand.	
2.5		ML			
5.0	GB 5-6'			(ML) Light gray silt, some clay to light brown/yellowish-orange silt, some clay; visual and olfactory evidence of petroleum contamination; moist.	PID = 32.7
7.5		ML			PID = 0.5
10.0					PID = 0
12.0					

Bottom of borehole at 12.0 feet.



ANALYTICAL REPORTS



Technical Report

prepared for:

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

Report Date: 08/02/2024
Client Project ID: 20240218
York Project (SDG) No.: 24G1823

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: 08/02/2024
Client Project ID: 20240218
York Project (SDG) No.: 24G1823

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 July 29, 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>
24G1823-01	SB-15 2-4 20240726	Soil	07/26/2024	07/29/2024
24G1823-02	SB-16 0-2 20240726	Soil	07/26/2024	07/29/2024
24G1823-03	SB-17 2-4 20240726	Soil	07/26/2024	07/29/2024
24G1823-04	SB-18 2-4 20240726	Soil	07/26/2024	07/29/2024
24G1823-05	SB-19 8-11 20240726	Soil	07/26/2024	07/29/2024
24G1823-06	SB-20 7-8 20240726	Soil	07/26/2024	07/29/2024
24G1823-07	SB-21 3.5-5 20240726	Soil	07/26/2024	07/29/2024
24G1823-08	SB-22 5-6 20240726	Soil	07/26/2024	07/29/2024

General Notes for York Project (SDG) No.: 24G1823

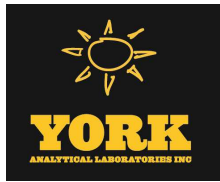
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
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: 08/02/2024





Sample Information

Client Sample ID: SB-15 2-4 20240726			York Sample ID: 24G1823-01		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24G1823	20240218	Soil	July 26, 2024 9:10 am	07/29/2024	

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	0.059	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 11:54	SS
208-96-8	Acenaphthylene	ND		mg/kg dry	0.059	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 11:54	SS
120-12-7	Anthracene	ND		mg/kg dry	0.059	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 11:54	SS
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.059	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 11:54	SS
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.059	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 11:54	SS
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.059	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 11:54	SS
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.059	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 11:54	SS
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.059	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 11:54	SS
218-01-9	Chrysene	ND		mg/kg dry	0.059	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 11:54	SS
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.059	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 11:54	SS
206-44-0	Fluoranthene	ND		mg/kg dry	0.059	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 11:54	SS
86-73-7	Fluorene	ND		mg/kg dry	0.059	0.12	2	EPA 8270E Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	07/29/2024 13:56	07/30/2024 11:54	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.059	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 11:54	SS
91-20-3	Naphthalene	ND		mg/kg dry	0.059	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 11:54	SS
85-01-8	Phenanthrene	ND		mg/kg dry	0.059	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 11:54	SS
129-00-0	Pyrene	ND		mg/kg dry	0.059	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 11:54	SS
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	75.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	80.6 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	96.8 %	24-116								

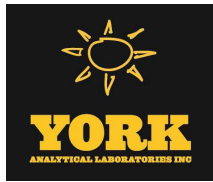
Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	ND		mg/kg dry	13.4	1	EPA 8015D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	07/29/2024 14:00	07/30/2024 17:29	GXB



Sample Information

Client Sample ID: SB-15 2-4 20240726

York Sample ID: 24G1823-01

York Project (SDG) No.

24G1823

Client Project ID

20240218

Matrix

Soil

Collection Date/Time

July 26, 2024 9:10 am

Date Received

07/29/2024

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result	Acceptance Range							
638-68-6	Surrogate: Triacontane	94.2 %	30-150							

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	8.12		mg/kg dry	1.76	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:22	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-39-3	Barium	123		mg/kg dry	2.94	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:22	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-43-9	Cadmium	ND		mg/kg dry	0.353	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:22	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-47-3	Chromium	20.5		mg/kg dry	0.589	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:22	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-92-1	Lead	14.4		mg/kg dry	0.589	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:22	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7782-49-2	Selenium	ND		mg/kg dry	2.94	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:22	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-22-4	Silver	ND		mg/kg dry	0.593	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:22	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	0.0424	1	EPA 7473	08/01/2024 08:51	08/02/2024 15:36	DRS
							Certifications:	CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04		

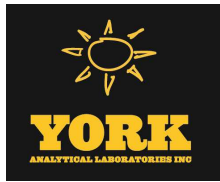
Total Solids

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	70.8		%	0.100	1	SM 2540G	07/30/2024 07:00	07/30/2024 10:28	HLV
							Certifications:	CTDOH-PH-0723		



Sample Information

Client Sample ID: SB-16 0-2 20240726			York Sample ID: 24G1823-02		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24G1823	20240218	Soil	July 26, 2024 9:30 am	07/29/2024	

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	0.054	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 12:25	SS
208-96-8	Acenaphthylene	ND		mg/kg dry	0.054	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 12:25	SS
120-12-7	Anthracene	ND		mg/kg dry	0.054	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 12:25	SS
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.054	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 12:25	SS
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.054	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 12:25	SS
205-99-2	Benzo(b)fluoranthene	0.059	J	mg/kg dry	0.054	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 12:25	SS
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.054	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 12:25	SS
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.054	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 12:25	SS
218-01-9	Chrysene	ND		mg/kg dry	0.054	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 12:25	SS
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.054	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 12:25	SS
206-44-0	Fluoranthene	0.062	J	mg/kg dry	0.054	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 12:25	SS
86-73-7	Fluorene	ND		mg/kg dry	0.054	0.11	2	EPA 8270E Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	07/29/2024 13:56	07/30/2024 12:25	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.054	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 12:25	SS
91-20-3	Naphthalene	ND		mg/kg dry	0.054	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 12:25	SS
85-01-8	Phenanthrene	ND		mg/kg dry	0.054	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 12:25	SS
129-00-0	Pyrene	ND		mg/kg dry	0.054	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 12:25	SS
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	64.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	72.8 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	81.7 %	24-116								

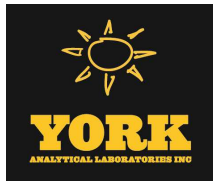
Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Total Petroleum Hydrocarbons-DRO		15.2		mg/kg dry	12.6	1	EPA 8015D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	07/29/2024 14:00	07/30/2024 17:52	GXB



Sample Information

Client Sample ID: SB-16 0-2 20240726

York Sample ID: 24G1823-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1823

20240218

Soil

July 26, 2024 9:30 am

07/29/2024

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result	Acceptance Range							
638-68-6	Surrogate: Triacontane	89.1 %	30-150							

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	7.32		mg/kg dry	1.62	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:23	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-39-3	Barium	96.9		mg/kg dry	2.69	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:23	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-43-9	Cadmium	ND		mg/kg dry	0.324	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:23	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-47-3	Chromium	18.5		mg/kg dry	0.540	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:23	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-92-1	Lead	14.8		mg/kg dry	0.540	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:23	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7782-49-2	Selenium	ND		mg/kg dry	2.70	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:23	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-22-4	Silver	ND		mg/kg dry	0.544	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:23	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	0.218		mg/kg dry	0.0389	1	EPA 7473	08/01/2024 08:51	08/02/2024 15:36	DRS
							Certifications:	CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04		

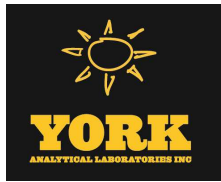
Total Solids

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	77.2		%	0.100	1	SM 2540G	07/30/2024 07:00	07/30/2024 10:28	HLV
							Certifications:	CTDOH-PH-0723		



Sample Information

Client Sample ID: SB-17 2-4 20240726			York Sample ID: 24G1823-03		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24G1823	20240218	Soil	July 26, 2024 10:30 am	07/29/2024	

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	0.049	0.098	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 12:55	SS
208-96-8	Acenaphthylene	0.066	J	mg/kg dry	0.049	0.098	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 12:55	SS
120-12-7	Anthracene	0.11		mg/kg dry	0.049	0.098	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 12:55	SS
56-55-3	Benzo(a)anthracene	0.41		mg/kg dry	0.049	0.098	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 12:55	SS
50-32-8	Benzo(a)pyrene	0.45		mg/kg dry	0.049	0.098	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 12:55	SS
205-99-2	Benzo(b)fluoranthene	0.58		mg/kg dry	0.049	0.098	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 12:55	SS
191-24-2	Benzo(g,h,i)perylene	0.45		mg/kg dry	0.049	0.098	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 12:55	SS
207-08-9	Benzo(k)fluoranthene	0.22		mg/kg dry	0.049	0.098	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 12:55	SS
218-01-9	Chrysene	0.39		mg/kg dry	0.049	0.098	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 12:55	SS
53-70-3	Dibenzo(a,h)anthracene	0.091	J	mg/kg dry	0.049	0.098	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 12:55	SS
206-44-0	Fluoranthene	0.84		mg/kg dry	0.049	0.098	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 12:55	SS
86-73-7	Fluorene	ND		mg/kg dry	0.049	0.098	2	EPA 8270E Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	07/29/2024 13:56	07/30/2024 12:55	SS
193-39-5	Indeno(1,2,3-cd)pyrene	0.47		mg/kg dry	0.049	0.098	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 12:55	SS
91-20-3	Naphthalene	ND		mg/kg dry	0.049	0.098	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 12:55	SS
85-01-8	Phenanthrene	0.43		mg/kg dry	0.049	0.098	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 12:55	SS
129-00-0	Pyrene	0.81		mg/kg dry	0.049	0.098	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 12:55	SS
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	66.3 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	74.6 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	77.2 %	24-116								

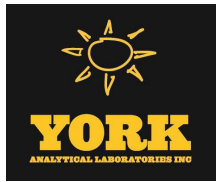
Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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

Client Sample ID: SB-17 2-4 20240726			York Sample ID: 24G1823-03		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24G1823	20240218	Soil	July 26, 2024 10:30 am	07/29/2024	

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	19.2		mg/kg dry	10.9	1	EPA 8015D	07/29/2024 14:00	07/30/2024 15:31	GXB
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
	Surrogate Recoveries	Result		Acceptance Range						
638-68-6	Surrogate: Triacontane	93.0 %		30-150						

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	10.0		mg/kg dry	1.47	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:24	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-39-3	Barium	299		mg/kg dry	2.44	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:24	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-43-9	Cadmium	0.479		mg/kg dry	0.293	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:24	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-47-3	Chromium	29.2		mg/kg dry	0.489	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:24	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-92-1	Lead	332		mg/kg dry	0.489	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:24	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7782-49-2	Selenium	ND		mg/kg dry	2.44	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:24	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-22-4	Silver	ND		mg/kg dry	0.493	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:24	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	1.16		mg/kg dry	0.0352	1	EPA 7473	08/01/2024 08:51	08/02/2024 15:36	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	85.2		%	0.100	1	SM 2540G	07/30/2024 07:00	07/30/2024 10:28	HLV
							Certifications:	CTDOH-PH-0723		



York Sample ID: **24G1823-04**

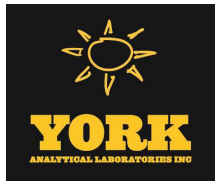
Date Received
07/29/2024

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.096		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 13:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
208-96-8	Acenaphthylene	0.36		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 13:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
120-12-7	Anthracene	0.50		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 13:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
56-55-3	Benzo(a)anthracene	1.9		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 13:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
50-32-8	Benzo(a)pyrene	2.1		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 13:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
205-99-2	Benzo(b)fluoranthene	2.6		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 13:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
191-24-2	Benzo(g,h,i)perylene	1.5		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 13:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
207-08-9	Benzo(k)fluoranthene	0.88		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 13:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
218-01-9	Chrysene	2.1		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 13:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
53-70-3	Dibenzo(a,h)anthracene	0.33		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 13:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
206-44-0	Fluoranthene	5.0		mg/kg dry	0.24	0.48	10	EPA 8270E	07/29/2024 13:56	07/31/2024 16:15	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
86-73-7	Fluorene	0.13		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 13:25	SS
								Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
193-39-5	Indeno(1,2,3-cd)pyrene	1.6		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 13:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
91-20-3	Naphthalene	0.056	J	mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 13:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
85-01-8	Phenanthrene	2.2		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 13:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
129-00-0	Pyrene	5.2		mg/kg dry	0.24	0.48	10	EPA 8270E	07/29/2024 13:56	07/31/2024 16:15	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sample Notes:

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-18 2-4 20240726			York Sample ID: 24G1823-04		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24G1823	20240218	Soil	July 26, 2024 11:10 am	07/29/2024	

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	122		mg/kg dry	11.3	1	EPA 8015D	07/29/2024 14:00	07/30/2024 15:54	GXB
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
	Surrogate Recoveries	Result		Acceptance Range						
638-68-6	Surrogate: Triacontane	117 %		30-150						

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	9.43		mg/kg dry	1.45	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:26	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-39-3	Barium	189		mg/kg dry	2.41	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:26	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-43-9	Cadmium	0.493		mg/kg dry	0.290	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:26	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-47-3	Chromium	19.2		mg/kg dry	0.484	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:26	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-92-1	Lead	331		mg/kg dry	0.484	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:26	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7782-49-2	Selenium	ND		mg/kg dry	2.42	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:26	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-22-4	Silver	ND		mg/kg dry	0.487	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:26	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	0.380		mg/kg dry	0.0348	1	EPA 7473	08/01/2024 08:51	08/02/2024 15:36	DRS
							Certifications:	CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04		

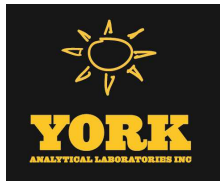
Total Solids

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	86.2		%	0.100	1	SM 2540G	07/30/2024 07:00	07/30/2024 10:28	HLV
							Certifications:	CTDOH-PH-0723		



Sample Information

Client Sample ID: SB-19 8-11 20240726			York Sample ID: 24G1823-05		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24G1823	20240218	Soil	July 26, 2024 11:40 am	07/29/2024	

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 13:55	SS
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	07/29/2024 13:56	07/30/2024 13:55	SS
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	07/29/2024 13:56	07/30/2024 13:55	SS
56-55-3	Benzo(a)anthracene	0.15		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 13:55	SS
50-32-8	Benzo(a)pyrene	0.19		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 13:55	SS
205-99-2	Benzo(b)fluoranthene	0.27		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 13:55	SS
191-24-2	Benzo(g,h,i)perylene	0.16		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 13:55	SS
207-08-9	Benzo(k)fluoranthene	0.10	J	mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 13:55	SS
218-01-9	Chrysene	0.19		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 13:55	SS
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	07/29/2024 13:56	07/30/2024 13:55	SS
206-44-0	Fluoranthene	0.34		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 13:55	SS
86-73-7	Fluorene	ND		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	07/29/2024 13:56	07/30/2024 13:55	SS
193-39-5	Indeno(1,2,3-cd)pyrene	0.19		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 13:55	SS
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	07/29/2024 13:56	07/30/2024 13:55	SS
85-01-8	Phenanthrene	0.066	J	mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 13:55	SS
129-00-0	Pyrene	0.28		mg/kg dry	0.053	0.11	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 13:55	SS
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	73.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	77.3 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	89.9 %	24-116								

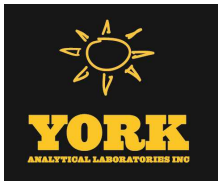
Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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

Client Sample ID: SB-19 8-11 20240726			York Sample ID: 24G1823-05		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24G1823	20240218	Soil	July 26, 2024 11:40 am	07/29/2024	

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	ND		mg/kg dry	12.4	1	EPA 8015D	07/29/2024 14:00	07/30/2024 16:16	GXB
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
	Surrogate Recoveries	Result		Acceptance Range						
638-68-6	Surrogate: Triacontane	94.5 %		30-150						

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	3.30		mg/kg dry	1.61	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:27	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-39-3	Barium	73.9		mg/kg dry	2.68	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:27	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-43-9	Cadmium	ND		mg/kg dry	0.322	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:27	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-47-3	Chromium	8.92		mg/kg dry	0.537	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:27	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-92-1	Lead	77.2		mg/kg dry	0.537	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:27	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7782-49-2	Selenium	ND		mg/kg dry	2.68	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:27	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-22-4	Silver	ND		mg/kg dry	0.541	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:27	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	0.364		mg/kg dry	0.0387	1	EPA 7473	08/01/2024 08:51	08/02/2024 15:36	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	77.6		%	0.100	1	SM 2540G	07/30/2024 07:00	07/30/2024 10:28	HLV
							Certifications:	CTDOH-PH-0723		



York Sample ID: **24G1823-06**

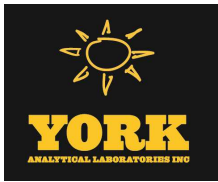
Date Received
07/29/2024

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.17		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 14:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
208-96-8	Acenaphthylene	0.53		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 14:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
120-12-7	Anthracene	0.76		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 14:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
56-55-3	Benzo(a)anthracene	2.8		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 14:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
50-32-8	Benzo(a)pyrene	2.8		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 14:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
205-99-2	Benzo(b)fluoranthene	2.3		mg/kg dry	0.24	0.48	10	EPA 8270E	07/29/2024 13:56	07/31/2024 16:45	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
191-24-2	Benzo(g,h,i)perylene	2.2		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 14:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
207-08-9	Benzo(k)fluoranthene	1.4		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 14:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
218-01-9	Chrysene	2.9		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 14:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
53-70-3	Dibenzo(a,h)anthracene	0.54		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 14:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
206-44-0	Fluoranthene	5.7		mg/kg dry	0.24	0.48	10	EPA 8270E	07/29/2024 13:56	07/31/2024 16:45	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
86-73-7	Fluorene	0.23		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 14:25	SS
								Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
193-39-5	Indeno(1,2,3-cd)pyrene	2.5		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 14:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
91-20-3	Naphthalene	0.16		mg/kg dry	0.048	0.096	2	EPA 8270E	07/29/2024 13:56	07/30/2024 14:25	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
85-01-8	Phenanthrene	3.3		mg/kg dry	0.24	0.48	10	EPA 8270E	07/29/2024 13:56	07/31/2024 16:45	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
129-00-0	Pyrene	5.7		mg/kg dry	0.24	0.48	10	EPA 8270E	07/29/2024 13:56	07/31/2024 16:45	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
	Surrogate Recoveries	Result		Acceptance Range							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	68.6 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	74.6 %		21-113							
1718-51-0	Surrogate: SURR: Terphenyl-d14	83.4 %		24-116							

