845.454.2544
PVE-LLC.com

December 1, 2022

Clark Patterson Lee
ATTN: Timothy Moot
Via Email: TMoot@CPLteam.com

Re: **PFAS Soil Investigation**; Hudson Valley Regional Airport, 263 New Hackensack Road, Wappingers Falls, Dutchess County, New York 12590
Tax Parcel ID #135689-6259-03-225301-0000
PVE File #20220641

Dear Mr. Moot:

Partridge Venture Engineering, PC, dba PVE Engineering (PVE) has completed the Per- and Polyfluoroalkyl Substances (PFAS) Soil Investigation in accordance with our approved scope of work, dated September 6, 2022; revised October 5, 2022, for the above referenced property (Figures 1 & 2). Our objective was to evaluate the presence of PFAS in soil at the subject property from past site operations in advance of design and construction of a new hangar building. Below is a summary of field activities, analytical data and recommendations.

1.0 FIELD ACTIVITIES

Prior to initiation of field activities, the Client requested that several of the proposed locations be eliminated from the proposed scope of work.

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 obstruct drilling activities. Field activities were completed on November 8, 2022; sample locations were adjusted accordingly.

1.2 Soil Borings and Sample Collection

PVE completed a total of thirty-one (31) soil borings between the dates of November 14-16, 2022 (Figure 3). Ssoil borings were installed 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 using a direct-push drilling method to a maximum depth of 8-feet below ground surface (bgs); twenty (20) soil borings to 4-feet and the remaining eleven (11) to 8-feet.

The project technician kept a detailed log of each core including lithology, grain size, stratigraphic changes, color, moisture content and the occurrence of refusal. PVE personnel collected one (1) to two (2) soil samples from each of the soil borings for a total of forty-two (42) 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:

- PFAS Compounds (NY 21 List) via United States Environmental Protection Agency (USEPA) Method 537.1M.

Soil borings are summarized below:

Boring SB-1 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown clay and fine sand, some silt, and some gravel. Groundwater was not encountered at time of drilling (ATD). One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-2 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown clay and fine sand, some silt, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-3 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown clay and fine sand, some silt, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-4 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown fine sand, some dark brown clay, and some gravel. Groundwater was not encountered at time of drilling (ATD). One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-5 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown fine sand, some dark brown clay, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-6 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown clay and fine sand, some silt, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-7 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown fine sand, dark brown clay, some silt, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-8 was advanced via Geoprobe™ to 8 feet bgs. Soil consisted of topsoil, dark brown fine sand, dark brown clay, some silt, and some gravel. Groundwater was not encountered ATD. Composite soil samples were collected for laboratory analysis from the 0-4 feet interval and the 4-8 feet interval, respectively.

Boring SB-9 was advanced via Geoprobe™ to 8 feet bgs. Soil consisted of topsoil, dark/light brown clay and fine sand, some silt, and some gravel. Groundwater was not encountered ATD. Composite soil samples were collected for laboratory analysis from the 0-4 feet interval and the 4-8 feet interval, respectively.

Boring SB-10 was advanced via Geoprobe™ to 8 feet bgs. Soil consisted of topsoil, light brown clay, some fine sand, some silt, and some gravel. Groundwater was not encountered ATD. Composite soil samples were collected for laboratory analysis from the 0-4 feet interval and the 4-8 feet interval, respectively.

Boring SB-11 was advanced via Geoprobe™ to 8 feet bgs. Soil consisted of topsoil, light brown/gray clay, some fine sand, some silt, and some gravel. Groundwater was not encountered ATD. Composite soil samples were collected for laboratory analysis from the 0-4 feet interval and the 4-8 feet interval, respectively.

Boring SB-12 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown clay, some fine/light brown sand, some light brown clay, some silt, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-13 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown clay, fine sand, some silt, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-14 was advanced via Geoprobe™ to 8 feet bgs. Soil consisted of topsoil, dark brown clay, fine sand, some silt, and some gravel. Groundwater was not encountered ATD. Composite soil samples were collected for laboratory analysis from the 0-4 feet interval and the 4-8 feet interval, respectively.

Boring SB-15 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown clay, fine sand, some silt, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-16 was advanced via Geoprobe™ to 8 feet bgs. Soil consisted of topsoil, dark brown clay, fine sand, some silt, and some gravel. Groundwater was not encountered ATD. Composite soil samples were collected for laboratory analysis from the 0-4 feet interval and the 4-8 feet interval, respectively.

Boring SB-17 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown clay, fine sand, some silt, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-18 was advanced via Geoprobe™ to 8 feet bgs. Soil consisted of topsoil, dark/light brown clay, fine sand, silt, and some gravel. Groundwater was not encountered ATD. Composite soil samples were collected for laboratory analysis from the 0-4 feet interval and the 4-8 feet interval, respectively.

Boring SB-19 was advanced via Geoprobe™ to 8 feet bgs. Soil consisted of topsoil, dark brown/gray clay, fine sand, some silt, and some gravel. Groundwater was not encountered ATD. Composite soil samples were collected for laboratory analysis from the 0-4 feet interval and the 4-8 feet interval, respectively.

Boring SB-20 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown clay, fine sand, some silt, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-21 was advanced via Geoprobe™ to 8 feet bgs. Soil consisted of topsoil, dark brown/gray clay, fine sand, some silt, and some gravel. Groundwater was not encountered ATD. Composite soil samples were collected for laboratory analysis from the 0-4 feet interval and the 4-8 feet interval, respectively.

Boring SB-22 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown fine/medium sand, some silt, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-23 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown clay, fine sand, some silt, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-24 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown clay, fine sand, some silt, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-25 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown clay, fine sand, some silt, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-26 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown clay, fine sand, some silt, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-27 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown clay, fine sand, some silt, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-28 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown clay, fine sand, some silt, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

Boring SB-29 was advanced via Geoprobe™ to 8 feet bgs. Soil consisted of topsoil, dark brown clay, fine sand, some silt, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs and one (1) from 4-8 feet bgs for laboratory analysis.

Boring SB-30 was advanced via Geoprobe™ to 8 feet bgs. Soil consisted of topsoil, dark brown/gray clay, fine sand, some silt, and some gravel. Groundwater was not encountered ATD. Composite soil samples were collected for laboratory analysis from the 0-4 feet interval and the 4-8 feet interval, respectively.

Boring SB-31 was advanced via Geoprobe™ to 4 feet bgs. Soil consisted of topsoil, dark brown clay, fine sand, some silt, and some gravel. Groundwater was not encountered ATD. One (1) composite soil sample was collected from 0-4 feet bgs for laboratory analysis.

2.0 RESULTS

Soil sample results are summarized in Table 1. Analytical reports are attached.

2.1 Soil Samples

Analytical results from soil samples are summarized in Table 1 and compared to Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Commercial Soil Cleanup Objectives (CSCOs) as defined in 6NYCRR Part 375. Analytical reports are attached. See Figure 3 for soil boring sampling locations.

PFAS compounds were detected in three (3) of the forty-two (42) soil samples collected. No PFAS compounds were detected at concentrations exceeding UUSCOs nor CSCOs.

3.0 DISCUSSION and CONCLUSIONS

3.1 Soil

1. Thirty-one (31) soil borings were installed throughout the subject property; twenty (20) locations were drilled to a depth of 4-feet and eleven (11) locations were drilled to a depth of 8-feet below grade. One soil sample was collected from each 4-foot interval, a total of forty-two (42) samples, for laboratory analysis.

2. PFAS compounds were detected in three (3) of the forty-two (42) soil samples collected. No PFAS compounds were detected in any of the soil samples at concentrations exceeding UUSCOs nor CSCOs. Site operations do not appear to have impacted soil quality in the location of the proposed hangar. No further action is recommended regarding this matter, at this time.