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		■		132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com		(203) 325-1371				FAX (203) 357-0166		ClientServices@		



Sample Information

Client Sample ID: SB-20 7-8 20240726			York Sample ID: 24G1823-06		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24G1823	20240218	Soil	July 26, 2024 12:45 pm	07/29/2024	

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	133		mg/kg dry	11.5	1	EPA 8015D	07/29/2024 14:00	07/30/2024 16:18	GXB
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
	Surrogate Recoveries	Result		Acceptance Range						
638-68-6	Surrogate: Triacontane	92.3 %		30-150						

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	14.5		mg/kg dry	1.46	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:28	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-39-3	Barium	240		mg/kg dry	2.43	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:28	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-43-9	Cadmium	1.26		mg/kg dry	0.292	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:28	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-47-3	Chromium	24.0		mg/kg dry	0.487	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:28	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-92-1	Lead	951		mg/kg dry	0.487	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:28	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7782-49-2	Selenium	ND		mg/kg dry	2.44	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:28	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-22-4	Silver	ND		mg/kg dry	0.491	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:28	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	1.21		mg/kg dry	0.0351	1	EPA 7473	08/01/2024 08:51	08/02/2024 15:36	DRS
							Certifications:	CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04		

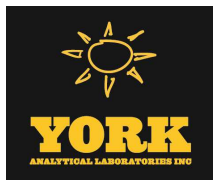
Total Solids

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	85.5		%	0.100	1	SM 2540G	07/30/2024 07:00	07/30/2024 10:28	HLV
							Certifications:	CTDOH-PH-0723		



Sample Information

Client Sample ID: SB-21 3.5-5 20240726

York Sample ID: 24G1823-07

York Project (SDG) No.
24G1823

Client Project ID
20240218

Matrix
Soil

Collection Date/Time
July 26, 2024 1:30 pm

Date Received
07/29/2024

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	07/29/2024 13:56	07/30/2024 14:56	SS
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	07/29/2024 13:56	07/30/2024 14:56	SS
120-12-7	Anthracene	0.068	J	mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 14:56	SS
56-55-3	Benzo(a)anthracene	0.28		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 14:56	SS
50-32-8	Benzo(a)pyrene	0.24		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 14:56	SS
205-99-2	Benzo(b)fluoranthene	0.38		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 14:56	SS
191-24-2	Benzo(g,h,i)perylene	0.19		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 14:56	SS
207-08-9	Benzo(k)fluoranthene	0.13		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 14:56	SS
218-01-9	Chrysene	0.37		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 14:56	SS
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	07/29/2024 13:56	07/30/2024 14:56	SS
206-44-0	Fluoranthene	0.73		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 14:56	SS
86-73-7	Fluorene	ND		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	07/29/2024 13:56	07/30/2024 14:56	SS
193-39-5	Indeno(1,2,3-cd)pyrene	0.22		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 14:56	SS
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	07/29/2024 13:56	07/30/2024 14:56	SS
85-01-8	Phenanthrene	0.44		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 14:56	SS
129-00-0	Pyrene	0.70		mg/kg dry	0.060	0.12	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 14:56	SS
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	64.3 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	72.6 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	79.4 %	24-116								

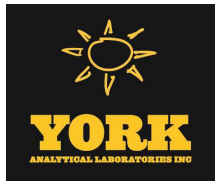
Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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

Client Sample ID: SB-21 3.5-5 20240726

York Sample ID: 24G1823-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1823

20240218

Soil

July 26, 2024 1:30 pm

07/29/2024

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	27.3		mg/kg dry	14.2	1	EPA 8015D	07/29/2024 14:00	07/30/2024 16:41	GXB
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
	Surrogate Recoveries	Result		Acceptance Range						
638-68-6	Surrogate: Triacontane	97.3 %		30-150						

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	9.27		mg/kg dry	1.81	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:32	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-39-3	Barium	307		mg/kg dry	3.01	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:32	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-43-9	Cadmium	0.519		mg/kg dry	0.362	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:32	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-47-3	Chromium	34.2		mg/kg dry	0.604	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:32	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-92-1	Lead	234		mg/kg dry	0.604	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:32	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7782-49-2	Selenium	ND		mg/kg dry	3.02	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:32	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-22-4	Silver	ND		mg/kg dry	0.608	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:32	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	0.463		mg/kg dry	0.0435	1	EPA 7473	07/30/2024 14:20	07/31/2024 10:38	AJL
							Certifications:	CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04		

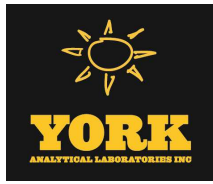
Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	69.0		%	0.100	1	SM 2540G	07/30/2024 07:00	07/30/2024 10:28	HLV
							Certifications:	CTDOH-PH-0723		



Sample Information

Client Sample ID: SB-22 5-6 20240726

York Sample ID: 24G1823-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1823

20240218

Soil

July 26, 2024 2:00 pm

07/29/2024

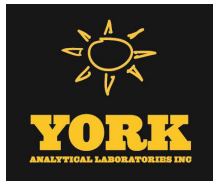
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	07/30/2024 20:00	07/31/2024 04:01	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	07/30/2024 20:00	07/31/2024 04:01	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	07/30/2024 20:00	07/31/2024 04:01	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	07/30/2024 20:00	07/31/2024 04:01	BMC
78-93-3	2-Butanone	0.0051	J	mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC



Sample Information

Client Sample ID: SB-22 5-6 20240726

York Sample ID: 24G1823-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1823

20240218

Soil

July 26, 2024 2:00 pm

07/29/2024

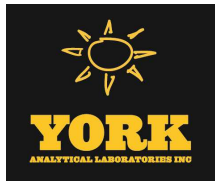
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.035		mg/kg dry	0.0055	0.011	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
107-02-8	Acrolein	ND	ICVE	mg/kg dry	0.0055	0.011	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	07/30/2024 20:00	07/31/2024 04:01	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	07/30/2024 20:00	07/31/2024 04:01	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	07/30/2024 20:00	07/31/2024 04:01	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	07/30/2024 20:00	07/31/2024 04:01	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	07/30/2024 20:00	07/31/2024 04:01	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	07/30/2024 20:00	07/31/2024 04:01	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC



Sample Information

Client Sample ID: SB-22 5-6 20240726

York Sample ID: 24G1823-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1823

20240218

Soil

July 26, 2024 2:00 pm

07/29/2024

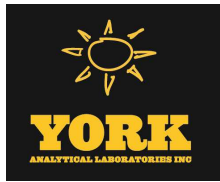
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	07/30/2024 20:00	07/31/2024 04:01	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	07/30/2024 20:00	07/31/2024 04:01	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0055	0.011	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
104-51-8	n-Butylbenzene	0.0055	J	mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
135-98-8	sec-Butylbenzene	0.0095		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	07/30/2024 20:00	07/31/2024 04:01	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NJDEP-CT005	07/30/2024 20:00	07/31/2024 04:01	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
75-69-4	Trichlorofluoromethane	ND	CAL-E	mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0083	0.017	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	07/30/2024 20:00	07/31/2024 04:01	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %	77-125								



Sample Information

Client Sample ID: SB-22 5-6 20240726			York Sample ID: 24G1823-08		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24G1823	20240218	Soil	July 26, 2024 2:00 pm	07/29/2024	

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: SURR: Toluene-d8	95.6 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.3 %			76-130						

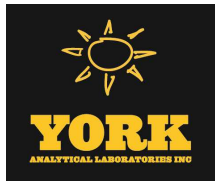
Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.052	0.10	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 15:26	SS
208-96-8	Acenaphthylene	ND		mg/kg dry	0.052	0.10	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 15:26	SS
120-12-7	Anthracene	ND		mg/kg dry	0.052	0.10	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 15:26	SS
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.052	0.10	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 15:26	SS
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.052	0.10	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 15:26	SS
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.052	0.10	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 15:26	SS
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.052	0.10	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 15:26	SS
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.052	0.10	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 15:26	SS
218-01-9	Chrysene	ND		mg/kg dry	0.052	0.10	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 15:26	SS
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.052	0.10	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 15:26	SS
206-44-0	Fluoranthene	ND		mg/kg dry	0.052	0.10	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 15:26	SS
86-73-7	Fluorene	0.31		mg/kg dry	0.052	0.10	2	EPA 8270E Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	07/29/2024 13:56	07/30/2024 15:26	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.052	0.10	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 15:26	SS
91-20-3	Naphthalene	ND		mg/kg dry	0.052	0.10	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 15:26	SS
85-01-8	Phenanthrene	ND		mg/kg dry	0.052	0.10	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	07/29/2024 13:56	07/30/2024 15:26	SS
129-00-0	Pyrene	0.082	J	mg/kg dry	0.052	0.10	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	07/29/2024 13:56	07/30/2024 15:26	SS
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	60.5 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.8 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	68.9 %	24-116								



Sample Information

Client Sample ID: SB-22 5-6 20240726

York Sample ID: 24G1823-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1823

20240218

Soil

July 26, 2024 2:00 pm

07/29/2024

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	731		mg/kg dry	12.1	1	EPA 8015D	07/29/2024 14:00	07/30/2024 16:40	GXB
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
	Surrogate Recoveries	Result		Acceptance Range						
638-68-6	Surrogate: Triacontane	110 %		30-150						

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	6.73		mg/kg dry	1.56	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:34	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-39-3	Barium	133		mg/kg dry	2.60	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:34	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-43-9	Cadmium	ND		mg/kg dry	0.313	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:34	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-47-3	Chromium	24.0		mg/kg dry	0.522	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:34	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-92-1	Lead	13.5		mg/kg dry	0.522	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:34	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7782-49-2	Selenium	ND		mg/kg dry	2.61	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:34	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-22-4	Silver	ND		mg/kg dry	0.526	1	EPA 6010D	07/31/2024 15:18	08/01/2024 16:34	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0499		mg/kg dry	0.0375	1	EPA 7473	07/30/2024 14:20	07/31/2024 10:38	AJL
							Certifications:	CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	79.9		%	0.100	1	SM 2540G	07/30/2024 07:00	07/30/2024 10:28	HLV
							Certifications:	CTDOH-PH-0723		



Analytical Batch Summary

Batch ID: BG41842

Preparation Method: EPA 3550C

Prepared By: JAA

YORK Sample ID	Client Sample ID	Preparation Date
24G1823-01	SB-15 2-4 20240726	07/29/24
24G1823-02	SB-16 0-2 20240726	07/29/24
24G1823-03	SB-17 2-4 20240726	07/29/24
24G1823-04	SB-18 2-4 20240726	07/29/24
24G1823-04RE1	SB-18 2-4 20240726	07/29/24
24G1823-05	SB-19 8-11 20240726	07/29/24
24G1823-06	SB-20 7-8 20240726	07/29/24
24G1823-06RE1	SB-20 7-8 20240726	07/29/24
24G1823-07	SB-21 3.5-5 20240726	07/29/24
24G1823-08	SB-22 5-6 20240726	07/29/24
BG41842-BLK1	Blank	07/29/24
BG41842-BS1	LCS	07/29/24
BG41842-MS1	Matrix Spike	07/29/24
BG41842-MSD1	Matrix Spike Dup	07/29/24

Batch ID: BG41844

Preparation Method: EPA 3550C

Prepared By: SAC

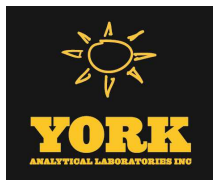
YORK Sample ID	Client Sample ID	Preparation Date
24G1823-01	SB-15 2-4 20240726	07/29/24
24G1823-02	SB-16 0-2 20240726	07/29/24
24G1823-03	SB-17 2-4 20240726	07/29/24
24G1823-04	SB-18 2-4 20240726	07/29/24
24G1823-05	SB-19 8-11 20240726	07/29/24
24G1823-06	SB-20 7-8 20240726	07/29/24
24G1823-07	SB-21 3.5-5 20240726	07/29/24
24G1823-08	SB-22 5-6 20240726	07/29/24
BG41844-BLK1	Blank	07/29/24
BG41844-BS1	LCS	07/29/24
BG41844-MS1	Matrix Spike	07/29/24
BG41844-MSD1	Matrix Spike Dup	07/29/24

Batch ID: BG41875

Preparation Method: % Solids Prep

Prepared By: HLY

YORK Sample ID	Client Sample ID	Preparation Date
24G1823-01	SB-15 2-4 20240726	07/30/24
24G1823-02	SB-16 0-2 20240726	07/30/24
24G1823-03	SB-17 2-4 20240726	07/30/24
24G1823-04	SB-18 2-4 20240726	07/30/24
24G1823-05	SB-19 8-11 20240726	07/30/24
24G1823-06	SB-20 7-8 20240726	07/30/24
24G1823-07	SB-21 3.5-5 20240726	07/30/24
24G1823-08	SB-22 5-6 20240726	07/30/24



Batch ID: BG41918

Preparation Method: EPA 7473 soil

Prepared By: DRS

YORK Sample ID	Client Sample ID	Preparation Date
24G1823-07	SB-21 3.5-5 20240726	07/30/24
24G1823-08	SB-22 5-6 20240726	07/30/24
BG41918-BLK1	Blank	07/30/24
BG41918-SRM1	Reference	07/30/24

Batch ID: BG41996

Preparation Method: EPA 5035A

Prepared By: AC

YORK Sample ID	Client Sample ID	Preparation Date
24G1823-08	SB-22 5-6 20240726	07/30/24
BG41996-BLK1	Blank	07/30/24
BG41996-BS1	LCS	07/30/24
BG41996-BSD1	LCS Dup	07/30/24

Batch ID: BG42017

Preparation Method: EPA 3050B

Prepared By: JEF

YORK Sample ID	Client Sample ID	Preparation Date
24G1823-01	SB-15 2-4 20240726	07/31/24
24G1823-02	SB-16 0-2 20240726	07/31/24
24G1823-03	SB-17 2-4 20240726	07/31/24
24G1823-04	SB-18 2-4 20240726	07/31/24
24G1823-05	SB-19 8-11 20240726	07/31/24
24G1823-06	SB-20 7-8 20240726	07/31/24
24G1823-07	SB-21 3.5-5 20240726	07/31/24
24G1823-08	SB-22 5-6 20240726	07/31/24
BG42017-BLK1	Blank	07/31/24
BG42017-SRM1	Reference	07/31/24

Batch ID: BH40032

Preparation Method: EPA 7473 soil

Prepared By: AJL

YORK Sample ID	Client Sample ID	Preparation Date
24G1823-01	SB-15 2-4 20240726	08/01/24
24G1823-02	SB-16 0-2 20240726	08/01/24
24G1823-03	SB-17 2-4 20240726	08/01/24
24G1823-04	SB-18 2-4 20240726	08/01/24
24G1823-05	SB-19 8-11 20240726	08/01/24
24G1823-06	SB-20 7-8 20240726	08/01/24
BH40032-BLK1	Blank	08/01/24
BH40032-SRM1	Reference	08/01/24



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

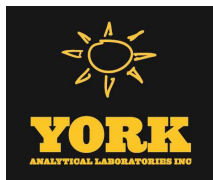
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG41996 - EPA 5035A

Blank (BG41996-BLK1)

Prepared & Analyzed: 07/30/2024

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG41996 - EPA 5035A

Blank (BG41996-BLK1)

Prepared & Analyzed: 07/30/2024

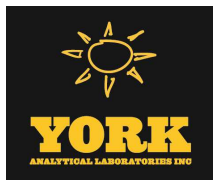
Methylene chloride	ND	0.010	mg/kg wet
n-Butylbenzene	ND	0.0050	"
n-Propylbenzene	ND	0.0050	"
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Butyl alcohol (TBA)	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Tetrachloroethylene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

Surrogate: SURR: 1,2-Dichloroethane-d4	50.9	ug/L	50.0	102	77-125
Surrogate: SURR: Toluene-d8	48.2	"	50.0	96.3	85-120
Surrogate: SURR: p-Bromofluorobenzene	51.3	"	50.0	103	76-130

LCS (BG41996-BS1)

Prepared & Analyzed: 07/30/2024

1,1,1,2-Tetrachloroethane	52	ug/L	50.0	103	75-129
1,1,1-Trichloroethane	56	"	50.0	112	71-137
1,1,2,2-Tetrachloroethane	54	"	50.0	108	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	63	"	50.0	126	58-146
1,1,2-Trichloroethane	51	"	50.0	103	83-123
1,1-Dichloroethane	60	"	50.0	119	75-130
1,1-Dichloroethylene	65	"	50.0	131	64-137
1,2,3-Trichlorobenzene	55	"	50.0	109	81-140
1,2,3-Trichloropropane	52	"	50.0	103	81-126
1,2,4-Trichlorobenzene	55	"	50.0	110	80-141
1,2,4-Trimethylbenzene	55	"	50.0	110	84-125
1,2-Dibromo-3-chloropropane	55	"	50.0	110	74-142
1,2-Dibromoethane	51	"	50.0	103	86-123
1,2-Dichlorobenzene	51	"	50.0	102	85-122
1,2-Dichloroethane	56	"	50.0	113	71-133
1,2-Dichloropropane	55	"	50.0	111	81-122
1,3,5-Trimethylbenzene	55	"	50.0	110	82-126
1,3-Dichlorobenzene	51	"	50.0	102	84-124
1,4-Dichlorobenzene	51	"	50.0	102	84-124
1,4-Dioxane	1000	"	1050	97.3	10-228
2-Butanone	61	"	50.0	122	58-147
2-Hexanone	58	"	50.0	117	70-139
4-Methyl-2-pentanone	44	"	50.0	87.2	72-132
Acetone	47	"	50.0	94.5	36-155
Acrolein	21	"	50.0	41.8	10-238
Acrylonitrile	64	"	50.0	127	66-141



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

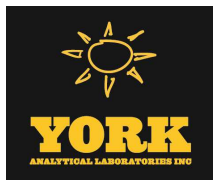
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG41996 - EPA 5035A

LCS (BG41996-BS1)

Prepared & Analyzed: 07/30/2024

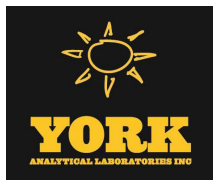
Benzene	57		ug/L	50.0		114	77-127				
Bromochloromethane	62		"	50.0		123	74-129				
Bromodichloromethane	54		"	50.0		108	81-124				
Bromoform	52		"	50.0		105	80-136				
Bromomethane	65		"	50.0		130	32-177				
Carbon disulfide	65		"	50.0		131	10-136				
Carbon tetrachloride	55		"	50.0		111	66-143				
Chlorobenzene	52		"	50.0		104	86-120				
Chloroethane	69		"	50.0		139	51-142				
Chloroform	56		"	50.0		113	76-131				
Chloromethane	81		"	50.0		161	49-132	High Bias			
cis-1,2-Dichloroethylene	60		"	50.0		120	74-132				
cis-1,3-Dichloropropylene	54		"	50.0		108	81-129				
Cyclohexane	64		"	50.0		129	70-130				
Dibromochloromethane	52		"	50.0		104	10-200				
Dibromomethane	51		"	50.0		102	83-124				
Dichlorodifluoromethane	67		"	50.0		133	28-158				
Ethyl Benzene	55		"	50.0		109	84-125				
Hexachlorobutadiene	53		"	50.0		106	83-133				
Isopropylbenzene	54		"	50.0		108	81-127				
Methyl acetate	57		"	50.0		115	41-143				
Methyl tert-butyl ether (MTBE)	57		"	50.0		114	74-131				
Methylcyclohexane	55		"	50.0		109	70-130				
Methylene chloride	61		"	50.0		121	57-141				
n-Butylbenzene	55		"	50.0		110	80-130				
n-Propylbenzene	54		"	50.0		108	74-136				
o-Xylene	53		"	50.0		106	83-123				
p- & m- Xylenes	110		"	100		106	82-128				
p-Isopropyltoluene	55		"	50.0		110	85-125				
sec-Butylbenzene	54		"	50.0		108	83-125				
Styrene	55		"	50.0		110	86-126				
tert-Butyl alcohol (TBA)	280		"	250		114	70-130				
tert-Butylbenzene	47		"	50.0		94.4	80-127				
Tetrachloroethylene	43		"	50.0		85.1	80-129				
Toluene	53		"	50.0		106	85-121				
trans-1,2-Dichloroethylene	62		"	50.0		124	72-132				
trans-1,3-Dichloropropylene	56		"	50.0		111	78-132				
trans-1,4-dichloro-2-butene	56		"	50.0		112	75-135				
Trichloroethylene	54		"	50.0		108	84-123				
Trichlorofluoromethane	64		"	50.0		127	62-140				
Vinyl Chloride	74		"	50.0		149	52-130	High Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	49.5		"	50.0		98.9	77-125				
Surrogate: SURR: Toluene-d8	48.6		"	50.0		97.2	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.6		"	50.0		101	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG41996 - EPA 5035A											
LCS Dup (BG41996-BSD1)						Prepared & Analyzed: 07/30/2024					
1,1,1,2-Tetrachloroethane	53		ug/L	50.0		106	75-129		2.56	30	
1,1,1-Trichloroethane	57		"	50.0		115	71-137		1.87	30	
1,1,2,2-Tetrachloroethane	55		"	50.0		110	79-129		1.58	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	65		"	50.0		129	58-146		2.24	30	
1,1,2-Trichloroethane	53		"	50.0		105	83-123		2.44	30	
1,1-Dichloroethane	60		"	50.0		121	75-130		1.32	30	
1,1-Dichloroethylene	66		"	50.0		133	64-137		1.46	30	
1,2,3-Trichlorobenzene	54		"	50.0		108	81-140		1.20	30	
1,2,3-Trichloropropane	53		"	50.0		105	81-126		1.97	30	
1,2,4-Trichlorobenzene	54		"	50.0		107	80-141		2.30	30	
1,2,4-Trimethylbenzene	55		"	50.0		110	84-125		0.219	30	
1,2-Dibromo-3-chloropropane	55		"	50.0		110	74-142		0.528	30	
1,2-Dibromoethane	52		"	50.0		105	86-123		1.83	30	
1,2-Dichlorobenzene	51		"	50.0		102	85-122		0.432	30	
1,2-Dichloroethane	57		"	50.0		113	71-133		0.655	30	
1,2-Dichloropropane	56		"	50.0		113	81-122		1.57	30	
1,3,5-Trimethylbenzene	56		"	50.0		111	82-126		0.922	30	
1,3-Dichlorobenzene	51		"	50.0		102	84-124		0.332	30	
1,4-Dichlorobenzene	51		"	50.0		102	84-124		0.921	30	
1,4-Dioxane	990		"	1050		94.3	10-228		3.06	30	
2-Butanone	62		"	50.0		125	58-147		2.29	30	
2-Hexanone	60		"	50.0		119	70-139		2.13	30	
4-Methyl-2-pentanone	44		"	50.0		88.5	72-132		1.48	30	
Acetone	48		"	50.0		96.1	36-155		1.70	30	
Acrolein	19		"	50.0		38.7	10-238		7.60	30	
Acrylonitrile	64		"	50.0		128	66-141		0.721	30	
Benzene	58		"	50.0		115	77-127		1.01	30	
Bromochloromethane	62		"	50.0		125	74-129		1.36	30	
Bromodichloromethane	54		"	50.0		109	81-124		0.424	30	
Bromoform	53		"	50.0		106	80-136		1.61	30	
Bromomethane	67		"	50.0		134	32-177		3.10	30	
Carbon disulfide	66		"	50.0		133	10-136		1.50	30	
Carbon tetrachloride	56		"	50.0		112	66-143		1.10	30	
Chlorobenzene	52		"	50.0		105	86-120		0.498	30	
Chloroethane	71		"	50.0		143	51-142	High Bias	3.08	30	
Chloroform	57		"	50.0		113	76-131		0.513	30	
Chloromethane	81		"	50.0		163	49-132	High Bias	0.939	30	
cis-1,2-Dichloroethylene	61		"	50.0		122	74-132		1.37	30	
cis-1,3-Dichloropropylene	55		"	50.0		109	81-129		0.994	30	
Cyclohexane	69		"	50.0		137	70-130	High Bias	6.29	30	
Dibromochloromethane	53		"	50.0		106	10-200		1.53	30	
Dibromomethane	52		"	50.0		103	83-124		0.760	30	
Dichlorodifluoromethane	67		"	50.0		135	28-158		1.20	30	
Ethyl Benzene	55		"	50.0		110	84-125		0.365	30	
Hexachlorobutadiene	54		"	50.0		108	83-133		1.14	30	
Isopropylbenzene	54		"	50.0		109	81-127		0.628	30	
Methyl acetate	59		"	50.0		118	41-143		2.46	30	
Methyl tert-butyl ether (MTBE)	58		"	50.0		117	74-131		2.20	30	
Methylcyclohexane	55		"	50.0		111	70-130		1.34	30	
Methylene chloride	61		"	50.0		122	57-141		0.493	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

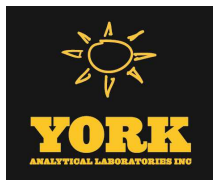
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG41996 - EPA 5035A

LCS Dup (BG41996-BSD1)

Prepared & Analyzed: 07/30/2024

n-Butylbenzene	55		ug/L	50.0		109	80-130		0.602	30	
n-Propylbenzene	54		"	50.0		109	74-136		0.424	30	
o-Xylene	54		"	50.0		107	83-123		0.788	30	
p- & m- Xylenes	110		"	100		106	82-128		0.236	30	
p-Isopropyltoluene	55		"	50.0		110	85-125		0.454	30	
sec-Butylbenzene	55		"	50.0		109	83-125		1.05	30	
Styrene	56		"	50.0		111	86-126		1.21	30	
tert-Butyl alcohol (TBA)	300		"	250		122	70-130		6.72	30	
tert-Butylbenzene	48		"	50.0		95.3	80-127		1.03	30	
Tetrachloroethylene	42		"	50.0		85.0	80-129		0.165	30	
Toluene	53		"	50.0		106	85-121		0.491	30	
trans-1,2-Dichloroethylene	63		"	50.0		125	72-132		0.897	30	
trans-1,3-Dichloropropylene	57		"	50.0		113	78-132		1.44	30	
trans-1,4-dichloro-2-butene	57		"	50.0		114	75-135		1.44	30	
Trichloroethylene	54		"	50.0		108	84-123		0.723	30	
Trichlorofluoromethane	64		"	50.0		128	62-140		0.627	30	
Vinyl Chloride	76		"	50.0		151	52-130	High Bias	1.57	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	49.0		"	50.0		98.1	77-125				
Surrogate: SURR: Toluene-d8	48.6		"	50.0		97.1	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.8		"	50.0		102	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG41842 - EPA 3550C

Blank (BG41842-BLK1)

Prepared: 07/29/2024 Analyzed: 07/30/2024

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	"

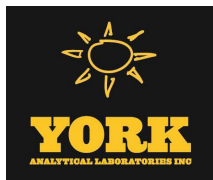
Surrogate: SURR: Nitrobenzene-d5	0.68	"	0.831	81.5	22-108
Surrogate: SURR: 2-Fluorobiphenyl	0.67	"	0.831	81.0	21-113
Surrogate: SURR: Terphenyl-d14	0.69	"	0.831	83.3	24-116

LCS (BG41842-BS1)

Prepared: 07/29/2024 Analyzed: 07/30/2024

Acenaphthene	0.65	0.042	mg/kg wet	0.831	78.8	17-124
Acenaphthylene	0.63	0.042	"	0.831	75.4	16-124
Anthracene	0.67	0.042	"	0.831	80.5	24-124
Benzo(a)anthracene	0.70	0.042	"	0.831	84.0	25-134
Benzo(a)pyrene	0.74	0.042	"	0.831	89.4	29-144
Benzo(b)fluoranthene	0.71	0.042	"	0.831	86.0	20-151
Benzo(g,h,i)perylene	0.71	0.042	"	0.831	85.2	10-153
Benzo(k)fluoranthene	0.74	0.042	"	0.831	89.3	10-148
Chrysene	0.67	0.042	"	0.831	81.2	24-116
Dibenzo(a,h)anthracene	0.74	0.042	"	0.831	89.4	17-147
Fluoranthene	0.69	0.042	"	0.831	83.4	36-125
Fluorene	0.66	0.042	"	0.831	79.1	16-130
Indeno(1,2,3-cd)pyrene	0.76	0.042	"	0.831	91.2	10-155
Naphthalene	0.67	0.042	"	0.831	80.5	20-121
Phenanthrene	0.68	0.042	"	0.831	82.1	24-123
Pyrene	0.67	0.042	"	0.831	80.6	24-132

Surrogate: SURR: Nitrobenzene-d5	0.64	"	0.831	77.0	22-108
Surrogate: SURR: 2-Fluorobiphenyl	0.67	"	0.831	80.8	21-113
Surrogate: SURR: Terphenyl-d14	0.69	"	0.831	82.8	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 BG41842 - EPA 3550C

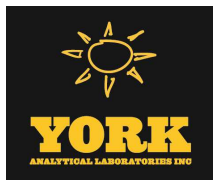
Matrix Spike (BG41842-MS1)		*Source sample: 24G1823-04 (SB-18 2-4 20240726)					Prepared: 07/29/2024 Analyzed: 07/30/2024				
Acenaphthene	0.83	0.096	mg/kg dry	0.963	0.096	76.7	13-133				
Acenaphthylene	1.0	0.096	"	0.963	0.36	71.4	25-125				
Anthracene	1.2	0.096	"	0.963	0.50	73.1	27-128				
Benzo(a)anthracene	2.8	0.096	"	0.963	1.9	87.1	20-147				
Benzo(a)pyrene	3.1	0.096	"	0.963	2.1	114	18-153				
Benzo(b)fluoranthene	2.7	0.096	"	0.963	2.6	14.7	10-163				
Benzo(g,h,i)perylene	2.3	0.096	"	0.963	1.5	85.0	10-157				
Benzo(k)fluoranthene	2.7	0.096	"	0.963	0.88	188	10-157	High Bias			
Chrysene	2.8	0.096	"	0.963	2.1	76.0	18-133				
Dibenzo(a,h)anthracene	1.4	0.096	"	0.963	0.33	108	10-146				
Fluoranthene	5.0	0.096	"	0.963	4.3	69.1	10-155				
Fluorene	0.89	0.096	"	0.963	0.13	78.4	12-150				
Indeno(1,2,3-cd)pyrene	2.7	0.096	"	0.963	1.6	106	10-155				
Naphthalene	0.80	0.096	"	0.963	0.056	77.2	15-132				
Phenanthrene	2.6	0.096	"	0.963	2.2	44.6	10-151				
Pyrene	4.5	0.096	"	0.963	4.4	10.6	13-148	Low Bias			
Surrogate: SURR: Nitrobenzene-d5	0.75		"	0.963		78.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.74		"	0.963		77.1	21-113				
Surrogate: SURR: Terphenyl-d14	0.74		"	0.963		77.0	24-116				

Matrix Spike Dup (BG41842-MSD1)		*Source sample: 24G1823-04 (SB-18 2-4 20240726)					Prepared: 07/29/2024 Analyzed: 07/30/2024				
Acenaphthene	0.83	0.096	mg/kg dry	0.963	0.096	75.8	13-133	1.11	30		
Acenaphthylene	1.2	0.096	"	0.963	0.36	86.6	25-125	13.1	30		
Anthracene	1.6	0.096	"	0.963	0.50	110	27-128	25.8	30		
Benzo(a)anthracene	3.7	0.096	"	0.963	1.9	189	20-147	High Bias	30.3	30	Non-dir.
Benzo(a)pyrene	4.3	0.096	"	0.963	2.1	229	18-153	High Bias	29.9	30	
Benzo(b)fluoranthene	3.6	0.096	"	0.963	2.6	105	10-163		27.5	30	
Benzo(g,h,i)perylene	2.9	0.096	"	0.963	1.5	152	10-157		24.9	30	
Benzo(k)fluoranthene	3.5	0.096	"	0.963	0.88	272	10-157	High Bias	26.1	30	
Chrysene	3.8	0.096	"	0.963	2.1	180	18-133	High Bias	30.0	30	
Dibenzo(a,h)anthracene	1.5	0.096	"	0.963	0.33	120	10-146		8.08	30	
Fluoranthene	7.2	0.096	"	0.963	4.3	304	10-155	High Bias	37.1	30	Non-dir.
Fluorene	0.91	0.096	"	0.963	0.13	80.6	12-150		2.32	30	
Indeno(1,2,3-cd)pyrene	3.4	0.096	"	0.963	1.6	183	10-155	High Bias	24.6	30	
Naphthalene	0.74	0.096	"	0.963	0.056	71.4	15-132		7.19	30	
Phenanthrene	3.9	0.096	"	0.963	2.2	173	10-151	High Bias	38.1	30	Non-dir.
Pyrene	6.6	0.096	"	0.963	4.4	230	13-148	High Bias	38.2	30	Non-dir.
Surrogate: SURR: Nitrobenzene-d5	0.66		"	0.963		68.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.66		"	0.963		68.6	21-113				
Surrogate: SURR: Terphenyl-d14	0.69		"	0.963		71.4	24-116				



Gas Chromatography/Flame Ionization Detector - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG41844 - EPA 3550C										
Blank (BG41844-BLK1)										
Prepared: 07/29/2024 Analyzed: 07/30/2024										
Total Petroleum Hydrocarbons-DRO	ND	9.90	mg/kg wet							
Surrogate: Triacontane	9.88		"	9.90		99.8	30-150			
LCS (BG41844-BS1)										
Prepared: 07/29/2024 Analyzed: 07/30/2024										
Total Petroleum Hydrocarbons-DRO	127	9.90	mg/kg wet	170		74.5	40-140			
Surrogate: Triacontane	11.3		"	9.90		114	30-150			
Matrix Spike (BG41844-MS1)										
*Source sample: 24G1823-04 (SB-18 2-4 20240726)										
Prepared: 07/29/2024 Analyzed: 07/30/2024										
Total Petroleum Hydrocarbons-DRO	257	11.4	mg/kg dry	196	122	68.8	30-150			
Surrogate: Triacontane	12.1		"	11.4		106	30-150			
Matrix Spike Dup (BG41844-MSD1)										
*Source sample: 24G1823-04 (SB-18 2-4 20240726)										
Prepared: 07/29/2024 Analyzed: 07/30/2024										
Total Petroleum Hydrocarbons-DRO	202	11.4	mg/kg dry	196	122	40.7	30-150	24.0	30	
Surrogate: Triacontane	10.7		"	11.4		94.4	30-150			



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 BG42017 - EPA 3050B

Blank (BG42017-BLK1)

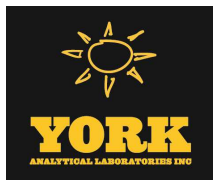
Prepared: 07/31/2024 Analyzed: 08/01/2024

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 (BG42017-SRM1)

Prepared: 07/31/2024 Analyzed: 08/01/2024

Arsenic	292	1.25	mg/kg wet	360	81.0	70.6-102.2
Barium	279	2.08	"	332	84.1	75-108.1
Cadmium	190	0.250	"	238	79.8	73.5-105
Chromium	172	0.417	"	199	86.3	73.4-107
Lead	86.7	0.417	"	100	86.7	75.9-110
Selenium	152	2.08	"	170	89.4	78.2-115.9
Silver	75.6	0.420	"	88.6	85.4	73.9-112



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG41918 - EPA 7473 soil

Blank (BG41918-BLK1)

Prepared: 07/30/2024 Analyzed: 07/31/2024

Mercury ND 0.0300 mg/kg wet

Reference (BG41918-SRM1)

Prepared: 07/30/2024 Analyzed: 07/31/2024

Mercury 17.701 mg/kg 18.2 97.3 59.9-140.1

Batch BH40032 - EPA 7473 soil

Blank (BH40032-BLK1)

Prepared & Analyzed: 08/01/2024

Mercury ND 0.0300 mg/kg wet

Reference (BH40032-SRM1)

Prepared & Analyzed: 08/01/2024

Mercury 19.090 mg/kg 18.2 105 59.9-140.1



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24G1823-08	SB-22 5-6 20240726	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

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.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)

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.