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

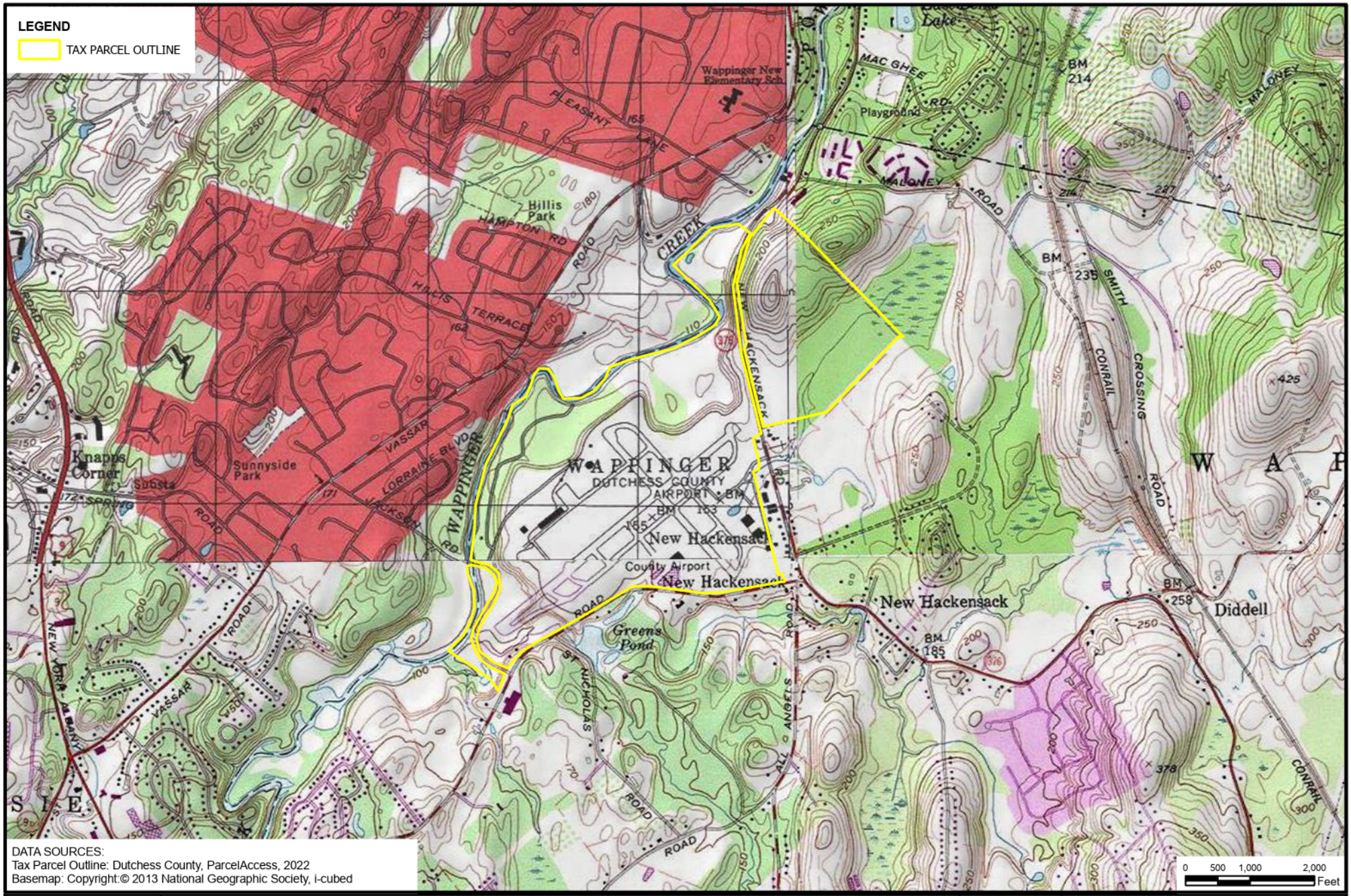
Sincerely,

PVE Engineering

Conor B. Tarbell, QEP
Senior Project Manager

CBT/TGT
Attachments

FIGURES



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

SITE LOCATION MAP

DUTCHESS COUNTY AIRPORT
263 NEW HACKENSACK ROAD
WAPPINGERS FALLS, NEW YORK

PROJECT NO. 20220641	FIGURE 1
	DATE: 11/17/2022
	SCALE: AS INDICATED
	PROJECTION: STATE PLANE NAD83 NY EAST
	ALL LOCATIONS APPROXIMATE

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

SELECTED SITE FEATURES

DUTCHESS COUNTY AIRPORT
263 NEW HACKENSACK ROAD
WAPPINGERS FALLS, NEW YORK

LEGEND

TAX PARCEL OUTLINE

PROJECT NO. 20220641

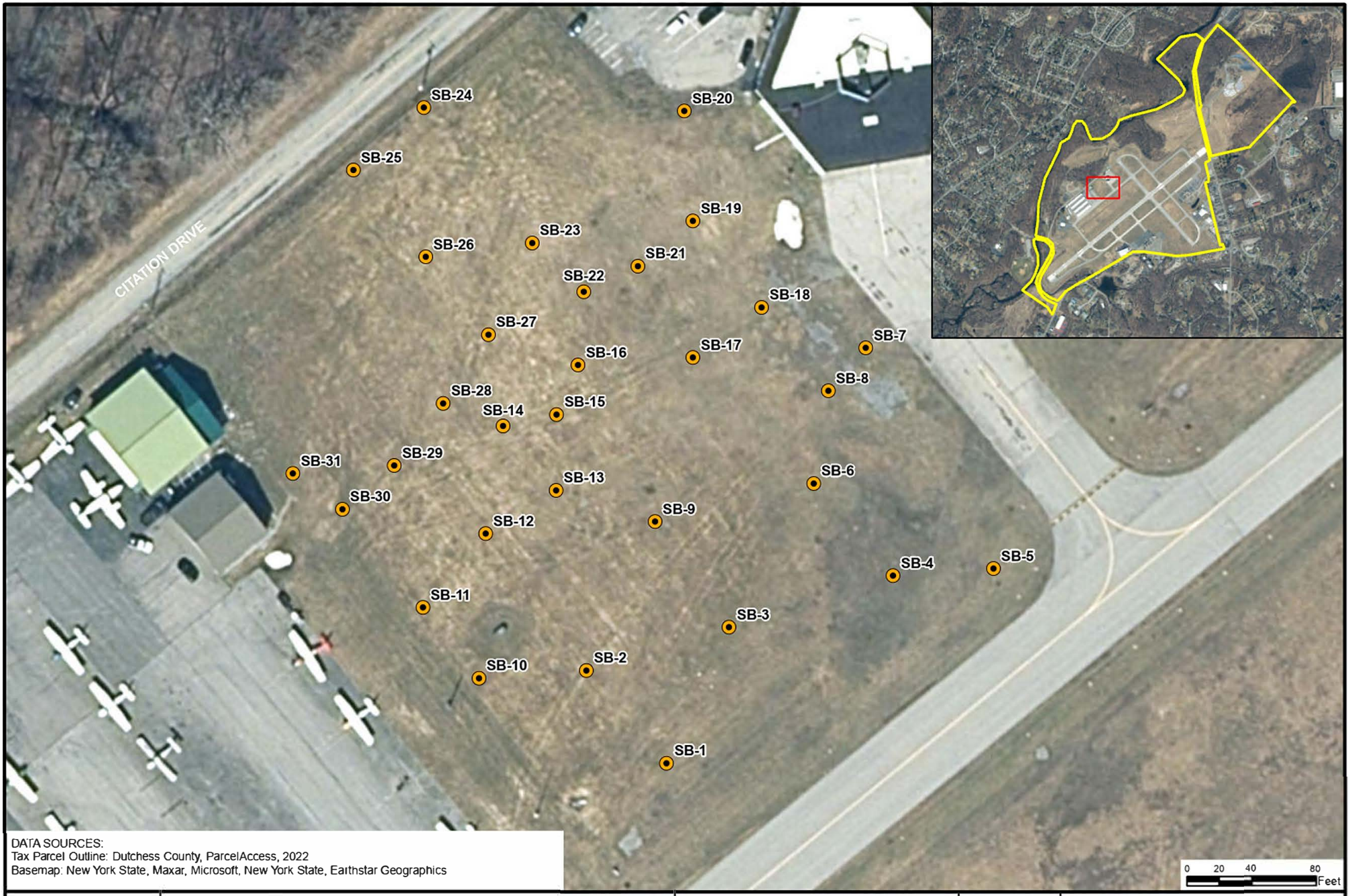
FIGURE 2

DATE: 11/17/2022

SCALE: AS INDICATED

PROJECTION: STATE PLANE NAD83 NY EAST

ALL LOCATIONS APPROXIMATE



DATA SOURCES:
Tax Parcel Outline: Dutchess County, ParcelAccess, 2022
Basemap: New York State, Maxar, Microsoft, New York State, Earthstar Geographics