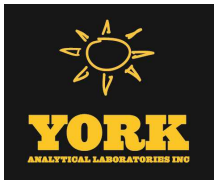
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For 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
2491823
11502491823

Page 1 of 1

Report To:	Company: PVE ENGINEERING	Invoice To:	YOUR Project Name / Number		Samples Collected From		Turn-Around Time
Address: 48 SPRINGSIDE AVE POUGHKEEPSIE, NY 12603	Address:		NY	CT	Other: (please specify)	RUSH - Next Day	
Phone: 845-454-2544	Phone:		NJ	PA		RUSH - Two Day	
Contact: A. SPADAVECCHIA	Contact: TARA ALVARADO		Analyses Requested			RUSH - Three Day	
E-mail: ASPADAVECCHIA@PVE-LLC.COM TALVARADO@PVE-LLC.COM	E-mail:					RUSH - Four Day	
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.			Preservative (please list number of containers)			RUSH - Five Day	
ANTHONY J. SPADAVECCHIA Anthony J. Spadavecchia			Matrix Codes			PFAS Standard 7-10 Day	
Samples Collected by: (print AND sign your name)			Time			Report Type (circle)	
Date			Matrix			Summary (Results Only)	
7-26-24 0910 S			S - soil/solid/sludge			NJ Reduced	
7-26-24 0930 S			GW - groundwater			NJ Full	
7-26-24 1030 S			DW - drinking water			EDD Type (circle)	
7-26-24 1110 S			SW - surface water			NYSDEC EQUIS	
7-26-24 1140 S			WW - wastewater			Standard Excel	
7-26-24 1245 S			O - Oil			Other:	
7-26-24 1330 S			Other			Compared to the following	
7-26-24 1400 S			Unpreserved			Field Filtered	

Comments:	Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N
	Custody Seals: Y / N Containers intact: Y / N COC Labels Agreed: 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	2. Samples Relinquished by / Company	Date/Time
Anthony J. Spadavecchia	7-26-24 11:20	Chie. e	7-29-24 11:20

3. Samples Received by / Company	Date/Time	3. Samples Received by / Company	Date/Time

4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time

5. Samples Relinquished by / Company	Date/Time	5. Samples Received by / Company	Date/Time

6. Samples Relinquished by / Company	Date/Time	6. Samples Received by / Company	Date/Time

7. Samples Relinquished by / Company	Date/Time	7. Samples Received by / Company	Date/Time

8. Samples Relinquished by / Company	Date/Time	8. Samples Received by / Company	Date/Time

9. Samples Relinquished by / Company	Date/Time	9. Samples Received by / Company	Date/Time

10. Samples Relinquished by / Company	Date/Time	10. Samples Received by / Company	Date/Time

11. Samples Relinquished by / Company	Date/Time	11. Samples Received by / Company	Date/Time

12. Samples Relinquished by / Company	Date/Time	12. Samples Received by / Company	Date/Time

13. Samples Relinquished by / Company	Date/Time	13. Samples Received by / Company	Date/Time

14. Samples Relinquished by / Company	Date/Time	14. Samples Received by / Company	Date/Time

15. Samples Relinquished by / Company	Date/Time	15. Samples Received by / Company	Date/Time

16. Samples Relinquished by / Company	Date/Time	16. Samples Received by / Company	Date/Time

17. Samples Relinquished by / Company	Date/Time	17. Samples Received by / Company	Date/Time

18. Samples Relinquished by / Company	Date/Time	18. Samples Received by / Company	Date/Time

19. Samples Relinquished by / Company	Date/Time	19. Samples Received by / Company	Date/Time

20. Samples Relinquished by / Company	Date/Time	20. Samples Received by / Company	Date/Time

21. Samples Relinquished by / Company	Date/Time	21. Samples Received by / Company	Date/Time

22. Samples Relinquished by / Company	Date/Time	22. Samples Received by / Company	Date/Time

23. Samples Relinquished by / Company	Date/Time	23. Samples Received by / Company	Date/Time

24. Samples Relinquished by / Company	Date/Time	24. Samples Received by / Company	Date/Time

25. Samples Relinquished by / Company	Date/Time	25. Samples Received by / Company	Date/Time

26. Samples Relinquished by / Company	Date/Time	26. Samples Received by / Company	Date/Time

27. Samples Relinquished by / Company	Date/Time	27. Samples Received by / Company	Date/Time

28. Samples Relinquished by / Company	Date/Time	28. Samples Received by / Company	Date/Time

29. Samples Relinquished by / Company	Date/Time	29. Samples Received by / Company	Date/Time

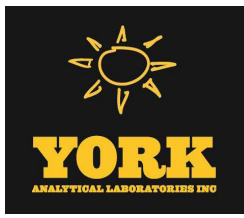
30. Samples Relinquished by / Company	Date/Time	30. Samples Received by / Company	Date/Time

31. Samples Relinquished by / Company	Date/Time	31. Samples Received by / Company	Date/Time

32. Samples Relinquished by / Company	Date/Time	32. Samples Received by / Company	Date/Time

33. Samples Relinquished by / Company	Date/Time	33. Samples Received by / Company	Date/Time

34. Samples Relinquished by / Company	Date/Time	34. Samples Received by / Company	Date/Time



Technical Report

prepared for:

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

Report Date: 08/07/2024
Client Project ID: 20240218
York Project (SDG) No.: 24G1827

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: 08/07/2024
Client Project ID: 20240218
York Project (SDG) No.: 24G1827

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 July 29, 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>
24G1827-01	SB-15 2-4 20240726	Soil	07/26/2024	07/29/2024
24G1827-02	FB-1 20240726	Water	07/26/2024	07/29/2024
24G1827-03	SB-16 0-2 20240726	Soil	07/26/2024	07/29/2024
24G1827-04	SB-17 2-4 20240726	Soil	07/26/2024	07/29/2024
24G1827-05	SB-18 2-4 20240726	Soil	07/26/2024	07/29/2024
24G1827-06	SB-19 8-11 20240726	Soil	07/26/2024	07/29/2024
24G1827-07	SB-20 7-8 20240726	Soil	07/26/2024	07/29/2024
24G1827-08	SB-21 3.5-5 20240726	Soil	07/26/2024	07/29/2024
24G1827-09	SB-22 5-6 20240726	Soil	07/26/2024	07/29/2024

General Notes for York Project (SDG) No.: 24G1827

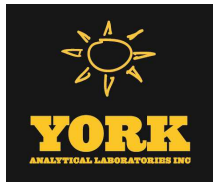
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
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: 08/07/2024





Sample Information

Client Sample ID: SB-15 2-4 20240726

York Sample ID: 24G1827-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Soil

July 26, 2024 9:10 am

07/29/2024

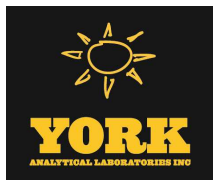
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.146	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0698	0.263	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.138	0.263	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.236	0.241	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.226	0.263	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.220	0.245	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.249	0.263	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.251	0.263	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.261	0.263	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.215	0.263	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.165	0.263	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.136	0.263	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.195	0.263	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.255	0.263	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.143	0.526	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.192	0.263	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.204	0.263	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.251	0.254	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.783	1.00	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.994	1.01	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.143	1.05	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ug/kg dry	0.183	0.469	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 08:58	AM



Sample Information

Client Sample ID: SB-15 2-4 20240726

York Sample ID: 24G1827-01

York Project (SDG) No.
24G1827

Client Project ID
20240218

Matrix
Soil

Collection Date/Time
July 26, 2024 9:10 am

Date Received
07/29/2024

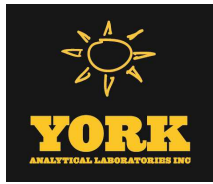
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	PF-CCV -L	ug/kg dry	0.254	0.526	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 08:58	AM
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0816	0.526	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 08:58	AM
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.126	0.526	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 08:58	AM
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.207	0.247	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.783	0.987	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.800	1.05	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.409	0.995	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.324	0.985	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
919005-14-4	* ADONA	ND		ug/kg dry	0.229	0.995	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.222	0.255	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 08:58	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.163	0.253	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 08:58	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPa)	ND		ug/kg dry	0.834	1.32	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 08:58	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.76	6.58	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 08:58	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.97	6.58	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 08:58	AM
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.804	2.63	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 08:58	AM
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.237	0.263	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 08:58	AM
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.917	2.63	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 08:58	AM
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.261	0.263	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 08:58	AM
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		129 %	25-150								
Surrogate: M5PFHxA		109 %	25-150								
Surrogate: M4PFHpA		97.4 %	25-150								
Surrogate: M3PFHxS		107 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)		100 %	25-150								
Surrogate: M6PFDA		112 %	25-150								
Surrogate: M7PFUdA		115 %	25-150								



Sample Information

Client Sample ID: SB-15 2-4 20240726

York Sample ID: 24G1827-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Soil

July 26, 2024 9:10 am

07/29/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	85.5 %			25-150						
	Surrogate: M2PFTeDA	76.5 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	37.0 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	94.8 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	112 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	75.1 %			10-150						
	Surrogate: d3-N-MeFOSAA	62.9 %			25-150						
	Surrogate: d5-N-EtFOSAA	70.3 %			25-150						
	Surrogate: M2-6:2 FTS	167 %			25-200						
	Surrogate: M2-8:2 FTS	112 %			25-200						
	Surrogate: M9PFNA	106 %			25-150						
	Surrogate: M2-4:2 FTS	303 %	PFSu-H		25-150						
	Surrogate: d-N-MeFOSA	61.3 %			25-150						
	Surrogate: d-N-EtFOSA	28.1 %			25-150						
	Surrogate: M3HFPO-DA	133 %			25-150						
	Surrogate: d9-N-EtFOSE	78.4 %			25-150						
	Surrogate: d7-N-MeFOSE	85.6 %			25-150						

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	75.8		%	0.100	1	SM 2540G	07/30/2024 16:13	07/31/2024 09:50	AC
							Certifications:	CTDOH-PH-0723		

Sample Information

Client Sample ID: FB-1 20240726

York Sample ID: 24G1827-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Water

July 26, 2024 9:00 am

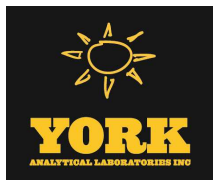
07/29/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:





Sample Information

Client Sample ID: FB-1 20240726

York Sample ID: 24G1827-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

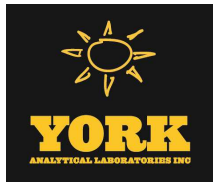
Water

July 26, 2024 9:00 am

07/29/2024

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.438	1.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.326	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.662	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.634	1.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.392	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.765	1.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.485	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.699	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.05	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.821	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.690	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.643	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.737	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
2991-50-6	N-EtFOSAA	ND		ng/L	0.961	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.214	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.821	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.849	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.23	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	0.989	7.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.91	7.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.308	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.466	3.32	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/05/2024 08:14	08/06/2024 12:28	AM
151772-58-6	Perfluoro-3,6-dioxahptanoic acid (NFDHA)	ND		ng/L	2.00	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/05/2024 08:14	08/06/2024 12:28	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.233	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/05/2024 08:14	08/06/2024 12:28	AM



Sample Information

Client Sample ID: FB-1 20240726

York Sample ID: 24G1827-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Water

July 26, 2024 9:00 am

07/29/2024

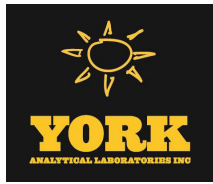
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.345	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	08/05/2024 08:14	08/06/2024 12:28	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.709	1.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.67	6.99	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.01	7.46	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.29	7.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	0.653	6.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
919005-14-4	ADONA	ND		ng/L	0.494	7.05	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.867	1.81	1	EPA 1633 Draft 3 Certifications:	08/05/2024 08:14	08/06/2024 12:28	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.802	1.79	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	08/05/2024 08:14	08/06/2024 12:28	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPtPA)	ND		ng/L	1.89	4.66	1	EPA 1633 Draft 3 Certifications:	08/05/2024 08:14	08/06/2024 12:28	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.84	23.3	1	EPA 1633 Draft 3 Certifications:	08/05/2024 08:14	08/06/2024 12:28	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.83	23.3	1	EPA 1633 Draft 3 Certifications:	08/05/2024 08:14	08/06/2024 12:28	AM
24448-09-7	* N-MeFOSE	ND		ng/L	3.72	18.7	1	EPA 1633 Draft 3 Certifications:	08/05/2024 08:14	08/06/2024 12:28	AM
31506-32-8	* N-MeFOSA	ND		ng/L	1.47	1.87	1	EPA 1633 Draft 3 Certifications:	08/05/2024 08:14	08/06/2024 12:28	AM
1691-99-2	* N-EtFOSE	ND		ng/L	3.72	18.7	1	EPA 1633 Draft 3 Certifications:	08/05/2024 08:14	08/06/2024 12:28	AM
4151-50-2	* N-EtFOSA	ND		ng/L	1.68	1.87	1	EPA 1633 Draft 3 Certifications:	08/05/2024 08:14	08/06/2024 12:28	AM
Surrogate Recoveries		Result		Acceptance Range							
Surrogate: M3PFBS		137 %		25-150							
Surrogate: M5PFHxA		123 %		25-150							
Surrogate: M4PFHpA		116 %		25-150							
Surrogate: M3PFHxS		129 %		25-150							
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)		133 %		25-150							
Surrogate: M6PFDA		130 %		25-150							
Surrogate: M7PFUdA		165 %	PFSu-H	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)		129 %		25-150							
Surrogate: M2PFTeDA		90.1 %		10-150							



Sample Information

Client Sample ID: FB-1 20240726

York Sample ID: 24G1827-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Water

July 26, 2024 9:00 am

07/29/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.84 %		PFSu-L	25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	145 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	72.1 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	109 %			10-150						
	Surrogate: d3-N-MeFOSAA	87.0 %			25-150						
	Surrogate: d5-N-EtFOSAA	121 %			25-150						
	Surrogate: M2-6:2 FTS	146 %			25-200						
	Surrogate: M2-8:2 FTS	127 %			25-200						
	Surrogate: M9PFNA	130 %			25-150						
	Surrogate: M2-4:2 FTS	192 %		PFSu-H	25-150						
	Surrogate: d-N-MeFOSA	89.1 %			25-150						
	Surrogate: d-N-EtFOSA	43.9 %			25-150						
	Surrogate: M3HFPO-DA	157 %		PFSu-H	25-150						
	Surrogate: d9-N-EtFOSE	112 %			25-150						
	Surrogate: d7-N-MeFOSE	121 %			25-150						

Sample Information

Client Sample ID: SB-16 0-2 20240726

York Sample ID: 24G1827-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Soil

July 26, 2024 9:30 am

07/29/2024

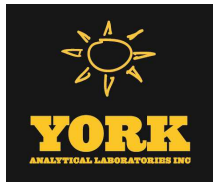
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.126	0.201	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0603	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.119	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.204	0.208	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.196	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.190	0.212	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM



Sample Information

Client Sample ID: SB-16 0-2 20240726

York Sample ID: 24G1827-03

York Project (SDG) No.

24G1827

Client Project ID

20240218

Matrix

Soil

Collection Date/Time

July 26, 2024 9:30 am

Date Received

07/29/2024

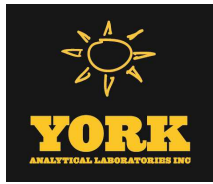
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.215	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.217	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.225	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.185	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.142	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.117	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.168	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.221	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.124	0.455	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.166	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.176	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.217	0.219	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.677	0.864	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.859	0.873	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.124	0.910	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ug/kg dry	0.158	0.405	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:43	AM
151772-58-6	* Perfluoro-3,6-dioxahheptanoic acid (NFDHA)	ND		ug/kg dry	0.219	0.455	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:43	AM
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ug/kg dry	0.0705	0.455	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:43	AM
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.109	0.455	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:43	AM
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.179	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.677	0.853	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.691	0.910	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.354	0.860	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM



Sample Information

Client Sample ID: SB-16 0-2 20240726

York Sample ID: 24G1827-03

York Project (SDG) No.

24G1827

Client Project ID

20240218

Matrix

Soil

Collection Date/Time

July 26, 2024 9:30 am

Date Received

07/29/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

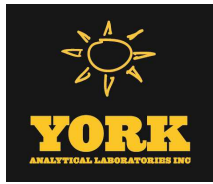
CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.280	0.851	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
919005-14-4	* ADONA	ND		ug/kg dry	0.198	0.860	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND	PF-LCS -L	ug/kg dry	0.192	0.221	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:43	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.141	0.218	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:43	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPtPA)	ND		ug/kg dry	0.721	1.14	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:43	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.39	5.69	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:43	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.71	5.69	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:43	AM
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.695	2.27	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:43	AM
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.205	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:43	AM
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.793	2.27	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:43	AM
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.225	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:43	AM

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	107 %		25-150
Surrogate: M5PFHxA	106 %		25-150
Surrogate: M4PFHpA	102 %		25-150
Surrogate: M3PFHxS	100 %		25-150
Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	105 %		25-150
Surrogate: M6PFDA	116 %		25-150
Surrogate: M7PFUdA	131 %		25-150
Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	105 %		25-150
Surrogate: M2PFTeDA	92.7 %		10-150
Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	8.84 %	PFSu-L	25-150
Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	125 %		25-150
Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	102 %		25-150
Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	106 %		10-150
Surrogate: d3-N-MeFOSAA	98.2 %		25-150
Surrogate: d5-N-EtFOSAA	120 %		25-150
Surrogate: M2-6:2 FTS	148 %		25-200



Sample Information

Client Sample ID: SB-16 0-2 20240726

York Sample ID: 24G1827-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Soil

July 26, 2024 9:30 am

07/29/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M2-8:2 FTS	130 %			25-200						
	Surrogate: M9PFNA	96.0 %			25-150						
	Surrogate: M2-4:2 FTS	218 %	PFSu-H		25-150						
	Surrogate: d-N-MeFOSA	70.0 %			25-150						
	Surrogate: d-N-EtFOSA	34.6 %			25-150						
	Surrogate: M3HFPO-DA	121 %			25-150						
	Surrogate: d9-N-EtFOSE	93.1 %			25-150						
	Surrogate: d7-N-MeFOSE	106 %			25-150						

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	86.4		%	0.100	1	SM 2540G	07/30/2024 16:13	07/31/2024 09:50	AC
							Certifications:	CTDOH-PH-0723		

Sample Information

Client Sample ID: SB-17 2-4 20240726

York Sample ID: 24G1827-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Soil

July 26, 2024 10:30 am

07/29/2024

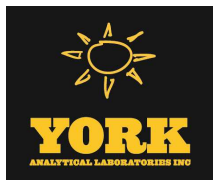
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.133	0.212	1	EPA 1633 Draft 3	08/04/2024 09:46	08/06/2024 09:14	AM
								Certifications:	NELAC-NH2097 ,NJDEP-NY037		
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0636	0.240	1	EPA 1633 Draft 3	08/04/2024 09:46	08/06/2024 09:14	AM
								Certifications:	NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037		
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.126	0.240	1	EPA 1633 Draft 3	08/04/2024 09:46	08/06/2024 09:14	AM
								Certifications:	NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037		
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.215	0.219	1	EPA 1633 Draft 3	08/04/2024 09:46	08/06/2024 09:14	AM
								Certifications:	NELAC-NH2097 ,NJDEP-NY037		
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.206	0.240	1	EPA 1633 Draft 3	08/04/2024 09:46	08/06/2024 09:14	AM
								Certifications:	NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037		
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.200	J	ug/kg dry	0.200	0.223	1	EPA 1633 Draft 3	08/04/2024 09:46	08/06/2024 09:14	AM
								Certifications:	NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037		
375-95-1	Perfluorononanoic acid (PFNA)	2.02		ug/kg dry	0.227	0.240	1	EPA 1633 Draft 3	08/04/2024 09:46	08/06/2024 09:14	AM
								Certifications:	NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037		



Sample Information

Client Sample ID: SB-17 2-4 20240726

York Sample ID: 24G1827-04

York Project (SDG) No.
24G1827

Client Project ID
20240218

Matrix
Soil

Collection Date/Time
July 26, 2024 10:30 am

Date Received
07/29/2024

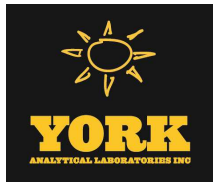
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.229	0.240	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.237	0.240	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.196	0.240	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ug/kg dry	0.150	0.240	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.124	0.240	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.178	0.240	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.233	0.240	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.131	0.480	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.175	0.240	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.186	0.240	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.229	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.714	0.912	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.906	0.921	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.131	0.960	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ug/kg dry	0.167	0.427	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:14	AM
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	PF-CCV -L	ug/kg dry	0.231	0.480	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:14	AM
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0744	0.480	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:14	AM
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.115	0.480	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:14	AM
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.188	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.714	0.900	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.729	0.960	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.373	0.907	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.295	0.897	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM



Sample Information

Client Sample ID: SB-17 2-4 20240726

York Sample ID: 24G1827-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Soil

July 26, 2024 10:30 am

07/29/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

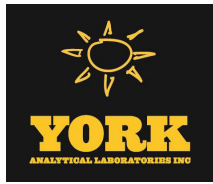
CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
919005-14-4	* ADONA	ND		ug/kg dry	0.209	0.907	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.203	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:14	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.149	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:14	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ug/kg dry	0.760	1.20	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:14	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPpPA)	ND		ug/kg dry	2.52	6.00	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:14	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.80	6.00	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:14	AM
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.733	2.40	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:14	AM
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.216	0.240	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:14	AM
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.836	2.40	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:14	AM
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.237	0.240	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:14	AM

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	119 %	25-150
Surrogate: M5PFHxA	116 %	25-150
Surrogate: M4PFHpA	97.8 %	25-150
Surrogate: M3PFHxS	111 %	25-150
Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	119 %	25-150
Surrogate: M6PFDA	123 %	25-150
Surrogate: M7PFUDA	142 %	25-150
Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	106 %	25-150
Surrogate: M2PFTeDA	79.3 %	10-150
Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	111 %	25-150
Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	125 %	25-150
Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	111 %	25-150
Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	77.0 %	10-150
Surrogate: d3-N-MeFOSAA	86.5 %	25-150
Surrogate: d5-N-EtFOSAA	112 %	25-150
Surrogate: M2-6:2 FTS	187 %	25-200
Surrogate: M2-8:2 FTS	141 %	25-200



Sample Information

Client Sample ID: SB-17 2-4 20240726

York Sample ID: 24G1827-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Soil

July 26, 2024 10:30 am

07/29/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M9PFNA	106 %			25-150						
	Surrogate: M2-4:2 FTS	299 %	PFSu-H		25-150						
	Surrogate: d-N-MeFOSA	51.1 %			25-150						
	Surrogate: d-N-EtFOSA	30.9 %			25-150						
	Surrogate: M3HFPO-DA	117 %			25-150						
	Surrogate: d9-N-EtFOSE	65.5 %			25-150						
	Surrogate: d7-N-MeFOSE	64.7 %			25-150						

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.4		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	07/30/2024 16:13	07/31/2024 09:50	AC

Sample Information

Client Sample ID: SB-18 2-4 20240726

York Sample ID: 24G1827-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Soil

July 26, 2024 11:10 am

07/29/2024

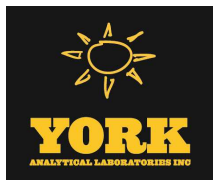
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.128	0.204	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0610	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.121	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.206	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.198	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.289		ug/kg dry	0.192	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.218	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM



Sample Information

Client Sample ID: SB-18 2-4 20240726

York Sample ID: 24G1827-05

York Project (SDG) No.
24G1827

Client Project ID
20240218

Matrix
Soil

Collection Date/Time
July 26, 2024 11:10 am

Date Received
07/29/2024

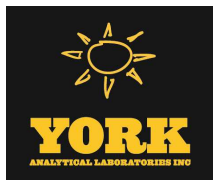
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.220	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.228	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.188	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ug/kg dry	0.144	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.119	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.170	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.223	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.126	0.461	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.168	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.179	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.220	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.685	0.875	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.870	0.885	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.126	0.921	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ug/kg dry	0.160	0.410	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:59	AM
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.222	0.461	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:59	AM
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ug/kg dry	0.0714	0.461	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:59	AM
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.111	0.461	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:59	AM
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.181	0.217	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.685	0.864	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.700	0.921	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.358	0.871	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.283	0.862	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM



Sample Information

Client Sample ID: SB-18 2-4 20240726

York Sample ID: 24G1827-05

York Project (SDG) No.
24G1827

Client Project ID
20240218

Matrix
Soil

Collection Date/Time
July 26, 2024 11:10 am

Date Received
07/29/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

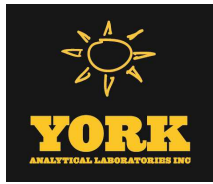
CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
919005-14-4	* ADONA	ND		ug/kg dry	0.200	0.871	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND	PF-LCS -L	ug/kg dry	0.195	0.223	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:59	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.143	0.221	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 20:59	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ug/kg dry	0.730	1.15	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:59	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.42	5.76	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:59	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.73	5.76	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:59	AM
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.704	2.30	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:59	AM
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.207	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:59	AM
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.803	2.30	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:59	AM
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.228	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 20:59	AM

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	114 %	25-150
Surrogate: M5PFHxA	90.1 %	25-150
Surrogate: M4PFHpA	85.9 %	25-150
Surrogate: M3PFHxS	108 %	25-150
Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	97.4 %	25-150
Surrogate: M6PFDA	95.4 %	25-150
Surrogate: M7PFUDA	112 %	25-150
Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	99.5 %	25-150
Surrogate: M2PFTeDA	77.9 %	10-150
Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	3.43 %	25-150
Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	117 %	25-150
Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	69.5 %	25-150
Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	68.4 %	10-150
Surrogate: d3-N-MeFOSAA	90.4 %	25-150
Surrogate: d5-N-EtFOSAA	102 %	25-150
Surrogate: M2-6:2 FTS	165 %	25-200
Surrogate: M2-8:2 FTS	140 %	25-200



Sample Information

Client Sample ID: SB-18 2-4 20240726

York Sample ID: 24G1827-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Soil

July 26, 2024 11:10 am

07/29/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M9PFNA	99.3 %			25-150						
	Surrogate: M2-4:2 FTS	243 %	PFSu-H		25-150						
	Surrogate: d-N-MeFOSA	53.7 %			25-150						
	Surrogate: d-N-EtFOSA	21.3 %	PFSu-L		25-150						
	Surrogate: M3HFPO-DA	98.7 %			25-150						
	Surrogate: d9-N-EtFOSE	56.8 %			25-150						
	Surrogate: d7-N-MeFOSE	59.6 %			25-150						

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	86.0		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	07/30/2024 16:13	07/31/2024 09:50	AC

Sample Information

Client Sample ID: SB-19 8-11 20240726

York Sample ID: 24G1827-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Soil

July 26, 2024 11:40 am

07/29/2024

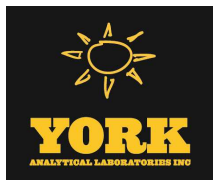
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.139	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0664	0.251	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.132	0.251	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.224	0.229	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.215	0.251	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.209	0.233	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.237	0.251	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM



Sample Information

Client Sample ID: SB-19 8-11 20240726

York Sample ID: 24G1827-06

York Project (SDG) No.
24G1827

Client Project ID
20240218

Matrix
Soil

Collection Date/Time
July 26, 2024 11:40 am

Date Received
07/29/2024

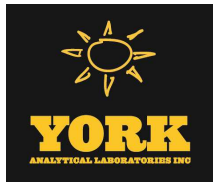
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.239	0.251	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.248	0.251	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.204	0.251	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ug/kg dry	0.157	0.251	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.129	0.251	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.185	0.251	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.243	0.251	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.137	0.501	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.183	0.251	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.194	0.251	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.239	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.745	0.952	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.946	0.962	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.137	1.00	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ug/kg dry	0.174	0.446	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 21:15	AM
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.242	0.501	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 21:15	AM
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND	PF-LCS -L	ug/kg dry	0.0777	0.501	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 21:15	AM
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.120	0.501	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 21:15	AM
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.197	0.235	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.745	0.939	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.762	1.00	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.390	0.947	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.308	0.937	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM



Sample Information

Client Sample ID: SB-19 8-11 20240726

York Sample ID: 24G1827-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Soil

July 26, 2024 11:40 am

07/29/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

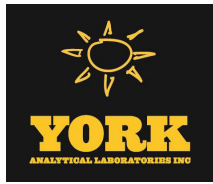
CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
919005-14-4	* ADONA	ND		ug/kg dry	0.218	0.947	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND	PF-LCS -L	ug/kg dry	0.212	0.243	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 21:15	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.155	0.240	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 21:15	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ug/kg dry	0.794	1.25	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 21:15	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPPrPA)	ND		ug/kg dry	2.63	6.26	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 21:15	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHPrPA)	ND		ug/kg dry	1.88	6.26	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 21:15	AM
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.765	2.51	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 21:15	AM
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.225	0.251	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 21:15	AM
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.873	2.51	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 21:15	AM
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.248	0.251	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 21:15	AM

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	117 %	25-150
Surrogate: M5PFHxA	106 %	25-150
Surrogate: M4PFHpA	98.9 %	25-150
Surrogate: M3PFHxS	113 %	25-150
Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	105 %	25-150
Surrogate: M6PFDA	115 %	25-150
Surrogate: M7PFUDA	125 %	25-150
Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	98.8 %	25-150
Surrogate: M2PFTeDA	98.3 %	10-150
Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	6.28 %	PFSu-L 25-150
Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	124 %	25-150
Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	100 %	25-150
Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	89.3 %	10-150
Surrogate: d3-N-MeFOSAA	88.6 %	25-150
Surrogate: d5-N-EtFOSAA	112 %	25-150
Surrogate: M2-6:2 FTS	164 %	25-200
Surrogate: M2-8:2 FTS	136 %	25-200



Sample Information

Client Sample ID: SB-19 8-11 20240726

York Sample ID: 24G1827-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Soil

July 26, 2024 11:40 am

07/29/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M9PFNA	97.7 %			25-150						
	Surrogate: M2-4:2 FTS	249 %	PFSu-H		25-150						
	Surrogate: d-N-MeFOSA	67.5 %			25-150						
	Surrogate: d-N-EtFOSA	32.5 %			25-150						
	Surrogate: M3HFPO-DA	124 %			25-150						
	Surrogate: d9-N-EtFOSE	75.6 %			25-150						
	Surrogate: d7-N-MeFOSE	79.1 %			25-150						

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	79.5		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	07/30/2024 16:13	07/31/2024 09:50	AC

Sample Information

Client Sample ID: SB-20 7-8 20240726

York Sample ID: 24G1827-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Soil

July 26, 2024 12:45 pm

07/29/2024

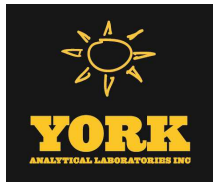
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.130	0.207	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0621	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.123	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.210	0.214	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.202	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.196	0.218	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.221	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM



Sample Information

Client Sample ID: SB-20 7-8 20240726

York Sample ID: 24G1827-07

York Project (SDG) No.

24G1827

Client Project ID

20240218

Matrix

Soil

Collection Date/Time

July 26, 2024 12:45 pm

Date Received

07/29/2024

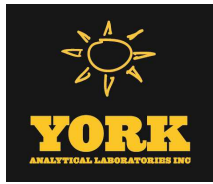
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.224	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.232	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.191	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ug/kg dry	0.146	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.121	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.173	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.227	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.128	0.469	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.171	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.182	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.224	0.226	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.697	0.891	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.885	0.900	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.128	0.938	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ug/kg dry	0.163	0.417	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:30	AM
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	PF-CCV -L	ug/kg dry	0.226	0.469	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:30	AM
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0727	0.469	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:30	AM
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.113	0.469	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:30	AM
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.184	0.220	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.697	0.879	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.713	0.938	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.364	0.886	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.288	0.877	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM



Sample Information

Client Sample ID: SB-20 7-8 20240726

York Sample ID: 24G1827-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Soil

July 26, 2024 12:45 pm

07/29/2024

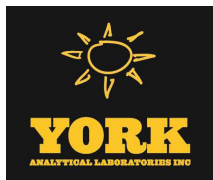
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
919005-14-4	* ADONA	ND		ug/kg dry	0.204	0.886	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.198	0.227	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:30	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.145	0.225	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:30	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPpPA)	ND		ug/kg dry	0.743	1.17	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:30	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPpPA)	ND		ug/kg dry	2.46	5.86	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:30	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.76	5.86	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:30	AM
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.716	2.34	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:30	AM
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.211	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:30	AM
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.817	2.34	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:30	AM
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.232	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:30	AM
Surrogate Recoveries		Result		Acceptance Range							
Surrogate: M3PFBS		134 %		25-150							
Surrogate: M5PFHxA		122 %		25-150							
Surrogate: M4PFHpA		104 %		25-150							
Surrogate: M3PFHxS		124 %		25-150							
Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)		120 %		25-150							
Surrogate: M6PFDA		108 %		25-150							
Surrogate: M7PFUDA		129 %		25-150							
Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)		99.5 %		25-150							
Surrogate: M2PFTeDA		80.6 %		10-150							
Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)		57.4 %		25-150							
Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)		141 %		25-150							
Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)		115 %		25-150							
Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)		82.5 %		10-150							
Surrogate: d3-N-MeFOSAA		106 %		25-150							
Surrogate: d5-N-EtFOSAA		117 %		25-150							
Surrogate: M2-6:2 FTS		203 %	PFSu-H	25-200							
Surrogate: M2-8:2 FTS		162 %		25-200							



Sample Information

Client Sample ID: SB-20 7-8 20240726

York Sample ID: 24G1827-07

York Project (SDG) No.
24G1827

Client Project ID
20240218

Matrix
Soil

Collection Date/Time
July 26, 2024 12:45 pm

Date Received
07/29/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M9PFNA	138 %			25-150						
	Surrogate: M2-4:2 FTS	338 %	PFSu-H		25-150						
	Surrogate: d-N-MeFOSA	57.2 %			25-150						
	Surrogate: d-N-EtFOSA	24.6 %	PFSu-L		25-150						
	Surrogate: M3HFPO-DA	127 %			25-150						
	Surrogate: d9-N-EtFOSE	78.7 %			25-150						
	Surrogate: d7-N-MeFOSE	80.1 %			25-150						

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	84.3		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	07/30/2024 16:13	07/31/2024 09:50	AC

Sample Information

Client Sample ID: SB-21 3.5-5 20240726

York Sample ID: 24G1827-08

York Project (SDG) No.
24G1827

Client Project ID
20240218

Matrix
Soil

Collection Date/Time
July 26, 2024 1:30 pm

Date Received
07/29/2024

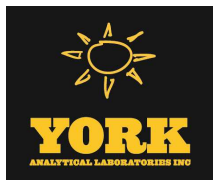
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.138	0.221	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0660	0.249	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.131	0.249	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.223	0.228	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.214	0.249	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.208	0.232	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.236	0.249	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM



Sample Information

Client Sample ID: SB-21 3.5-5 20240726

York Sample ID: 24G1827-08

York Project (SDG) No.
24G1827

Client Project ID
20240218

Matrix
Soil

Collection Date/Time
July 26, 2024 1:30 pm

Date Received
07/29/2024

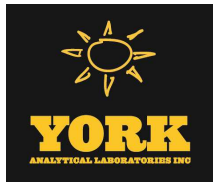
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.238	0.249	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.247	0.249	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.203	0.249	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ug/kg dry	0.156	0.249	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.128	0.249	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.184	0.249	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.242	0.249	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.136	0.498	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.182	0.249	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.193	0.249	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.238	0.241	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.741	0.947	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.941	0.957	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.136	0.997	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ug/kg dry	0.173	0.444	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:46	AM
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	PF-CCV -L	ug/kg dry	0.241	0.498	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:46	AM
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0773	0.498	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:46	AM
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.120	0.498	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:46	AM
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.196	0.234	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.741	0.935	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.758	0.997	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.388	0.942	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.307	0.932	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM