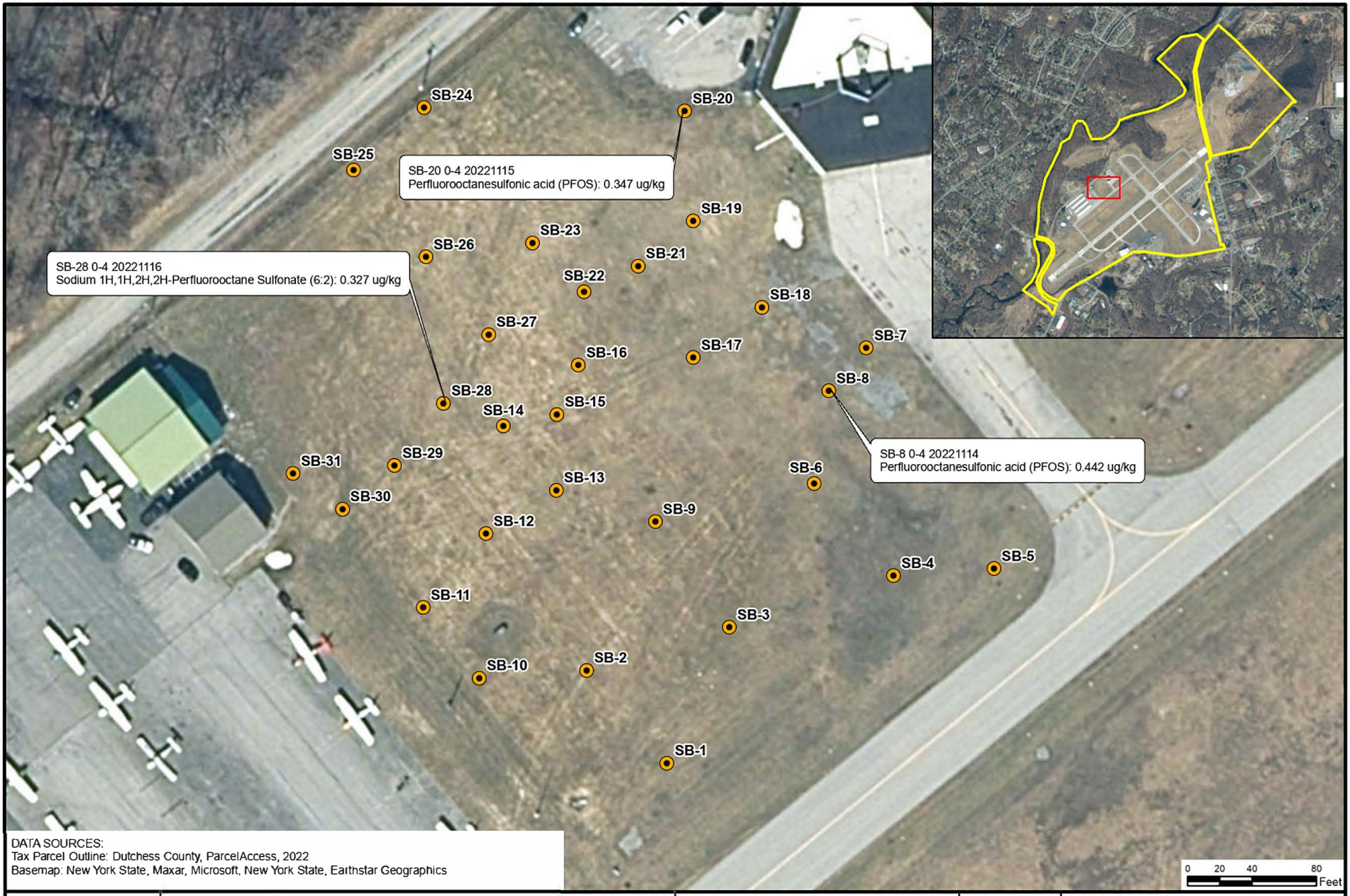
PVE
48 Springside Avenue
Poughkeepsie, NY 12603
Office: 845.454.2544
Fax: 845.454.2655

BORING LOCATIONS

DUTCHESS COUNTY AIRPORT
263 NEW HACKENSACK ROAD
WAPPINGERS FALLS, NEW YORK

LEGEND
- SOIL BORING
- TAX PARCEL OUTLINE

PROJECT NO. 20220641	**FIGURE 3**
	DATE: 11/17/2022
	SCALE: AS INDICATED
	PROJECTION: STATE PLANE NAD83 NY EAST
	ALL LOCATIONS APPROXIMATE



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

BORING LOCATIONS WITH PFAS DETECTED

DUTCHESS COUNTY AIRPORT
263 NEW HACKENSACK ROAD WAPPINGERS FALLS, NEW YORK

LEGEND
- SOIL BORING
- TAX PARCEL OUTLINE

PROJECT NO. 20220641

FIGURE 4

DATE: 11/17/2022

SCALE: AS INDICATED

PROJECTION: STATE PLANE NAD83 NY EAST

ALL LOCATIONS APPROXIMATE

TABLES

Table 1 - PFAS Compounds in Soil Samples
Compared to UUSCOs and CSCOs per 6 NYCRR Part 375
Hudson Valley Regional Airport
PVE File #20220641

					Date Sampled	11/14/2022			11/14/2022			11/14/2022			11/14/2022			11/14/2022			11/14/2022			11/14/2022			11/14/2022		
					Location	SB-1			SB-2			SB-3			SB-4			SB-5			SB-6			SB-7			SB-8		
					Sample ID	SB-1 0-4 20221114			SB-2 0-4 20221114			SB-3 0-4 20221114			SB-4 0-4 20221114			SB-5 0-4 20221114			SB-6 0-4 20221114			SB-7 0-4 20221114			SB-8 0-4 20221114		
Method	Analyte	CAS RN	UUSCOs	CSCOs	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
E537	2-(N-methyl perfluorooctanesulfonamido) acetic acid	2355-31-9	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	2991-50-6	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	Perfluorobutanoic Acid	375-22-4	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	Perfluorodecane Sulfonic Acid	335-77-3	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	Perfluorodecanoic acid (PFDA)	335-76-2	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	Perfluorododecanoic acid (PFDoA)	307-55-1	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	Perfluoroheptane Sulfonate (PFHPS)	375-92-8	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	Perfluoroheptanoic acid (PFHpA)	375-85-9	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	Perfluorohexanoic acid (PFHxA)	307-24-4	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	Perfluorononanoic acid (PFNA)	375-95-1	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.88	440	ug/kg	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	0.442	ug/kg	
E537	Perfluorooctanoic acid (PFOA)	335-67-1	0.66	500	ug/kg	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	Perfluorotetradecanoic acid (PFTA)	376-06-7	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	Perfluorotridecanoic Acid (PFTriA)	72629-94-8	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	39108-34-4	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U
E537	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	27619-97-2	NE	NE		ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.28	ug/kg	U	ND< 0.258	ug/kg	U	ND< 0.268	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.252	ug/kg	U

Notes:
Standards are for respective Soil Cleanup Objectives per NYSDEC Part 375 Unrestricted Use
Soil Cleanup Objectives (UUSCOs), and Commercial Soil Cleanup Objectives (CSCOs);
Yellow shading designates those compounds detected at concerntrations exceeding UUSCOs;
Orange shading designates those compounds detected at concentrations exceeding CSCOs;
NE = No standard established; &
ND and U = Not detected at method detection limit for sample.

Table 1 - PFAS Compounds in Soil Samples
Compared to UUSCOs and CSCOs per 6 NYCRR Part 375
Hudson Valley Regional Airport
PVE File #20220641

					Date Sampled	11/14/2022			11/14/2022			11/14/2022			11/14/2022			11/14/2022			11/14/2022			11/14/2022			11/14/2022		
					Location	SB-8			SB-9			SB-9			SB-10			SB-10			SB-11			SB-11			SB-12		
					Sample ID	SB-8 4-8 20221114			SB-9 0-4 20221114			SB-9 4-8 20221114			SB-10 0-4 20221114			SB-10 4-8 20221114			SB-11 0-4 20221114			SB-11 4-8 20221114			SB-12 0-4 20221114		
Method	Analyte	CAS RN	UUSCOs	CSCOs	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
E537	2-(N-methyl perfluorooctanesulfonamido) acetic acid	2355-31-9	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	2991-50-6	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Perfluorobutanoic Acid	375-22-4	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Perfluorodecane Sulfonic Acid	335-77-3	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Perfluorodecanoic acid (PFDA)	335-76-2	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Perfluorododecanoic acid (PFDoA)	307-55-1	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Perfluoroheptane Sulfonate (PFHPS)	375-92-8	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Perfluoroheptanoic acid (PFHpA)	375-85-9	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Perfluorohexanoic acid (PFHxA)	307-24-4	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Perfluorononanoic acid (PFNA)	375-95-1	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.88	440	ug/kg	ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Perfluorooctanoic acid (PFOA)	335-67-1	0.66	500	ug/kg	ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Perfluorotetradecanoic acid (PFTA)	376-06-7	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Perfluorotridecanoic Acid (PFTriA)	72629-94-8	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	39108-34-4	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U
E537	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	27619-97-2	NE	NE		ND< 0.262	ug/kg	U	ND< 0.262	ug/kg	U	ND< 0.272	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.275	ug/kg	U	ND< 0.279	ug/kg	U	ND< 0.253	ug/kg	U

Notes:
Standards are for respective Soil Cleanup Objectives per NYSDEC Part 375 Unrestricted Use
Soil Cleanup Objectives (UUSCOs), and Commercial Soil Cleanup Objectives (CSCOs);
Yellow shading designates those compounds detected at concerntrations exceeding UUSCOs;
Orange shading designates those compounds detected at concentrations exceeding CSCOs;
NE = No standard established; &
ND and U = Not detected at method detection limit for sample.