Sample Information

Client Sample ID: SB-21 3.5-5 20240726

York Sample ID: 24G1827-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Soil

July 26, 2024 1:30 pm

07/29/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

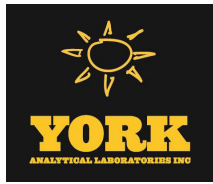
CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
919005-14-4	* ADONA	ND		ug/kg dry	0.217	0.942	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.211	0.242	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:46	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.155	0.239	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 09:46	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ug/kg dry	0.790	1.25	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:46	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPpPA)	ND		ug/kg dry	2.61	6.23	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:46	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.87	6.23	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:46	AM
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.761	2.49	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:46	AM
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.224	0.249	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:46	AM
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.869	2.49	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:46	AM
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.247	0.249	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 09:46	AM

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	130 %	25-150
Surrogate: M5PFHxA	109 %	25-150
Surrogate: M4PFHpA	92.7 %	25-150
Surrogate: M3PFHxS	117 %	25-150
Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	113 %	25-150
Surrogate: M6PFDA	111 %	25-150
Surrogate: M7PFUDA	130 %	25-150
Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	122 %	25-150
Surrogate: M2PFTeDA	82.1 %	10-150
Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	54.3 %	25-150
Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	133 %	25-150
Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	104 %	25-150
Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	83.7 %	10-150
Surrogate: d3-N-MeFOSAA	100 %	25-150
Surrogate: d5-N-EtFOSAA	121 %	25-150
Surrogate: M2-6:2 FTS	189 %	25-200
Surrogate: M2-8:2 FTS	162 %	25-200



Sample Information

Client Sample ID: SB-21 3.5-5 20240726

York Sample ID: 24G1827-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Soil

July 26, 2024 1:30 pm

07/29/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M9PFNA	117 %			25-150						
	Surrogate: M2-4:2 FTS	295 %	PFSu-H		25-150						
	Surrogate: d-N-MeFOSA	48.4 %			25-150						
	Surrogate: d-N-EtFOSA	32.4 %			25-150						
	Surrogate: M3HFPO-DA	123 %			25-150						
	Surrogate: d9-N-EtFOSE	77.2 %			25-150						
	Surrogate: d7-N-MeFOSE	92.9 %			25-150						

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	79.8		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	07/30/2024 16:13	07/31/2024 09:50	AC

Sample Information

Client Sample ID: SB-22 5-6 20240726

York Sample ID: 24G1827-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Soil

July 26, 2024 2:00 pm

07/29/2024

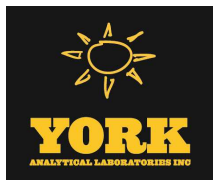
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.132	0.211	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0632	0.238	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.125	0.238	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.213	0.218	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.205	0.238	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.199	0.222	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.225	0.238	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM



Sample Information

Client Sample ID: SB-22 5-6 20240726

York Sample ID: 24G1827-09

York Project (SDG) No.
24G1827

Client Project ID
20240218

Matrix
Soil

Collection Date/Time
July 26, 2024 2:00 pm

Date Received
07/29/2024

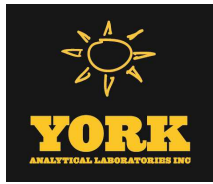
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.228	0.238	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.236	0.238	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.194	0.238	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ug/kg dry	0.149	0.238	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.123	0.238	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.176	0.238	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
2991-50-6	N-EtFOSAA	ND		ug/kg dry	0.231	0.238	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.130	0.477	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.174	0.238	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.185	0.238	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.228	0.230	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.709	0.906	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.900	0.915	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.130	0.953	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NELAC-NY12058,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ug/kg dry	0.166	0.424	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 22:03	AM
151772-58-6	* Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ug/kg dry	0.230	0.477	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 22:03	AM
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0739	0.477	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 22:03	AM
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.114	0.477	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 22:03	AM
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.187	0.224	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.709	0.894	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.724	0.953	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.371	0.901	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.293	0.891	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM



Sample Information

Client Sample ID: SB-22 5-6 20240726

York Sample ID: 24G1827-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24G1827

20240218

Soil

July 26, 2024 2:00 pm

07/29/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

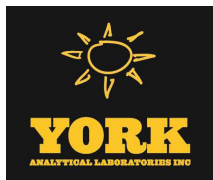
CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
919005-14-4	* ADONA	ND		ug/kg dry	0.207	0.901	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.201	0.231	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 22:03	AM
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.148	0.229	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097 ,NJDEP-NY037	08/04/2024 09:46	08/06/2024 22:03	AM
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ug/kg dry	0.755	1.19	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 22:03	AM
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPpPA)	ND		ug/kg dry	2.50	5.96	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 22:03	AM
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.79	5.96	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 22:03	AM
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.728	2.38	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 22:03	AM
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.214	0.238	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 22:03	AM
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.830	2.38	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 22:03	AM
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.236	0.238	1	EPA 1633 Draft 3 Certifications: NELAC-NH2097	08/04/2024 09:46	08/06/2024 22:03	AM

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	123 %		25-150
Surrogate: M5PFHxA	109 %		25-150
Surrogate: M4PFHpA	98.2 %		25-150
Surrogate: M3PFHxS	113 %		25-150
Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	114 %		25-150
Surrogate: M6PFDA	103 %		25-150
Surrogate: M7PFUDA	134 %		25-150
Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	108 %		25-150
Surrogate: M2PFTeDA	85.3 %		10-150
Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	4.24 %	PFSu-L	25-150
Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	114 %		25-150
Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	92.4 %		25-150
Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	93.0 %		10-150
Surrogate: d3-N-MeFOSAA	83.8 %		25-150
Surrogate: d5-N-EtFOSAA	108 %		25-150
Surrogate: M2-6:2 FTS	171 %		25-200
Surrogate: M2-8:2 FTS	147 %		25-200



Sample Information

Client Sample ID: SB-22 5-6 20240726

York Sample ID: 24G1827-09

York Project (SDG) No.
24G1827

Client Project ID
20240218

Matrix
Soil

Collection Date/Time
July 26, 2024 2:00 pm

Date Received
07/29/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M9PFNA	97.7 %			25-150						
	Surrogate: M2-4:2 FTS	246 %	PFSu-H		25-150						
	Surrogate: d-N-MeFOSA	83.0 %			25-150						
	Surrogate: d-N-EtFOSA	49.3 %			25-150						
	Surrogate: M3HFPO-DA	121 %			25-150						
	Surrogate: d9-N-EtFOSE	94.4 %			25-150						
	Surrogate: d7-N-MeFOSE	105 %			25-150						

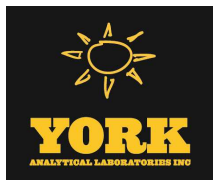
Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.3		%	0.100	1	SM 2540G	07/30/2024 16:13	07/31/2024 09:50	AC
							Certifications:	CTDOH-PH-0723		



Analytical Batch Summary

Batch ID: BG41933 **Preparation Method:** % Solids Prep **Prepared By:** AC

YORK Sample ID	Client Sample ID	Preparation Date
24G1827-01	SB-15 2-4 20240726	07/30/24
24G1827-03	SB-16 0-2 20240726	07/30/24
24G1827-04	SB-17 2-4 20240726	07/30/24
24G1827-05	SB-18 2-4 20240726	07/30/24
24G1827-06	SB-19 8-11 20240726	07/30/24
24G1827-07	SB-20 7-8 20240726	07/30/24
24G1827-08	SB-21 3.5-5 20240726	07/30/24
24G1827-09	SB-22 5-6 20240726	07/30/24
BG41933-DUP1	Duplicate	07/30/24

Batch ID: BH40200 **Preparation Method:** EPA 1633 Prep **Prepared By:** SAB

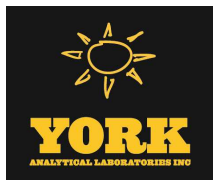
YORK Sample ID	Client Sample ID	Preparation Date
24G1827-01	SB-15 2-4 20240726	08/04/24
24G1827-03	SB-16 0-2 20240726	08/04/24
24G1827-04	SB-17 2-4 20240726	08/04/24
24G1827-05	SB-18 2-4 20240726	08/04/24
24G1827-06	SB-19 8-11 20240726	08/04/24
24G1827-07	SB-20 7-8 20240726	08/04/24
24G1827-08	SB-21 3.5-5 20240726	08/04/24
24G1827-09	SB-22 5-6 20240726	08/04/24
BH40200-BLK1	Blank	08/04/24
BH40200-BS1	LCS	08/04/24
BH40200-BS2	LCS	08/04/24

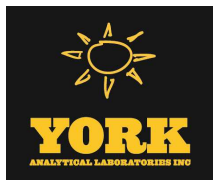
Batch ID: BH40229 **Preparation Method:** EPA 1633 Prep **Prepared By:** K H

YORK Sample ID	Client Sample ID	Preparation Date
24G1827-02	FB-1 20240726	08/05/24
BH40229-BLK1	Blank	08/05/24
BH40229-BS1	LCS	08/05/24
BH40229-BS2	LCS	08/05/24

Batch ID: BH40265 **Preparation Method:** EPA 1633 Prep **Prepared By:** SAB

YORK Sample ID	Client Sample ID	Preparation Date
24G1827-03RE1	SB-16 0-2 20240726	08/04/24
24G1827-05RE1	SB-18 2-4 20240726	08/04/24
24G1827-06RE1	SB-19 8-11 20240726	08/04/24
24G1827-09RE1	SB-22 5-6 20240726	08/04/24
BH40265-BLK1	Blank	08/05/24
BH40265-BS1	LCS	08/05/24
BH40265-BS2	LCS	08/05/24

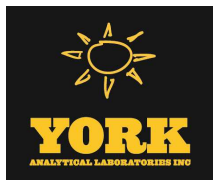




PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH40200 - EPA 1633 Prep											
Blank (BH40200-BLK1)						Prepared: 08/04/2024 Analyzed: 08/06/2024					
Perfluorobutanesulfonic acid (PFBS)	ND	0.175	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.198	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.198	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.181	"								
Perfluorooctanoic acid (PFOA)	ND	0.198	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.184	"								
Perfluorononanoic acid (PFNA)	ND	0.198	"								
Perfluorodecanoic acid (PFDA)	ND	0.198	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.198	"								
Perfluorododecanoic acid (PFDoA)	ND	0.198	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.198	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.198	"								
N-MeFOSAA	ND	0.198	"								
N-EtFOSAA	ND	0.198	"								
Perfluoropentanoic acid (PFPeA)	ND	0.396	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.198	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.198	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.191	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	0.752	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	0.760	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.792	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.352	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.396	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.396	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.396	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.186	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	0.743	"								
HFPO-DA (Gen-X)	ND	0.792	"								
11CL-PF3OUdS	ND	0.749	"								
9CL-PF3ONS	ND	0.741	"								
ADONA	ND	0.749	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	0.192	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.190	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	0.990	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	4.95	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	4.95	"								
N-MeFOSE	ND	1.98	"								
N-MeFOSA	ND	0.198	"								
N-EtFOSE	ND	1.98	"								
N-EtFOSA	ND	0.198	"								
Surrogate: M3PFBS	2.92		"	2.31		127	25-150				
Surrogate: M5PFHxA	2.99		"	2.48		121	25-150				
Surrogate: M4PFHpA	2.13		"	2.48		86.0	25-150				
Surrogate: M3PFHxS	2.77		"	2.35		118	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.12		"	2.48		126	25-150				
Surrogate: M6PFDA	1.40		"	1.24		113	25-150				



PFAS Target compounds by LC/MS-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 BH40200 - EPA 1633 Prep

Blank (BH40200-BLK1)

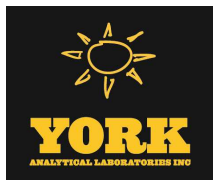
Prepared: 08/04/2024 Analyzed: 08/06/2024

Surrogate: M7PFUdA	1.55		ug/kg wet	1.24		125	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.947		"	1.24		76.5	25-150				
Surrogate: M2PFTeDA	0.537		"	1.24		43.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	12.1		"	9.90		122	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.76		"	2.37		117	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.70		"	4.95		115	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.72		"	2.48		110	10-150				
Surrogate: d3-N-MeFOSAA	3.90		"	4.95		78.7	25-150				
Surrogate: d5-N-EtFOSAA	4.83		"	4.95		97.6	25-150				
Surrogate: M2-6:2 FTS	9.62		"	4.71		204	25-200				
Surrogate: M2-8:2 FTS	7.94		"	4.75		167	25-200				
Surrogate: M9PFNA	1.31		"	1.24		106	25-150				
Surrogate: M2-4:2 FTS	15.2		"	4.64		328	25-150				
Surrogate: d-N-MeFOSA	1.20		"	2.48		48.6	25-150				
Surrogate: d-N-EtFOSA	0.599		"	2.48		24.2	25-150				
Surrogate: M3HFPO-DA	13.4		"	9.90		135	25-150				
Surrogate: d9-N-EtFOSE	11.4		"	24.8		45.9	25-150				
Surrogate: d7-N-MeFOSE	24.5		"	24.8		98.9	25-150				

LCS (BH40200-BS1)

Prepared: 08/04/2024 Analyzed: 08/06/2024

Perfluorobutanesulfonic acid (PFBS)	3.49	0.177	ug/kg wet	3.54		98.5	50-150				
Perfluorohexanoic acid (PFHxA)	3.56	0.200	"	4.00		89.1	50-150				
Perfluoroheptanoic acid (PFHpA)	4.57	0.200	"	4.00		114	50-150				
Perfluorohexanesulfonic acid (PFHxS)	3.33	0.183	"	3.66		91.0	50-150				
Perfluorooctanoic acid (PFOA)	3.17	0.200	"	4.00		79.3	50-150				
Perfluorooctanesulfonic acid (PFOS)	3.42	0.186	"	3.72		92.0	50-150				
Perfluorononanoic acid (PFNA)	3.59	0.200	"	4.00		89.8	50-150				
Perfluorodecanoic acid (PFDA)	3.69	0.200	"	4.00		92.2	50-150				
Perfluoroundecanoic acid (PFUnA)	4.12	0.200	"	4.00		103	50-150				
Perfluorododecanoic acid (PFDoA)	4.24	0.200	"	4.00		106	50-150				
Perfluorotridecanoic acid (PFTrDA)	4.51	0.200	"	4.00		113	50-150				
Perfluorotetradecanoic acid (PFTA)	3.42	0.200	"	4.00		85.4	50-150				
N-MeFOSAA	3.95	0.200	"	4.00		98.7	50-150				
N-EtFOSAA	3.75	0.200	"	4.00		93.8	50-150				
Perfluoropentanoic acid (PFPeA)	7.47	0.400	"	8.00		93.3	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	3.46	0.200	"	4.00		86.4	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.26	0.200	"	3.82		85.3	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	2.44	0.193	"	3.86		63.1	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	12.3	0.760	"	15.2		81.0	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	14.2	0.768	"	15.4		92.5	50-150				
Perfluoro-n-butanoic acid (PFBA)	15.8	0.800	"	16.0		98.9	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	8.46	0.356	"	7.12		119	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	4.46	0.400	"	8.00		55.7	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	7.39	0.400	"	8.00		92.4	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	7.10	0.400	"	8.00		88.7	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

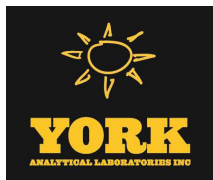
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40200 - EPA 1633 Prep

LCS (BH40200-BS1)

Prepared: 08/04/2024 Analyzed: 08/06/2024

Perfluoro-1-pentanesulfonate (PFPeS)	3.97	0.188	ug/kg wet	3.76		106	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	12.6	0.750	"	15.0		84.2	50-150				
HFPO-DA (Gen-X)	6.93	0.800	"	8.00		86.6	50-150				
11CL-PF3OUdS	3.94	0.756	"	7.56		52.1	50-150				
9CL-PF3ONS	4.84	0.748	"	7.48		64.7	50-150				
ADONA	5.55	0.756	"	7.56		73.4	50-150				
Perfluorododecanesulfonic acid (PFDoS)	2.12	0.194	"	3.88		54.6	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	2.82	0.192	"	3.84		73.4	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	16.0	1.00	"	16.0		100	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	71.2	5.00	"	80.0		89.0	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	51.8	5.00	"	80.0		64.8	50-150				
N-MeFOSE	34.3	2.00	"	40.0		85.6	50-150				
N-MeFOSA	4.74	0.200	"	4.00		119	50-150				
N-EtFOSE	38.3	2.00	"	40.0		95.9	50-150				
N-EtFOSA	4.27	0.200	"	4.00		107	50-150				
Surrogate: M3PFBS	3.08		"	2.33		132	25-150				
Surrogate: M5PFHxA	2.86		"	2.50		114	25-150				
Surrogate: M4PFHpA	2.31		"	2.50		92.3	25-150				
Surrogate: M3PFHxS	2.84		"	2.37		120	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.66		"	2.50		107	25-150				
Surrogate: M6PFDA	1.13		"	1.25		90.3	25-150				
Surrogate: M7PFUdA	1.17		"	1.25		93.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.769		"	1.25		61.5	25-150				
Surrogate: M2PFTeDA	0.575		"	1.25		46.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.6		"	10.0		116	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.48		"	2.40		103	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.64		"	5.00		113	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.93		"	2.50		77.1	10-150				
Surrogate: d3-N-MeFOSAA	2.93		"	5.00		58.7	25-150				
Surrogate: d5-N-EtFOSAA	3.49		"	5.00		69.9	25-150				
Surrogate: M2-6:2 FTS	10.1		"	4.76		212	25-200				
Surrogate: M2-8:2 FTS	7.77		"	4.80		162	25-200				
Surrogate: M9PFNA	1.26		"	1.25		101	25-150				
Surrogate: M2-4:2 FTS	16.7		"	4.69		356	25-150				
Surrogate: d-N-MeFOSA	1.07		"	2.50		42.8	25-150				
Surrogate: d-N-EtFOSA	0.584		"	2.50		23.4	25-150				
Surrogate: M3HFPO-DA	13.6		"	10.0		136	25-150				
Surrogate: d9-N-EtFOSE	14.2		"	25.0		56.8	25-150				
Surrogate: d7-N-MeFOSE	22.9		"	25.0		91.4	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

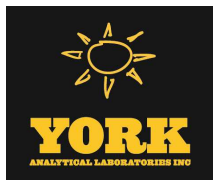
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40200 - EPA 1633 Prep

LCS (BH40200-BS2)

Prepared: 08/04/2024 Analyzed: 08/06/2024

Perfluorobutanesulfonic acid (PFBS)	0.684	0.175	ug/kg wet	0.698		98.0	50-150				
Perfluorohexanoic acid (PFHxA)	0.625	0.197	"	0.789		79.2	50-150				
Perfluoroheptanoic acid (PFHpA)	0.959	0.197	"	0.789		122	50-150				
Perfluorohexanesulfonic acid (PFHxS)	0.777	0.180	"	0.722		108	50-150				
Perfluorooctanoic acid (PFOA)	0.586	0.197	"	0.789		74.3	50-150				
Perfluorooctanesulfonic acid (PFOS)	0.721	0.183	"	0.734		98.3	50-150				
Perfluorononanoic acid (PFNA)	0.597	0.197	"	0.789		75.7	50-150				
Perfluorodecanoic acid (PFDA)	0.833	0.197	"	0.789		106	50-150				
Perfluoroundecanoic acid (PFUnA)	0.792	0.197	"	0.789		100	50-150				
Perfluorododecanoic acid (PFDoA)	0.710	0.197	"	0.789		90.0	50-150				
Perfluorotridecanoic acid (PFTriDA)	0.869	0.197	"	0.789		110	50-150				
Perfluorotetradecanoic acid (PFTA)	0.681	0.197	"	0.789		86.3	50-150				
N-MeFOSAA	0.735	0.197	"	0.789		93.1	50-150				
N-EtFOSAA	0.835	0.197	"	0.789		106	50-150				
Perfluoropentanoic acid (PFPeA)	1.52	0.394	"	1.58		96.6	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	0.753	0.197	"	0.789		95.4	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.677	0.197	"	0.753		89.8	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	0.340	0.190	"	0.761		44.6	50-150	Low Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	2.54	0.750	"	3.00		84.9	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	3.21	0.757	"	3.03		106	50-150				
Perfluoro-n-butanoic acid (PFBA)	3.12	0.789	"	3.16		99.0	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	1.62	0.351	"	1.40		116	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	1.37	0.394	"	1.58		87.0	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	1.45	0.394	"	1.58		91.9	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	1.44	0.394	"	1.58		91.0	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	0.874	0.185	"	0.742		118	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	2.71	0.740	"	2.96		91.7	50-150				
HFPO-DA (Gen-X)	1.32	0.789	"	1.58		83.9	50-150				
11CL-PF3OUdS	0.698	0.746	"	1.49		46.8	50-150	Low Bias			
9CL-PF3ONS	0.993	0.738	"	1.48		67.3	50-150				
ADONA	1.25	0.746	"	1.49		83.5	50-150				
Perfluorododecanesulfonic acid (PFDoS)	0.348	0.191	"	0.765		45.4	50-150	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	0.547	0.189	"	0.757		72.2	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	3.01	0.986	"	3.16		95.4	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	13.3	4.93	"	15.8		84.6	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	10.6	4.93	"	15.8		67.0	50-150				
N-MeFOSE	5.92	1.97	"	7.89		75.0	50-150				
N-MeFOSA	0.901	0.197	"	0.789		114	50-150				
N-EtFOSE	9.22	1.97	"	7.89		117	50-150				
N-EtFOSA	1.61	0.197	"	0.789		204	50-150	High Bias			
Surrogate: M3PFBS	2.92		"	2.30		127	25-150				
Surrogate: M5PFHxA	2.90		"	2.47		118	25-150				
Surrogate: M4PFHpA	2.15		"	2.47		87.0	25-150				
Surrogate: M3PFHxS	2.51		"	2.34		108	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.00		"	2.47		122	25-150				
Surrogate: M6PFDA	1.14		"	1.23		92.5	25-150				
Surrogate: M7PFUdA	1.16		"	1.23		93.9	25-150				



PFAS Target compounds by LC/MS-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 BH40200 - EPA 1633 Prep

LCS (BH40200-BS2)

Prepared: 08/04/2024 Analyzed: 08/06/2024

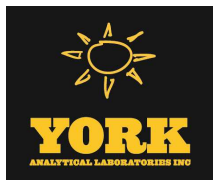
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.708		ug/kg wet	1.23		57.4	25-150				
Surrogate: M2PFTeDA	0.504		"	1.23		40.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	11.7		"	9.86		119	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.58		"	2.36		109	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.61		"	4.93		114	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.26		"	2.47		91.8	10-150				
Surrogate: d3-N-MeFOSAA	3.33		"	4.93		67.5	25-150				
Surrogate: d5-N-EtFOSAA	3.63		"	4.93		73.6	25-150				
Surrogate: M2-6:2 FTS	9.29		"	4.69		198	25-200				
Surrogate: M2-8:2 FTS	6.71		"	4.73		142	25-200				
Surrogate: M9PFNA	1.44		"	1.23		117	25-150				
Surrogate: M2-4:2 FTS	15.0		"	4.63		325	25-150				
Surrogate: d-N-MeFOSA	1.17		"	2.47		47.3	25-150				
Surrogate: d-N-EtFOSA	0.451		"	2.47		18.3	25-150				
Surrogate: M3HFPO-DA	12.5		"	9.86		126	25-150				
Surrogate: d9-N-EtFOSE	13.4		"	24.7		54.4	25-150				
Surrogate: d7-N-MeFOSE	20.6		"	24.7		83.7	25-150				

Batch BH40229 - EPA 1633 Prep

Blank (BH40229-BLK1)

Prepared & Analyzed: 08/05/2024

Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L
Perfluorohexanoic acid (PFHxA)	ND	4.00	"
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"
Perfluorooctanoic acid (PFOA)	ND	4.00	"
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"
Perfluorononanoic acid (PFNA)	ND	4.00	"
Perfluorodecanoic acid (PFDA)	ND	4.00	"
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"
Perfluorododecanoic acid (PFDoA)	ND	4.00	"
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"
N-MeFOSAA	ND	4.00	"
N-EtFOSAA	ND	4.00	"
Perfluoropentanoic acid (PFPeA)	ND	8.00	"
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	15.2	"
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	15.4	"
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	8.00	"
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

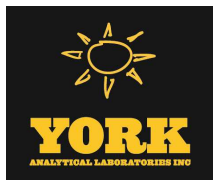
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40229 - EPA 1633 Prep

Blank (BH40229-BLK1)

Prepared & Analyzed: 08/05/2024

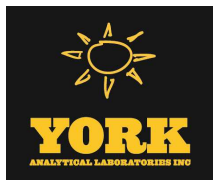
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	ng/L								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	60.3		"	46.6		129	25-150				
Surrogate: M5PFHxA	56.2		"	50.0		112	25-150				
Surrogate: M4PFHpA	50.3		"	50.0		101	25-150				
Surrogate: M3PFHxS	58.1		"	47.4		123	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	61.3		"	50.0		123	25-150				
Surrogate: M6PFDA	28.6		"	25.0		115	25-150				
Surrogate: M7PFUdA	28.6		"	25.0		114	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	24.3		"	25.0		97.3	25-150				
Surrogate: M2PFTeDA	16.3		"	25.0		65.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	85.2		"	200		42.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	66.3		"	47.9		139	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	99.3		"	100		99.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	47.8		"	50.0		95.5	10-150				
Surrogate: d3-N-MeFOSAA	108		"	100		108	25-150				
Surrogate: d5-N-EtFOSAA	118		"	100		118	25-150				
Surrogate: M2-6:2 FTS	181		"	95.1		191	25-200				
Surrogate: M2-8:2 FTS	152		"	96.0		158	25-200				
Surrogate: M9PFNA	27.8		"	25.0		111	25-150				
Surrogate: M2-4:2 FTS	254		"	93.8		271	25-150				
Surrogate: d-N-MeFOSA	30.6		"	50.0		61.2	25-150				
Surrogate: d-N-EtFOSA	16.6		"	50.0		33.2	25-150				
Surrogate: M3HFPO-DA	281		"	200		140	25-150				
Surrogate: d9-N-EtFOSE	258		"	500		51.6	25-150				
Surrogate: d7-N-MeFOSE	401		"	500		80.1	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH40229 - EPA 1633 Prep											
LCS (BH40229-BS1)						Prepared & Analyzed: 08/05/2024					
Perfluorobutanesulfonic acid (PFBS)	63.9	3.54	ng/L	70.8		90.3	50-150				
Perfluorohexanoic acid (PFHxA)	67.4	4.00	"	80.0		84.3	50-150				
Perfluoroheptanoic acid (PFHpA)	95.7	4.00	"	80.0		120	50-150				
Perfluorohexanesulfonic acid (PFHxS)	69.4	3.66	"	73.2		94.9	50-150				
Perfluorooctanoic acid (PFOA)	64.6	4.00	"	80.0		80.8	50-150				
Perfluorooctanesulfonic acid (PFOS)	63.7	3.72	"	74.4		85.6	50-150				
Perfluorononanoic acid (PFNA)	69.3	4.00	"	80.0		86.7	50-150				
Perfluorodecanoic acid (PFDA)	71.4	4.00	"	80.0		89.2	50-150				
Perfluoroundecanoic acid (PFUnA)	78.5	4.00	"	80.0		98.2	50-150				
Perfluorododecanoic acid (PFDoA)	70.8	4.00	"	80.0		88.5	50-150				
Perfluorotridecanoic acid (PFTriDA)	103	4.00	"	80.0		129	50-150				
Perfluorotetradecanoic acid (PFTA)	61.1	4.00	"	80.0		76.4	50-150				
N-MeFOSAA	67.7	4.00	"	80.0		84.6	50-150				
N-EtFOSAA	67.1	4.00	"	80.0		83.9	50-150				
Perfluoropentanoic acid (PFPeA)	141	8.00	"	160		88.1	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	66.4	4.00	"	80.0		83.0	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	56.5	3.82	"	76.4		74.0	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	61.4	3.86	"	77.2		79.5	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	242	15.2	"	304		79.8	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	308	15.4	"	307		100	50-150				
Perfluoro-n-butanoic acid (PFBA)	290	16.0	"	320		90.7	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	167	7.12	"	142		117	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	68.3	8.00	"	160		42.7	50-150	Low Bias			
Perfluoro-4-oxapentanoic acid (PFMPA)	80.0	8.00	"	160		50.0	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	137	8.00	"	160		85.9	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	75.5	3.76	"	75.2		100	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	248	15.0	"	300		82.7	50-150				
HFPO-DA (Gen-X)	125	16.0	"	160		77.8	50-150				
11CL-PF3OUdS	143	15.1	"	151		94.5	50-150				
9CL-PF3ONS	146	15.0	"	150		97.8	50-150				
ADONA	120	15.1	"	151		79.4	50-150				
Perfluorododecanesulfonic acid (PFDoS)	47.4	3.88	"	77.6		61.1	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	63.7	3.84	"	76.8		83.0	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	335	10.0	"	320		105	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	1670	50.0	"	1600		104	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	1360	50.0	"	1600		85.3	50-150				
N-MeFOSE	754	40.0	"	800		94.3	50-150				
N-MeFOSA	80.7	4.00	"	80.0		101	50-150				
N-EtFOSE	770	40.0	"	800		96.2	50-150				
N-EtFOSA	123	4.00	"	80.0		154	50-150	High Bias			
Surrogate: M3PFBS	61.3		"	46.6		132	25-150				
Surrogate: M5PFHxA	57.3		"	50.0		115	25-150				
Surrogate: M4PFHpA	44.9		"	50.0		89.8	25-150				
Surrogate: M3PFHxS	55.4		"	47.4		117	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	61.0		"	50.0		122	25-150				
Surrogate: M6PFDA	28.9		"	25.0		115	25-150				
Surrogate: M7PFUdA	26.2		"	25.0		105	25-150				



PFAS Target compounds by LC/MS-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 BH40229 - EPA 1633 Prep

LCS (BH40229-BS1)

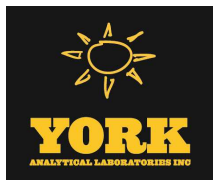
Prepared & Analyzed: 08/05/2024

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	25.2		ng/L	25.0		101	25-150				
Surrogate: M2PFTeDA	16.2		"	25.0		64.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	64.4		"	200		32.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	62.8		"	47.9		131	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	107		"	100		107	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	43.0		"	50.0		86.0	10-150				
Surrogate: d3-N-MeFOSAA	91.5		"	100		91.5	25-150				
Surrogate: d5-N-EtFOSAA	95.4		"	100		95.4	25-150				
Surrogate: M2-6:2 FTS	193		"	95.1		203	25-200				
Surrogate: M2-8:2 FTS	156		"	96.0		163	25-200				
Surrogate: M9PFNA	29.7		"	25.0		119	25-150				
Surrogate: M2-4:2 FTS	279		"	93.8		298	25-150				
Surrogate: d-N-MeFOSA	32.0		"	50.0		64.1	25-150				
Surrogate: d-N-EtFOSA	14.8		"	50.0		29.6	25-150				
Surrogate: M3HFPO-DA	244		"	200		122	25-150				
Surrogate: d9-N-EtFOSE	323		"	500		64.7	25-150				
Surrogate: d7-N-MeFOSE	446		"	500		89.2	25-150				

LCS (BH40229-BS2)

Prepared: 08/05/2024 Analyzed: 08/06/2024

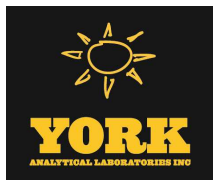
Perfluorobutanesulfonic acid (PFBS)	13.6	3.54	ng/L	14.2		96.4	50-150				
Perfluorohexanoic acid (PFHxA)	12.2	4.00	"	16.0		76.0	50-150				
Perfluoroheptanoic acid (PFHpA)	17.4	4.00	"	16.0		108	50-150				
Perfluorohexanesulfonic acid (PFHxS)	15.0	3.66	"	14.6		102	50-150				
Perfluorooctanoic acid (PFOA)	12.9	4.00	"	16.0		80.5	50-150				
Perfluorooctanesulfonic acid (PFOS)	14.4	3.72	"	14.9		96.8	50-150				
Perfluorononanoic acid (PFNA)	14.6	4.00	"	16.0		91.4	50-150				
Perfluorodecanoic acid (PFDA)	15.0	4.00	"	16.0		93.9	50-150				
Perfluoroundecanoic acid (PFUnA)	14.4	4.00	"	16.0		90.1	50-150				
Perfluorododecanoic acid (PFDoA)	15.4	4.00	"	16.0		96.5	50-150				
Perfluorotridecanoic acid (PFTriDA)	17.6	4.00	"	16.0		110	50-150				
Perfluorotetradecanoic acid (PFTA)	12.6	4.00	"	16.0		78.9	50-150				
N-MeFOSAA	16.4	4.00	"	16.0		102	50-150				
N-EtFOSAA	14.1	4.00	"	16.0		88.1	50-150				
Perfluoropentanoic acid (PFPeA)	29.0	8.00	"	32.0		90.6	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	13.9	4.00	"	16.0		87.1	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	13.0	3.82	"	15.3		84.8	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	12.5	3.86	"	15.4		80.8	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	54.3	15.2	"	60.8		89.3	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	56.4	15.4	"	61.4		91.8	50-150				
Perfluoro-n-butanoic acid (PFBA)	58.3	16.0	"	64.0		91.1	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	27.1	7.12	"	28.5		95.2	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	17.7	8.00	"	32.0		55.4	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	11.8	8.00	"	32.0		36.8	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	28.6	8.00	"	32.0		89.4	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	15.3	3.76	"	15.0		102	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH40229 - EPA 1633 Prep											
LCS (BH40229-BS2)						Prepared: 08/05/2024 Analyzed: 08/06/2024					
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	54.4	15.0	ng/L	60.0		90.7	50-150				
HFPO-DA (Gen-X)	17.6	16.0	"	32.0		54.9	50-150				
11CL-PF3OUdS	22.3	15.1	"	30.2		73.6	50-150				
9CL-PF3ONS	22.7	15.0	"	29.9		76.0	50-150				
ADONA	21.1	15.1	"	30.2		69.9	50-150				
Perfluorododecanesulfonic acid (PFDoS)	11.6	3.88	"	15.5		74.5	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	16.1	3.84	"	15.4		105	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	38.6	10.0	"	64.0		60.2	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	271	50.0	"	320		84.8	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	216	50.0	"	320		67.5	50-150				
N-MeFOSE	170	40.0	"	160		106	50-150				
N-MeFOSA	17.8	4.00	"	16.0		111	50-150				
N-EtFOSE	216	40.0	"	160		135	50-150				
N-EtFOSA	32.1	4.00	"	16.0		201	50-150	High Bias			
Surrogate: M3PFBS	58.3		"	46.6		125	25-150				
Surrogate: M5PFHxA	58.8		"	50.0		118	25-150				
Surrogate: M4PFHpA	51.0		"	50.0		102	25-150				
Surrogate: M3PFHxS	56.7		"	47.4		120	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	55.7		"	50.0		111	25-150				
Surrogate: M6PFDA	27.2		"	25.0		109	25-150				
Surrogate: M7PFUdA	36.3		"	25.0		145	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	28.8		"	25.0		115	25-150				
Surrogate: M2PFTeDA	21.0		"	25.0		83.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	44.3		"	200		22.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	57.7		"	47.9		121	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	92.2		"	100		92.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	51.5		"	50.0		103	10-150				
Surrogate: d3-N-MeFOSAA	97.3		"	100		97.3	25-150				
Surrogate: d5-N-EtFOSAA	116		"	100		116	25-150				
Surrogate: M2-6:2 FTS	177		"	95.1		186	25-200				
Surrogate: M2-8:2 FTS	157		"	96.0		163	25-200				
Surrogate: M9PFNA	27.1		"	25.0		108	25-150				
Surrogate: M2-4:2 FTS	272		"	93.8		289	25-150				
Surrogate: d-N-MeFOSA	42.6		"	50.0		85.1	25-150				
Surrogate: d-N-EtFOSA	19.8		"	50.0		39.6	25-150				
Surrogate: M3HFPO-DA	275		"	200		137	25-150				
Surrogate: d9-N-EtFOSE	509		"	500		102	25-150				
Surrogate: d7-N-MeFOSE	540		"	500		108	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