Table 1 - PFAS Compounds in Soil Samples
Compared to UUSCOs and CSCOs per 6 NYCRR Part 375
Hudson Valley Regional Airport
PVE File #20220641

					Date Sampled	11/15/2022			11/15/2022			11/15/2022			11/15/2022			11/15/2022			11/15/2022			11/15/2022			11/15/2022		
					Location	SB-13			SB-14			SB-14			SB-15			SB-16			SB-16			SB-17			SB-18		
					Sample ID	SB-13 0-4 20221115			SB-14 0-4 20221115			SB-14 4-8 20221115			SB-15 0-4 20221115			SB-16 0-4 20221115			SB-16 4-8 20221115			SB-17 0-4 20221115			SB-18 0-4 20221115		
Method	Analyte	CAS RN	UUSCOs	CSCOs	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
E537	2-(N-methyl perfluorooctanesulfonamido) acetic acid	2355-31-9	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	2991-50-6	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Perfluorobutanoic Acid	375-22-4	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Perfluorodecane Sulfonic Acid	335-77-3	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Perfluorodecanoic acid (PFDA)	335-76-2	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Perfluorododecanoic acid (PFDoA)	307-55-1	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Perfluoroheptane Sulfonate (PFHPS)	375-92-8	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Perfluoroheptanoic acid (PFHpA)	375-85-9	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Perfluorohexanoic acid (PFHxA)	307-24-4	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Perfluorononanoic acid (PFNA)	375-95-1	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.88	440	ug/kg	ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Perfluorooctanoic acid (PFOA)	335-67-1	0.66	500	ug/kg	ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Perfluorotetradecanoic acid (PFTA)	376-06-7	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Perfluorotridecanoic Acid (PFTriA)	72629-94-8	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	39108-34-4	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U
E537	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	27619-97-2	NE	NE		ND< 0.262	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.289	ug/kg	U	ND< 0.281	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.268	ug/kg	U

Notes:
Standards are for respective Soil Cleanup Objectives per NYSDEC Part 375 Unrestricted Use
Soil Cleanup Objectives (UUSCOs), and Commercial Soil Cleanup Objectives (CSCOs);
Yellow shading designates those compounds detected at concerntrations exceeding UUSCOs;
Orange shading designates those compounds detected at concentrations exceeding CSCOs;
NE = No standard established; &
ND and U = Not detected at method detection limit for sample.

Table 1 - PFAS Compounds in Soil Samples
Compared to UUSCOs and CSCOs per 6 NYCRR Part 375
Hudson Valley Regional Airport
PVE File #20220641

					Date Sampled	11/15/2022			11/15/2022			11/15/2022			11/15/2022			11/15/2022			11/15/2022			11/15/2022			11/15/2022		
					Location	SB-18			SB-19			SB-19			SB-20			SB-21			SB-21			SB-22			SB-23		
					Sample ID	SB-18 4-8 20221115			SB-19 0-4 20221115			SB-19 4-8 20221115			SB-20 0-4 20221115			SB-21 0-4 20221115			SB-21 4-8 20221115			SB-22 0-4 20221115			SB-23 0-4 20221115		
Method	Analyte	CAS RN	UUSCOs	CSCOs	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
E537	2-(N-methyl perfluorooctanesulfonamido) acetic acid	2355-31-9	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	2991-50-6	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Perfluorobutanoic Acid	375-22-4	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Perfluorodecane Sulfonic Acid	335-77-3	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Perfluorodecanoic acid (PFDA)	335-76-2	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Perfluorododecanoic acid (PFDoA)	307-55-1	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Perfluoroheptane Sulfonate (PFHPS)	375-92-8	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Perfluoroheptanoic acid (PFHpA)	375-85-9	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Perfluorohexanoic acid (PFHxA)	307-24-4	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Perfluorononanoic acid (PFNA)	375-95-1	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.88	440	ug/kg	ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	0.347	ug/kg		ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Perfluorooctanoic acid (PFOA)	335-67-1	0.66	500	ug/kg	ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Perfluorotetradecanoic acid (PFTA)	376-06-7	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Perfluorotridecanoic Acid (PFTriA)	72629-94-8	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	39108-34-4	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U
E537	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	27619-97-2	NE	NE		ND< 0.296	ug/kg	U	ND< 0.261	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.274	ug/kg	U	ND< 0.269	ug/kg	U	ND< 0.266	ug/kg	U	ND< 0.256	ug/kg	U	ND< 0.258	ug/kg	U

Notes:
Standards are for respective Soil Cleanup Objectives per NYSDEC Part 375 Unrestricted Use
Soil Cleanup Objectives (UUSCOs), and Commercial Soil Cleanup Objectives (CSCOs);
Yellow shading designates those compounds detected at concerntrations exceeding UUSCOs;
Orange shading designates those compounds detected at concentrations exceeding CSCOs;
NE = No standard established; &
ND and U = Not detected at method detection limit for sample.

Table 1 - PFAS Compounds in Soil Samples
Compared to UUSCOs and CSCOs per 6 NYCRR Part 375
Hudson Valley Regional Airport
PVE File #20220641

					Date Sampled	11/15/2022			11/15/2022			11/15/2022			11/16/2022			11/16/2022			11/16/2022			11/16/2022			11/16/2022		
					Location	SB-24			SB-25			SB-26			SB-27			SB-28			SB-29			SB-29			SB-30		
					Sample ID	SB-24 0-4 20221115			SB-25 0-4 20221115			SB-26 0-4 20221115			SB-27 0-4 20221116			SB-28 0-4 20221116			SB-29 0-4 20221116			SB-29 4-8 20221116			SB-30 0-4 20221116		
Method	Analyte	CAS RN	UUSCOs	CSCOs	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
E537	2-(N-methyl perfluorooctanesulfonamido) acetic acid	2355-31-9	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	2991-50-6	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Perfluorobutanoic Acid	375-22-4	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Perfluorodecane Sulfonic Acid	335-77-3	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Perfluorodecanoic acid (PFDA)	335-76-2	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Perfluorododecanoic acid (PFDoA)	307-55-1	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Perfluoroheptane Sulfonate (PFHPS)	375-92-8	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Perfluoroheptanoic acid (PFHpA)	375-85-9	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Perfluorohexanoic acid (PFHxA)	307-24-4	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Perfluorononanoic acid (PFNA)	375-95-1	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.88	440	ug/kg	ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Perfluorooctanoic acid (PFOA)	335-67-1	0.66	500	ug/kg	ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Perfluorotetradecanoic acid (PFTA)	376-06-7	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Perfluorotridecanoic Acid (PFTriA)	72629-94-8	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	39108-34-4	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	ND< 0.278	ug/kg	U	ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U
E537	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	27619-97-2	NE	NE		ND< 0.265	ug/kg	U	ND< 0.284	ug/kg	U	ND< 0.26	ug/kg	U	ND< 0.282	ug/kg	U	0.327	ug/kg		ND< 0.283	ug/kg	U	ND< 0.288	ug/kg	U	ND< 0.259	ug/kg	U

Notes:
Standards are for respective Soil Cleanup Objectives per NYSDEC Part 375 Unrestricted Use
Soil Cleanup Objectives (UUSCOs), and Commercial Soil Cleanup Objectives (CSCOs);
Yellow shading designates those compounds detected at concerntrations exceeding UUSCOs;
Orange shading designates those compounds detected at concentrations exceeding CSCOs;
NE = No standard established; &
ND and U = Not detected at method detection limit for sample.

Table 1 - PFAS Compounds in Soil Samples
Compared to UUSCOs and CSCOs per 6 NYCRR Part 375
Hudson Valley Regional Airport
PVE File #20220641

					Date Sampled	11/16/2022			11/16/2022		
					Location	SB-30			SB-31		
					Sample ID	SB-30 4-8 20221116			SB-31 0-4 20221116		
Method	Analyte	CAS RN	UUSCOs	CSCOs	Unit	Result	Unit	Q	Result	Unit	Q
E537	2-(N-methyl perfluorooctanesulfonamido) acetic acid	2355-31-9	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	2991-50-6	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Perfluorobutanoic Acid	375-22-4	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Perfluorodecane Sulfonic Acid	335-77-3	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Perfluorodecanoic acid (PFDA)	335-76-2	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Perfluorododecanoic acid (PFDoA)	307-55-1	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Perfluoroheptane Sulfonate (PFHPS)	375-92-8	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Perfluoroheptanoic acid (PFHpA)	375-85-9	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Perfluorohexanoic acid (PFHxA)	307-24-4	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Perfluorononanoic acid (PFNA)	375-95-1	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.88	440	ug/kg	ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Perfluorooctanoic acid (PFOA)	335-67-1	0.66	500	ug/kg	ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Perfluorotetradecanoic acid (PFTA)	376-06-7	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Perfluorotridecanoic Acid (PFTriA)	72629-94-8	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	39108-34-4	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U
E537	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	27619-97-2	NE	NE		ND< 0.273	ug/kg	U	ND< 0.279	ug/kg	U

Notes:
Standards are for respective Soil Cleanup Objectives per NYSDEC Part 375 Unrestricted Use
Soil Cleanup Objectives (UUSCOs), and Commercial Soil Cleanup Objectives (CSCOs);
Yellow shading designates those compounds detected at concerntrations exceeding UUSCOs;
Orange shading designates those compounds detected at concentrations exceeding CSCOs;
NE = No standard established; &
ND and U = Not detected at method detection limit for sample.

SOIL BORING LOGS

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

BORING NUMBER SB-1

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/14/22 **COMPLETED** 11/14/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Cloudy
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(CL) Dark brown clay, dark brown fine sand, some silt, some gravel
1				
2	GB 0-4	CL		
3				
4				
4.0				Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-2

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/14/22 **COMPLETED** 11/14/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Cloudy
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(CL) Dark brown clay, dark brown fine sand, some silt, some gravel
1				
2	GB 0-4	CL		
3				
4				
4.0				Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-3

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/14/22 **COMPLETED** 11/14/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Cloudy
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(CL) Dark brown clay, dark brown fine sand, some silt, some gravel
1				
2	GB 0-4	CL		
3				
4				
4.0				Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-4

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/14/22 **COMPLETED** 11/14/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Cloudy
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(SP) Dark brown fine sand, some dark brown clay, some gravel
1				
2	GB 0-4	SP		
3				
4				
4.0				Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-5

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/14/22 **COMPLETED** 11/14/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Cloudy
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(SP) Dark brown fine sand, some dark brown clay, some gravel
1				
2	GB 0-4	SP		
3				
4				
4.0				Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-6

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/14/22 **COMPLETED** 11/14/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Cloudy
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(CL) Dark brown clay, dark brown fine sand, some silt, some gravel
1				
2	GB 0-4	CL		
3				
4				
4.0				Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-7

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/14/22 **COMPLETED** 11/14/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Cloudy
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				
		CL		(CL) Dark brown clay, dark brown fine sand, some silt, some gravel
1				
1.0				
				(SP) Dark brown fine sand, some dark brown clay, some gravel
2	GB 0-4			
		SP		
3				
4				
4.0				

Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-8

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/14/22 **COMPLETED** 11/14/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Cloudy
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				Topsoil
0.5				(CL) Dark brown clay, dark brown fine sand, some silt, some gravel
2.5	GB 0-4	CL		
4.0				(SP) Dark brown fine sand, some dark brown clay, some gravel
5.0	GB 4-7.9	SP		
7.5				
8.0				

Bottom of borehole at 8.0 feet.

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

BORING NUMBER SB-9

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/14/22 **COMPLETED** 11/14/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Cloudy
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				Topsoil
0.5				(CL) Dark brown clay, dark brown fine sand, some silt, some gravel
2.5	GB 0-4	CL		
5.0				(CL) Light brown clay, some fine sand, some silt
7.5	GB 4-7.9	CL		
8.0				Bottom of borehole at 8.0 feet.

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

BORING NUMBER SB-10

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/14/22 **COMPLETED** 11/14/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Cloudy
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				Topsoil
0.5				(CL) Light brown clay, some fine sand, some silt, some gravel
2.5	GB 0-4	CL		
5.0	GB 4-7.9			
7.5				
8.0				Bottom of borehole at 8.0 feet.

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

BORING NUMBER SB-11

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/14/22 **COMPLETED** 11/14/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Cloudy
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				Topsoil
0.5				(CL) Light brown to gray clay, some fine sand, some silt, some gravel
2.5	GB 0-4	CL		
4.0		CL		(CL) Gray clay to light brown clay, some fine sand, some silt, some gravel
5.0	GB 4-7.9			
7.5				

Bottom of borehole at 8.0 feet.

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

BORING NUMBER SB-12

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/14/22 **COMPLETED** 11/14/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Cloudy
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(CL) Dark brown clay, some fine sand, some silt, some gravel
1				
2	GB 0-4	CL		
3				
3.0				(SW) Light brown fine sand, some light brown clay, some silt, some gravel
4		SW		
4.0				Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-13

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/15/22 **COMPLETED** 11/15/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Overcast
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
1				
2	GB 0-4	CL		
3				
4				
4.0				Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-14

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/15/22 **COMPLETED** 11/15/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Overcast
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
2.5	GB 0-4	CL		
5.0	GB 4-7.9			
6.0		CL		(CL) Dark brown clay, some fine sand
7.5				
8.0				Bottom of borehole at 8.0 feet.

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

BORING NUMBER SB-15

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/15/22 **COMPLETED** 11/15/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Overcast
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
1				
2	GB 0-4	CL		
3				
4				
4.0				Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-16

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/15/22 **COMPLETED** 11/15/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Overcast
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
2.5	GB 0-4	CL		
5.0	GB 4-7.9			
6.0		CL		(CL) Dark brown clay, some fine sand
7.5				
8.0				Bottom of borehole at 8.0 feet.

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

BORING NUMBER SB-17

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/15/22 **COMPLETED** 11/15/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Overcast
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
1				
2	GB 0-4	CL		
3				
4				
4.0				Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-18

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/15/22 **COMPLETED** 11/15/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Overcast
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
2.5	GB 0-4	CL		
3.0				(CL) Light brown clay, some fine sand, some gravel, some silt
5.0		CL		
6.0	GB 4-7.9			(ML) Light brown clay, silt
7.5		ML		
8.0				Bottom of borehole at 8.0 feet.

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

BORING NUMBER SB-19

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/15/22 **COMPLETED** 11/15/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Overcast
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
2.5	GB 0-4	CL		
5.0				
6.0	GB 4-7.9			(CL) Dark brown to gray clay, some fine sand
7.5		CL		
8.0				Bottom of borehole at 8.0 feet.

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

BORING NUMBER SB-20

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/15/22 **COMPLETED** 11/15/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Overcast
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
1				
2	GB 0-4	CL		
3				
4				
4.0				Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-21

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/15/22 **COMPLETED** 11/15/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Overcast
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
2.5	GB 0-4	CL		
5.0	GB 4-7.9			
6.0		CL		(CL) Dark brown to gray clay, some fine sand
7.5				
8.0				Bottom of borehole at 8.0 feet.

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

BORING NUMBER SB-22

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/15/22 **COMPLETED** 11/15/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Overcast
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
1		CL		
2	GB 0-4			(SP) Dark brown fine and medium sand
2.0		SP		
3				(CL) Dark brown clay, fine sand, some silt, gravel
3.0		CL		
4				
4.0				Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-23

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/15/22 **COMPLETED** 11/15/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Overcast
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
1				
2	GB 0-4	CL		
3				
4				
4.0				Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-24

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/15/22 **COMPLETED** 11/15/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Overcast
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
1				
2	GB 0-4	CL		
3				
4				
4.0				Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-25

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/15/22 **COMPLETED** 11/15/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Overcast
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
1				
2	GB 0-4	CL		
3				
4				
4.0				Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-26

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/15/22 **COMPLETED** 11/15/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 55°, Overcast
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
1				
2	GB 0-4	CL		
3				
4				
4.0				Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-27

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/16/22 **COMPLETED** 11/16/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 45°, Overcast/Rain
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
1				
2	GB 0-4	CL		
3				
4				
4.0				Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-28

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/16/22 **COMPLETED** 11/16/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 45°, Overcast/Rain
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
1				
2	GB 0-4	CL		
3				
4				
4.0				Bottom of borehole at 4.0 feet.

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

BORING NUMBER SB-29

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/16/22 **COMPLETED** 11/16/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 45°, Overcast/Rain
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
2.5	GB 0-4	CL		
5.0	GB 4-7.9			
7.5				
8.0				Bottom of borehole at 8.0 feet.