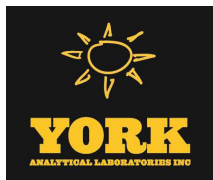
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40265 - EPA 1633 Prep

Blank (BH40265-BLK1)

Prepared: 08/05/2024 Analyzed: 08/06/2024

Perfluorobutanesulfonic acid (PFBS)	ND	0.175	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.198	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.198	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.181	"								
Perfluorooctanoic acid (PFOA)	ND	0.198	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.184	"								
Perfluorononanoic acid (PFNA)	ND	0.198	"								
Perfluorodecanoic acid (PFDA)	ND	0.198	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.198	"								
Perfluorododecanoic acid (PFDoA)	ND	0.198	"								
Perfluorotridecanoic acid (PFTriDA)	ND	0.198	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.198	"								
N-MeFOSAA	ND	0.198	"								
N-EtFOSAA	ND	0.198	"								
Perfluoropentanoic acid (PFPeA)	ND	0.395	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.198	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.198	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.191	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	0.751	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	0.759	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.791	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	0.352	"								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	0.395	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.395	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.395	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.186	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	0.741	"								
HFPO-DA (Gen-X)	ND	0.791	"								
11CL-PF3OUdS	ND	0.747	"								
9CL-PF3ONS	ND	0.739	"								
ADONA	ND	0.747	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	0.192	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.190	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	0.988	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	4.94	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	4.94	"								
N-MeFOSE	ND	1.98	"								
N-MeFOSA	ND	0.198	"								
N-EtFOSE	ND	1.98	"								
N-EtFOSA	ND	0.198	"								
Surrogate: M3PFBS	2.90		"	2.30		126	25-150				
Surrogate: M5PFHxA	2.80		"	2.47		113	25-150				
Surrogate: M4PFHpA	2.60		"	2.47		105	25-150				
Surrogate: M3PFHxS	2.63		"	2.34		112	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.81		"	2.47		114	25-150				
Surrogate: M6PFDA	1.32		"	1.24		107	25-150				
Surrogate: M7PFUdA	1.45		"	1.24		117	25-150				



PFAS Target compounds by LC/MS-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 BH40265 - EPA 1633 Prep

Blank (BH40265-BLK1)

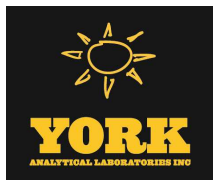
Prepared: 08/05/2024 Analyzed: 08/06/2024

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.21		ug/kg wet	1.24		97.7	25-150				
Surrogate: M2PFTeDA	0.941		"	1.24		76.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.534		"	9.88		5.40	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.70		"	2.37		114	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.24		"	4.94		106	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.39		"	2.47		96.7	10-150				
Surrogate: d3-N-MeFOSAA	4.41		"	4.94		89.4	25-150				
Surrogate: d5-N-EtFOSAA	5.03		"	4.94		102	25-150				
Surrogate: M2-6:2 FTS	7.90		"	4.70		168	25-200				
Surrogate: M2-8:2 FTS	6.24		"	4.74		132	25-200				
Surrogate: M9PFNA	1.38		"	1.24		112	25-150				
Surrogate: M2-4:2 FTS	11.5		"	4.63		248	25-150				
Surrogate: d-N-MeFOSA	1.66		"	2.47		67.3	25-150				
Surrogate: d-N-EtFOSA	1.03		"	2.47		41.6	25-150				
Surrogate: M3HFPO-DA	14.2		"	9.88		144	25-150				
Surrogate: d9-N-EtFOSE	26.8		"	24.7		108	25-150				
Surrogate: d7-N-MeFOSE	26.0		"	24.7		105	25-150				

LCS (BH40265-BS1)

Prepared: 08/05/2024 Analyzed: 08/06/2024

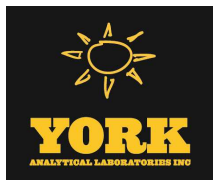
Perfluorobutanesulfonic acid (PFBS)	3.52	0.175	ug/kg wet	3.49		101	50-150				
Perfluorohexanoic acid (PFHxA)	3.56	0.197	"	3.94		90.4	50-150				
Perfluoroheptanoic acid (PFHpA)	4.48	0.197	"	3.94		114	50-150				
Perfluorohexanesulfonic acid (PFHxS)	3.68	0.180	"	3.61		102	50-150				
Perfluorooctanoic acid (PFOA)	3.34	0.197	"	3.94		84.7	50-150				
Perfluorooctanesulfonic acid (PFOS)	3.42	0.183	"	3.67		93.3	50-150				
Perfluorononanoic acid (PFNA)	3.84	0.197	"	3.94		97.2	50-150				
Perfluorodecanoic acid (PFDA)	4.25	0.197	"	3.94		108	50-150				
Perfluoroundecanoic acid (PFUnA)	4.25	0.197	"	3.94		108	50-150				
Perfluorododecanoic acid (PFDoA)	4.08	0.197	"	3.94		104	50-150				
Perfluorotridecanoic acid (PFTriDA)	4.28	0.197	"	3.94		109	50-150				
Perfluorotetradecanoic acid (PFTA)	3.31	0.197	"	3.94		83.9	50-150				
N-MeFOSAA	3.89	0.197	"	3.94		98.7	50-150				
N-EtFOSAA	3.81	0.197	"	3.94		96.7	50-150				
Perfluoropentanoic acid (PFPeA)	7.67	0.394	"	7.89		97.2	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	3.86	0.197	"	3.94		97.8	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.30	0.197	"	3.77		87.6	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.05	0.190	"	3.81		80.0	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	13.7	0.750	"	15.0		91.2	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	15.7	0.757	"	15.1		104	50-150				
Perfluoro-n-butanoic acid (PFBA)	15.6	0.789	"	15.8		98.7	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.00	0.351	"	7.02		114	50-150				
Perfluoro-3,6-dioxahheptanoic acid (NFDHA)	5.42	0.394	"	7.89		68.7	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	2.18	0.394	"	7.89		27.6	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	7.77	0.394	"	7.89		98.5	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	3.94	0.185	"	3.71		106	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH40265 - EPA 1633 Prep											
LCS (BH40265-BS1)						Prepared: 08/05/2024 Analyzed: 08/06/2024					
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	13.8	0.740	ug/kg wet	14.8		93.1	50-150				
HFPO-DA (Gen-X)	7.45	0.789	"	7.89		94.5	50-150				
11CL-PF3OUdS	6.42	0.746	"	7.46		86.1	50-150				
9CL-PF3ONS	6.88	0.738	"	7.38		93.2	50-150				
ADONA	6.28	0.746	"	7.46		84.2	50-150				
Perfluorododecanesulfonic acid (PFDoS)	2.55	0.191	"	3.83		66.7	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	3.31	0.189	"	3.79		87.5	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	13.9	0.986	"	15.8		87.8	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	73.9	4.93	"	78.9		93.7	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	60.9	4.93	"	78.9		77.2	50-150				
N-MeFOSE	42.9	1.97	"	39.4		109	50-150				
N-MeFOSA	3.64	0.197	"	3.94		92.2	50-150				
N-EtFOSE	37.0	1.97	"	39.4		93.7	50-150				
N-EtFOSA	7.15	0.197	"	3.94		181	50-150	High Bias			
Surrogate: M3PFBS	2.75		"	2.30		119	25-150				
Surrogate: M5PFHxA	2.74		"	2.47		111	25-150				
Surrogate: M4PFHpA	2.44		"	2.47		99.2	25-150				
Surrogate: M3PFHxS	2.72		"	2.34		116	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.05		"	2.47		124	25-150				
Surrogate: M6PFDA	1.23		"	1.23		100	25-150				
Surrogate: M7PFUdA	1.34		"	1.23		108	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.20		"	1.23		97.6	25-150				
Surrogate: M2PFTeDA	0.962		"	1.23		78.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	0.744		"	9.86		7.55	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.10		"	2.36		131	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.99		"	4.93		101	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.58		"	2.47		105	10-150				
Surrogate: d3-N-MeFOSAA	4.68		"	4.93		94.8	25-150				
Surrogate: d5-N-EtFOSAA	5.35		"	4.93		109	25-150				
Surrogate: M2-6:2 FTS	8.28		"	4.69		177	25-200				
Surrogate: M2-8:2 FTS	6.90		"	4.73		146	25-200				
Surrogate: M9PFNA	1.45		"	1.23		117	25-150				
Surrogate: M2-4:2 FTS	11.9		"	4.63		257	25-150				
Surrogate: d-N-MeFOSA	2.16		"	2.47		87.5	25-150				
Surrogate: d-N-EtFOSA	1.00		"	2.47		40.7	25-150				
Surrogate: M3HFPO-DA	12.0		"	9.86		122	25-150				
Surrogate: d9-N-EtFOSE	29.8		"	24.7		121	25-150				
Surrogate: d7-N-MeFOSE	26.9		"	24.7		109	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

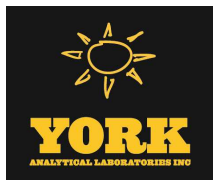
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40265 - EPA 1633 Prep

LCS (BH40265-BS2)

Prepared: 08/05/2024 Analyzed: 08/06/2024

Perfluorobutanesulfonic acid (PFBS)	0.647	0.177	ug/kg wet	0.708		91.3	50-150				
Perfluorohexanoic acid (PFHxA)	0.682	0.200	"	0.800		85.3	50-150				
Perfluoroheptanoic acid (PFHpA)	0.889	0.200	"	0.800		111	50-150				
Perfluorohexanesulfonic acid (PFHxS)	0.738	0.183	"	0.732		101	50-150				
Perfluorooctanoic acid (PFOA)	0.686	0.200	"	0.800		85.8	50-150				
Perfluorooctanesulfonic acid (PFOS)	0.723	0.186	"	0.744		97.2	50-150				
Perfluorononanoic acid (PFNA)	0.826	0.200	"	0.800		103	50-150				
Perfluorodecanoic acid (PFDA)	0.690	0.200	"	0.800		86.2	50-150				
Perfluoroundecanoic acid (PFUnA)	0.768	0.200	"	0.800		96.0	50-150				
Perfluorododecanoic acid (PFDoA)	0.779	0.200	"	0.800		97.3	50-150				
Perfluorotridecanoic acid (PFTriDA)	0.860	0.200	"	0.800		108	50-150				
Perfluorotetradecanoic acid (PFTA)	0.630	0.200	"	0.800		78.8	50-150				
N-MeFOSAA	0.791	0.200	"	0.800		98.9	50-150				
N-EtFOSAA	0.745	0.200	"	0.800		93.1	50-150				
Perfluoropentanoic acid (PFPeA)	1.54	0.400	"	1.60		96.6	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	0.806	0.200	"	0.800		101	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.711	0.200	"	0.764		93.1	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	0.525	0.193	"	0.772		68.0	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	2.82	0.760	"	3.04		92.6	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	3.05	0.768	"	3.07		99.2	50-150				
Perfluoro-n-butanoic acid (PFBA)	3.31	0.800	"	3.20		103	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	1.52	0.356	"	1.42		107	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	0.912	0.400	"	1.60		57.0	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	0.891	0.400	"	1.60		55.7	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	1.42	0.400	"	1.60		88.7	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	0.778	0.188	"	0.752		104	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	2.77	0.750	"	3.00		92.4	50-150				
HFPO-DA (Gen-X)	0.949	0.800	"	1.60		59.3	50-150				
11CL-PF3OUdS	1.10	0.756	"	1.51		72.6	50-150				
9CL-PF3ONS	1.26	0.748	"	1.50		83.9	50-150				
ADONA	1.15	0.756	"	1.51		76.3	50-150				
Perfluorododecanesulfonic acid (PFDoS)	0.347	0.194	"	0.776		44.7	50-150	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	0.690	0.192	"	0.768		89.9	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	2.53	1.00	"	3.20		79.1	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	14.7	5.00	"	16.0		91.7	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	11.9	5.00	"	16.0		74.5	50-150				
N-MeFOSE	9.05	2.00	"	8.00		113	50-150				
N-MeFOSA	0.751	0.200	"	0.800		93.8	50-150				
N-EtFOSE	8.84	2.00	"	8.00		110	50-150				
N-EtFOSA	1.30	0.200	"	0.800		163	50-150	High Bias			
Surrogate: M3PFBS	2.74		"	2.33		118	25-150				
Surrogate: M5PFHxA	2.83		"	2.50		113	25-150				
Surrogate: M4PFHpA	2.44		"	2.50		97.7	25-150				
Surrogate: M3PFHxS	2.58		"	2.37		109	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.78		"	2.50		111	25-150				
Surrogate: M6PFDA	1.44		"	1.25		115	25-150				
Surrogate: M7PFUdA	1.60		"	1.25		128	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

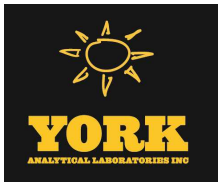
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH40265 - EPA 1633 Prep

LCS (BH40265-BS2)

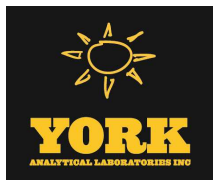
Prepared: 08/05/2024 Analyzed: 08/06/2024

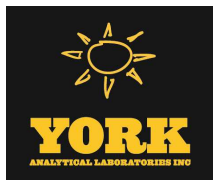
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.23		ug/kg wet	1.25		98.8	25-150				
Surrogate: M2PFTeDA	0.963		"	1.25		77.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.12		"	10.0		31.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.79		"	2.40		117	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.42		"	5.00		108	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.48		"	2.50		99.3	10-150				
Surrogate: d3-N-MeFOSAA	4.81		"	5.00		96.3	25-150				
Surrogate: d5-N-EtFOSAA	5.65		"	5.00		113	25-150				
Surrogate: M2-6:2 FTS	7.59		"	4.76		160	25-200				
Surrogate: M2-8:2 FTS	6.24		"	4.80		130	25-200				
Surrogate: M9PFNA	1.43		"	1.25		114	25-150				
Surrogate: M2-4:2 FTS	11.1		"	4.69		236	25-150				
Surrogate: d-N-MeFOSA	2.05		"	2.50		82.0	25-150				
Surrogate: d-N-EtFOSA	1.01		"	2.50		40.4	25-150				
Surrogate: M3HFPO-DA	13.2		"	10.0		132	25-150				
Surrogate: d9-N-EtFOSE	22.5		"	25.0		90.1	25-150				
Surrogate: d7-N-MeFOSE	23.7		"	25.0		94.9	25-150				



Miscellaneous Physical Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG41933 - % Solids Prep											
Duplicate (BG41933-DUP1)		*Source sample: 24G1827-09 (SB-22 5-6 20240726)						Prepared: 07/30/2024 Analyzed: 07/31/2024			
% Solids	79.5	0.100	%		82.3				3.43	20	





Sample and Data Qualifiers Relating to This Work Order

PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-LCS-L	The LCS recovery for this PFAS compound was below control limits.
PF-CCV-L	The CCV recovery for this PFAS compound was below control limits.
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

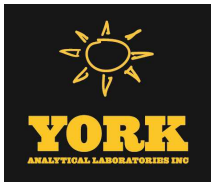
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration 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 Project Number
24G1823
1184

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

Report To:	Company: PVE ENGINEERING	Invoice To:	YOUR Project Name / Number
Address: 48 SPRINGSIDE AVE. ROUGHKEEPSIE, NY 12603	Address:	CT	CT
Phone: 845-454-2544	Phone:	PA	PA
Contact: A. SPANVERCHIA	Contact: TARA ALVARADO	Other: (please specify)	
E-mail: ASPANVERCHIA@PVE-LLC.COM TALVARADO@PVE-LLC.COM	E-mail:		

Matrix Codes	Preservative	Analyses Requested	Turn-Around Time
S - soil/solid/sludge	(please list number of containers)		RUSH - Next Day
GW - groundwater			RUSH - Two Day
DW - drinking water			RUSH - Three Day
SW - surface water			RUSH - Four Day
WW - wastewater			RUSH - Five Day
O - Oil			Standard (6-9 Day)
Other:			PFAS Standard 7-10 Day

Sample Identification	Date	Time	Matrix	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.)	Trizma	Ammonium Acetate	Other:
SB-15 2-4 20240726	7-26-24	0910	S										
FB-1 20240726		0900	W										
SB-16 0-2 20240726		0930	S										
SB-17 2-4 20240726		1030	S										
SB-18 2-4 20240726		1110	S										
SB-19 8-11 20240726		1140	S										
SB-20 7-8 20240726		1245	S										
SB-21 3.5-5 20240726		1330	S										
SB-22 5-6 20240726		1400	S										

Samples Collected by: (print AND sign your name)		Report Type (circle)
ANTHONY J. SPANVERCHIA		QA Report
[Signature]		Summary (Results Only)
		NY ASP B Package
		NJ Reduced
		NJ DKQP
		NJ Full
		CT RCP
		Grab or Comp.
		G/C
		EDD Type (circle)
		EQulS (standard)
		INYSDEC EQulS
		NUDEP SRP Haz Site
		Standard Excel
		CMDP
		Other:
		Regulatory Comparative
		Compared to the following Regulation(s): (please fill in)
		Field Filtered
		Lab Filtered

Comments:		Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N	
		Custody Seals: Y (N) Containers intact Y (N) Preservation Confirmed Y (N)	
		COC Complete: Y (N) COC Labels Agree Y (N) Appropriate Sample Volumes 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		2. Samples Relinquished by / Company	
Date/Time: 7-29-24/1120		Date/Time: 7-29-24 14:20	
3. Samples Received by / Company		3. Samples Received by / Company	
Date/Time: 7-29-24/1120		Date/Time: 7-29-24 14:20	
4. Samples Relinquished by / Company		4. Samples Received in LAB by	
Date/Time: 7-29-24/1120		Date/Time: 7-29-24 14:20	
		Temperature: 3.00 Degrees C	