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

BORING NUMBER SB-30

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/16/22 **COMPLETED** 11/16/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 45°, Overcast/Rain
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
2.5	GB 0-4	CL		
4.0				(CL) Grey clay, fine sand, some silt, gravel
5.0		CL		
6.0	GB 4-7.9			(CL) Dark brown clay, fine sand, some silt, gravel
7.5		CL		
8.0				Bottom of borehole at 8.0 feet.

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

BORING NUMBER SB-31

CLIENT Clark Patterson Lee
PROJECT NAME Hudson Valley Regional Airport
PROJECT NUMBER 20220641
PROJECT LOCATION 263 New Hackensack Road, Wappingers Falls, NY
DATE STARTED 11/16/22 **COMPLETED** 11/16/22
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR PVE Engineering
GROUND WATER LEVELS:
DRILLING METHOD Direct Push via GeoProbe 54DT
AT TIME OF DRILLING ---
LOGGED BY Trevor Treglia **CHECKED BY** SMA
AT END OF DRILLING ---
NOTES Weather: 45°, Overcast/Rain
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Topsoil
0.5				(CL) Dark brown clay, fine sand, some silt, gravel
1				
2	GB 0-4	CL		
3				
4				
4.0				Bottom of borehole at 4.0 feet.

ANALYTICAL REPORTS

Technical Report
Perfluoroalkyl Substances (PFAS)

prepared for:

PVE, LLC.
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Trevor Treglia

Report Date: 11/22/2022
Client Project ID: 20220641
York Project (SDG) No.: 22K0807

Report Date: 11/22/2022
Client Project ID: 20220641
York Project (SDG) No.: 22K0807

PVE, LLC.
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Trevor Treglia

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 November 15, 2022 and listed below. The project was identified as your project: **20220641**.

The analyses were conducted utilizing appropriate EPA 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.

Please contact Client Services at 203.325.1371 with any questions regarding this report or e-mail clientservices@yorklab.com.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22K0807-01	EB 20221114	Water	11/14/2022	11/15/2022
22K0807-02	FB 20221114	Water	11/14/2022	11/15/2022
22K0807-03	SB-1 0-4 20221114	Soil	11/14/2022	11/15/2022
22K0807-04	SB-2 0-4 20221114	Soil	11/14/2022	11/15/2022
22K0807-05	SB-3 0-4 20221114	Soil	11/14/2022	11/15/2022
22K0807-06	SB-4 0-4 20221114	Soil	11/14/2022	11/15/2022
22K0807-07	SB-5 0-4 20221114	Soil	11/14/2022	11/15/2022
22K0807-08	SB-6 0-4 20221114	Soil	11/14/2022	11/15/2022
22K0807-09	SB-7 0-4 20221114	Soil	11/14/2022	11/15/2022
22K0807-10	SB-8 0-4 20221114	Soil	11/14/2022	11/15/2022
22K0807-11	SB-8 4-8 20221114	Soil	11/14/2022	11/15/2022
22K0807-12	SB-9 0-4 20221114	Soil	11/14/2022	11/15/2022
22K0807-13	SB-9 4-8 20221114	Soil	11/14/2022	11/15/2022
22K0807-14	SB-10 0-4 20221114	Soil	11/14/2022	11/15/2022
22K0807-15	SB-10 4-8 20221114	Soil	11/14/2022	11/15/2022
22K0807-16	SB-11 0-4 20221114	Soil	11/14/2022	11/15/2022
22K0807-17	SB-11 4-8 20221114	Soil	11/14/2022	11/15/2022
22K0807-18	SB-12 0-4 20221114	Soil	11/14/2022	11/15/2022

General Notes for York Project (SDG) No.: 22K0807

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; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: Cassie L. Mosher

Cassie L. Mosher
Laboratory Manager

Date: 11/22/2022

Sample Information

Client Sample ID: EB 20221114 **York Sample ID:** 22K0807-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Water	November 14, 2022 9:20 am	11/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
2355-31-9	* N-MeFOSAA	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
2991-50-6	* N-EtFOSAA	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ng/L	4.46	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:40	

Sample Information

Client Sample ID: EB 20221114 **York Sample ID:** 22K0807-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Water	November 14, 2022 9:20 am	11/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**					
	Surrogate: M3PFBS	*74.7 %*		*25-150*					
	Surrogate: M5PFHxA	*71.7 %*		*25-150*					
	Surrogate: M4PFHpA	*74.0 %*		*25-150*					
	Surrogate: M3PFHxS	*79.8 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*82.3 %*		*25-150*					
	Surrogate: M6PFDA	*80.7 %*		*25-150*					
	Surrogate: M7PFUdA	*75.8 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*68.3 %*		*25-150*					
	Surrogate: M2PFTeDA	*57.0 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*64.7 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*90.4 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.1 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*28.5 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*71.4 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*67.4 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*109 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*94.3 %*		*25-200*					
	Surrogate: M9PFNA	*83.9 %*		*25-150*					

Sample Information

Client Sample ID: FB 20221114 **York Sample ID:** 22K0807-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Water	November 14, 2022 9:45 am	11/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	

Sample Information

Client Sample ID: FB 20221114 **York Sample ID:** 22K0807-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Water	November 14, 2022 9:45 am	11/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
2355-31-9	* N-MeFOSAA	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
2991-50-6	* N-EtFOSAA	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ng/L	4.46	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0	ng/L	1.79	EPA 537m	11/17/2022 15:26	WEL
					Certifications:			11/18/2022 22:53	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*78.6 %*	*25-150*
Surrogate: M5PFHxA	*82.4 %*	*25-150*

Sample Information

Client Sample ID: FB 20221114 **York Sample ID:** 22K0807-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Water	November 14, 2022 9:45 am	11/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	*79.5 %*		*25-150*					
	Surrogate: M3PFHxS	*82.8 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*91.0 %*		*25-150*					
	Surrogate: M6PFDA	*86.6 %*		*25-150*					
	Surrogate: M7PFUdA	*75.2 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*75.7 %*		*25-150*					
	Surrogate: M2PFTeDA	*66.4 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*71.5 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*88.9 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*84.7 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*59.8 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*76.3 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*78.5 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*111 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*93.2 %*		*25-200*					
	Surrogate: M9PFNA	*93.1 %*		*25-150*					

Sample Information

Client Sample ID: SB-1 0-4 20221114 **York Sample ID:** 22K0807-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 9:50 am	11/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 16:58	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 16:58	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 16:58	

Sample Information

Client Sample ID: SB-1 0-4 20221114 **York Sample ID:** 22K0807-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 9:50 am	11/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ug/kg dry Certifications:	0.258	EPA 537m	11/17/2022 16:06 11/21/2022 16:58	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0	ug/kg dry Certifications:	0.258	EPA 537m	11/17/2022 16:06 11/21/2022 16:58	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		0	ug/kg dry Certifications:	0.258	EPA 537m	11/17/2022 16:06 11/21/2022 16:58	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ug/kg dry Certifications:	0.258	EPA 537m	11/17/2022 16:06 11/21/2022 16:58	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ug/kg dry Certifications:	0.258	EPA 537m	11/17/2022 16:06 11/21/2022 16:58	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ug/kg dry Certifications:	0.258	EPA 537m	11/17/2022 16:06 11/21/2022 16:58	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ug/kg dry Certifications:	0.258	EPA 537m	11/17/2022 16:06 11/21/2022 16:58	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	0	ug/kg dry Certifications:	0.258	EPA 537m	11/17/2022 16:06 11/21/2022 16:58	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ug/kg dry Certifications:	0.258	EPA 537m	11/17/2022 16:06 11/21/2022 16:58	WEL
2355-31-9	* N-MeFOSAA	ND		0	ug/kg dry Certifications:	0.258	EPA 537m	11/17/2022 16:06 11/21/2022 16:58	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	0	ug/kg dry Certifications:	0.258	EPA 537m	11/17/2022 16:06 11/21/2022 16:58	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0	ug/kg dry Certifications:	0.258	EPA 537m	11/17/2022 16:06 11/21/2022 16:58	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	0	ug/kg dry Certifications:	0.258	EPA 537m	11/17/2022 16:06 11/21/2022 16:58	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ug/kg dry Certifications:	0.258	EPA 537m	11/17/2022 16:06 11/21/2022 16:58	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ug/kg dry Certifications:	0.258	EPA 537m	11/17/2022 16:06 11/21/2022 16:58	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ug/kg dry Certifications:	0.258	EPA 537m	11/17/2022 16:06 11/21/2022 16:58	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ug/kg dry Certifications:	0.258	EPA 537m	11/17/2022 16:06 11/21/2022 16:58	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0	ug/kg dry Certifications:	0.258	EPA 537m	11/17/2022 16:06 11/21/2022 16:58	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*90.1 %*	*25-150*
Surrogate: M5PFHxA	*84.0 %*	*25-150*
Surrogate: M4PFHpA	*79.7 %*	*25-150*
Surrogate: M3PFHxS	*89.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*81.4 %*	*25-150*

Sample Information

Client Sample ID: SB-1 0-4 20221114 **York Sample ID:** 22K0807-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 9:50 am	11/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate: M6PFDA	*62.2 %*		*25-150*					
	Surrogate: M7PFUdA	*50.5 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*48.4 %*		*25-150*					
	Surrogate: M2PFTeDA	*26.1 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*77.9 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*76.1 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*79.6 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*49.2 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*54.7 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*64.3 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*96.4 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*63.1 %*		*25-200*					
	Surrogate: M9PFNA	*69.0 %*		*25-150*					

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.3**		**100**	%	0.100	SM 2540G	11/19/2022 18:12	JTG
					Certifications:		CTDOH-PH-0723	11/19/2022 18:24	

Sample Information

Client Sample ID: SB-2 0-4 20221114 **York Sample ID:** 22K0807-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 10:10 am	11/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 17:11	

Sample Information

Client Sample ID: SB-2 0-4 20221114 **York Sample ID:** 22K0807-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 10:10 am	11/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
2355-31-9	* N-MeFOSAA	ND		0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0	ug/kg dry Certifications:	0.268	EPA 537m	11/17/2022 16:06 11/21/2022 17:11	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*97.0 %*	*25-150*
Surrogate: M5PFHxA	*97.2 %*	*25-150*

Sample Information

Client Sample ID: SB-2 0-4 20221114 **York Sample ID:** 22K0807-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 10:10 am	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	*88.9 %*		*25-150*					
	Surrogate: M3PFHxS	*120 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*86.1 %*		*25-150*					
	Surrogate: M6PFDA	*63.6 %*		*25-150*					
	Surrogate: M7PFUdA	*58.5 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*60.0 %*		*25-150*					
	Surrogate: M2PFTeDA	*29.9 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*86.6 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*70.4 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*88.4 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*52.1 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*58.1 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*71.4 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*103 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*99.7 %*		*25-200*					
	Surrogate: M9PFNA	*73.3 %*		*25-150*					

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.2**		**100**	%	0.100	SM 2540G	11/19/2022 18:12	JTG
					Certifications:		CTDOH-PH-0723	11/19/2022 18:24	

Sample Information

Client Sample ID: SB-3 0-4 20221114 **York Sample ID:** 22K0807-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 10:20 am	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: SB-3 0-4 20221114 **York Sample ID:** 22K0807-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 10:20 am	11/15/2022

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
2355-31-9	* N-MeFOSAA	ND		0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0	ug/kg dry	0.280	EPA 537m	11/17/2022 16:06 11/21/2022 17:24	WEL
					Certifications:				

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*89.7 %*	*25-150*

Sample Information

Client Sample ID: SB-3 0-4 20221114 **York Sample ID:** 22K0807-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 10:20 am	11/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*79.1 %*		*25-150*					
	Surrogate: M4PFHpA	*70.5 %*		*25-150*					
	Surrogate: M3PFHxS	*88.7 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*76.8 %*		*25-150*					
	Surrogate: M6PFDA	*54.2 %*		*25-150*					
	Surrogate: M7PFUdA	*51.5 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*49.7 %*		*25-150*					
	Surrogate: M2PFTeDA	*29.4 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*79.0 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*74.5 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.6 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*49.8 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*57.8 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*74.8 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*190 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*156 %*		*25-200*					
	Surrogate: M9PFNA	*64.4 %*		*25-150*					

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.7**		**100**	%	0.100	SM 2540G	11/19/2022 18:12	JTG
					Certifications:		CTDOH-PH-0723	11/19/2022 18:24	

Sample Information

Client Sample ID: SB-4 0-4 20221114 **York Sample ID:** 22K0807-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 10:40 am	11/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: SB-4 0-4 20221114 **York Sample ID:** 22K0807-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 10:40 am	11/15/2022

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
2355-31-9	* N-MeFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0	ug/kg dry	0.258	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:16	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*83.2 %*	*25-150*

Sample Information

Client Sample ID: SB-4 0-4 20221114 **York Sample ID:** 22K0807-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 10:40 am	11/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*71.7 %*		*25-150*					
	Surrogate: M4PFHpA	*74.3 %*		*25-150*					
	Surrogate: M3PFHxS	*83.9 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*69.6 %*		*25-150*					
	Surrogate: M6PFDA	*51.4 %*		*25-150*					
	Surrogate: M7PFUdA	*47.0 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*44.5 %*		*25-150*					
	Surrogate: M2PFTeDA	*22.4 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*71.4 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*66.8 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.5 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*45.8 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*38.9 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*56.5 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*62.3 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*68.8 %*		*25-200*					
	Surrogate: M9PFNA	*66.9 %*		*25-150*					

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.7**		**100**	%	0.100	SM 2540G	11/19/2022 18:12	JTG
					Certifications:		CTDOH-PH-0723	11/19/2022 18:24	

Sample Information

Client Sample ID: SB-5 0-4 20221114 **York Sample ID:** 22K0807-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 11:00 am	11/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: SB-5 0-4 20221114 **York Sample ID:** 22K0807-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 11:00 am	11/15/2022

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
2355-31-9	* N-MeFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0	ug/kg dry	0.268	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:29	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*93.5 %*	*25-150*

Sample Information

Client Sample ID: SB-5 0-4 20221114 **York Sample ID:** 22K0807-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 11:00 am	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*78.1 %*		*25-150*					
	Surrogate: M4PFHpA	*83.8 %*		*25-150*					
	Surrogate: M3PFHxS	*91.0 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*73.6 %*		*25-150*					
	Surrogate: M6PFDA	*43.3 %*		*25-150*					
	Surrogate: M7PFUdA	*26.6 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*15.1 %*	PFSu-L	*25-150*					
	Surrogate: M2PFTeDA	*9.23 %*	PFSu-L	*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*75.5 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*60.3 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*82.5 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*24.8 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*20.7 %*	PFSu-L	*25-150*					
	Surrogate: d5-N-EtFOSAA	*18.9 %*	PFSu-L	*25-150*					
	Surrogate: M2-6:2 FTS	*64.2 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*42.1 %*		*25-200*					
	Surrogate: M9PFNA	*64.7 %*		*25-150*					

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.7**		**100**	%	0.100	SM 2540G	11/19/2022 18:12	JTG
					Certifications:		CTDOH-PH-0723	11/19/2022 18:24	

Sample Information

Client Sample ID: SB-6 0-4 20221114 **York Sample ID:** 22K0807-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 11:15 am	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: SB-6 0-4 20221114 **York Sample ID:** 22K0807-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 11:15 am	11/15/2022

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
2355-31-9	* N-MeFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0	ug/kg dry	0.274	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:42	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*81.1 %*	*25-150*

Sample Information

Client Sample ID: SB-6 0-4 20221114 **York Sample ID:** 22K0807-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 11:15 am	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*75.0 %*		*25-150*					
	Surrogate: M4PFHpA	*77.3 %*		*25-150*					
	Surrogate: M3PFHxS	*84.5 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*69.1 %*		*25-150*					
	Surrogate: M6PFDA	*46.1 %*		*25-150*					
	Surrogate: M7PFUdA	*49.8 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*46.9 %*		*25-150*					
	Surrogate: M2PFTeDA	*20.0 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*70.0 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*54.0 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*70.9 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*45.7 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*45.5 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*57.5 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*82.7 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*56.4 %*		*25-200*					
	Surrogate: M9PFNA	*59.1 %*		*25-150*					

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.8**		**100**	%	0.100	SM 2540G	11/19/2022 18:12	JTG
					Certifications:		CTDOH-PH-0723	11/19/2022 18:24	

Sample Information

Client Sample ID: SB-7 0-4 20221114 **York Sample ID:** 22K0807-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 11:30 am	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: SB-7 0-4 20221114 **York Sample ID:** 22K0807-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 11:30 am	11/15/2022

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
2355-31-9	* N-MeFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0	ug/kg dry	0.260	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 18:55	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*87.8 %*	*25-150*

Sample Information

Client Sample ID: SB-7 0-4 20221114 **York Sample ID:** 22K0807-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 11:30 am	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*85.0 %*		*25-150*					
	Surrogate: M4PFHpA	*76.8 %*		*25-150*					
	Surrogate: M3PFHxS	*83.8 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*87.0 %*		*25-150*					
	Surrogate: M6PFDA	*64.0 %*		*25-150*					
	Surrogate: M7PFUdA	*54.0 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*48.9 %*		*25-150*					
	Surrogate: M2PFTeDA	*23.2 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*78.7 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*76.0 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*81.7 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*47.4 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*49.9 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*63.6 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*83.8 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*59.3 %*		*25-200*					
	Surrogate: M9PFNA	*78.5 %*		*25-150*					

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.9**		**100**	%	0.100	SM 2540G	11/19/2022 18:12	JTG
					Certifications:		CTDOH-PH-0723	11/19/2022 18:24	

Sample Information

Client Sample ID: SB-8 0-4 20221114 **York Sample ID:** 22K0807-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 11:50 am	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: SB-8 0-4 20221114 **York Sample ID:** 22K0807-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 11:50 am	11/15/2022

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.442**		**0**	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
2355-31-9	* N-MeFOSAA	ND	PF-CCV-L	0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0	ug/kg dry Certifications:	0.252	EPA 537m	11/17/2022 16:06 11/21/2022 19:08	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*83.3 %*	*25-150*

Sample Information

Client Sample ID: SB-8 0-4 20221114 **York Sample ID:** 22K0807-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 11:50 am	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*75.1 %*		*25-150*					
	Surrogate: M4PFHpA	*76.3 %*		*25-150*					
	Surrogate: M3PFHxS	*83.6 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.0 %*		*25-150*					
	Surrogate: M6PFDA	*55.5 %*		*25-150*					
	Surrogate: M7PFUdA	*49.8 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*50.3 %*		*25-150*					
	Surrogate: M2PFTeDA	*30.2 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*68.8 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*63.5 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*72.6 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*47.5 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*46.6 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*58.5 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*77.1 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*86.8 %*		*25-200*					
	Surrogate: M9PFNA	*68.5 %*		*25-150*					

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.0**		**100**	%	0.100	SM 2540G	11/19/2022 18:12	JTG
					Certifications:		CTDOH-PH-0723	11/19/2022 18:24	

Sample Information

Client Sample ID: SB-8 4-8 20221114 **York Sample ID:** 22K0807-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 12:00 pm	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: SB-8 4-8 20221114 **York Sample ID:** 22K0807-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 12:00 pm	11/15/2022

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
2355-31-9	* N-MeFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:21	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*84.2 %*	*25-150*

Sample Information

Client Sample ID: SB-8 4-8 20221114 **York Sample ID:** 22K0807-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 12:00 pm	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*82.3 %*		*25-150*					
	Surrogate: M4PFHpA	*80.5 %*		*25-150*					
	Surrogate: M3PFHxS	*81.3 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*87.5 %*		*25-150*					
	Surrogate: M6PFDA	*68.7 %*		*25-150*					
	Surrogate: M7PFUdA	*63.0 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*48.0 %*		*25-150*					
	Surrogate: M2PFTeDA	*24.5 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*74.6 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*77.8 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*80.3 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*57.1 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*56.2 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*49.3 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*75.7 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*70.5 %*		*25-200*					
	Surrogate: M9PFNA	*81.8 %*		*25-150*					

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.2**		**100**	%	0.100	SM 2540G	11/19/2022 18:12	JTG
					Certifications:		CTDOH-PH-0723	11/19/2022 18:24	

Sample Information

Client Sample ID: SB-9 0-4 20221114 **York Sample ID:** 22K0807-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 12:15 pm	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: SB-9 0-4 20221114 **York Sample ID:** 22K0807-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 12:15 pm	11/15/2022

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
2355-31-9	* N-MeFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0	ug/kg dry	0.262	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:34	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*83.5 %*	*25-150*

Sample Information

Client Sample ID: SB-9 0-4 20221114 **York Sample ID:** 22K0807-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 12:15 pm	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*75.5 %*		*25-150*					
	Surrogate: M4PFHpA	*73.9 %*		*25-150*					
	Surrogate: M3PFHxS	*88.1 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*84.2 %*		*25-150*					
	Surrogate: M6PFDA	*59.2 %*		*25-150*					
	Surrogate: M7PFUdA	*51.5 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*51.9 %*		*25-150*					
	Surrogate: M2PFTeDA	*30.0 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*71.6 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*79.5 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.9 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*49.8 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*53.7 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*63.7 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*84.0 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*86.1 %*		*25-200*					
	Surrogate: M9PFNA	*69.4 %*		*25-150*					

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.6**		**100**	%	0.100	SM 2540G	11/19/2022 18:12	JTG
					Certifications:		CTDOH-PH-0723	11/19/2022 18:24	

Sample Information

Client Sample ID: SB-9 4-8 20221114 **York Sample ID:** 22K0807-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 12:20 pm	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: SB-9 4-8 20221114 **York Sample ID:** 22K0807-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 12:20 pm	11/15/2022

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
2355-31-9	* N-MeFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0	ug/kg dry	0.272	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:47	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*77.6 %*	*25-150*

Sample Information

Client Sample ID: SB-9 4-8 20221114 **York Sample ID:** 22K0807-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 12:20 pm	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*67.9 %*		*25-150*					
	Surrogate: M4PFHpA	*70.9 %*		*25-150*					
	Surrogate: M3PFHxS	*83.7 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*75.0 %*		*25-150*					
	Surrogate: M6PFDA	*53.2 %*		*25-150*					
	Surrogate: M7PFUdA	*50.2 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*44.5 %*		*25-150*					
	Surrogate: M2PFTeDA	*16.4 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*64.0 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*61.3 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*71.3 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*41.9 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*40.5 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*56.7 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*136 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*72.5 %*		*25-200*					
	Surrogate: M9PFNA	*59.1 %*		*25-150*					

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.2**		**100**	%	0.100	SM 2540G	11/19/2022 18:12	JTG
					Certifications:		CTDOH-PH-0723	11/19/2022 18:24	

Sample Information

Client Sample ID: SB-10 0-4 20221114 **York Sample ID:** 22K0807-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 12:50 pm	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: SB-10 0-4 20221114 **York Sample ID:** 22K0807-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 12:50 pm	11/15/2022

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
2355-31-9	* N-MeFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 19:59	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*79.6 %*	*25-150*

Sample Information

Client Sample ID: SB-10 0-4 20221114 **York Sample ID:** 22K0807-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 12:50 pm	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*71.8 %*		*25-150*					
	Surrogate: M4PFHpA	*73.3 %*		*25-150*					
	Surrogate: M3PFHxS	*100 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*69.3 %*		*25-150*					
	Surrogate: M6PFDA	*57.6 %*		*25-150*					
	Surrogate: M7PFUdA	*49.7 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*50.0 %*		*25-150*					
	Surrogate: M2PFTeDA	*36.8 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*67.1 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*60.4 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*72.5 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*46.5 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*49.2 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*64.3 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*65.4 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*50.7 %*		*25-200*					
	Surrogate: M9PFNA	*62.9 %*		*25-150*					

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.5**		**100**	%	0.100	SM 2540G	11/19/2022 18:12	JTG
					Certifications:		CTDOH-PH-0723	11/19/2022 18:24	

Sample Information

Client Sample ID: SB-10 4-8 20221114 **York Sample ID:** 22K0807-15

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 1:00 pm	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: SB-10 4-8 20221114 **York Sample ID:** 22K0807-15

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 1:00 pm	11/15/2022

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
2355-31-9	* N-MeFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0	ug/kg dry	0.261	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:12	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*78.4 %*	*25-150*

Sample Information

Client Sample ID: SB-10 4-8 20221114 **York Sample ID:** 22K0807-15

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 1:00 pm	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*79.4 %*		*25-150*					
	Surrogate: M4PFHpA	*72.7 %*		*25-150*					
	Surrogate: M3PFHxS	*78.3 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*81.0 %*		*25-150*					
	Surrogate: M6PFDA	*63.7 %*		*25-150*					
	Surrogate: M7PFUdA	*56.3 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*47.5 %*		*25-150*					
	Surrogate: M2PFTeDA	*23.2 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*69.0 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*64.2 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*78.0 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*50.1 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*48.0 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*46.4 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*86.5 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*72.0 %*		*25-200*					
	Surrogate: M9PFNA	*72.4 %*		*25-150*					

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.5**		**100**	%	0.100	SM 2540G	11/19/2022 18:12	JTG
					Certifications:		CTDOH-PH-0723	11/19/2022 18:24	

Sample Information

Client Sample ID: SB-11 0-4 20221114 **York Sample ID:** 22K0807-16

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 1:15 pm	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: SB-11 0-4 20221114 **York Sample ID:** 22K0807-16

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 1:15 pm	11/15/2022

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
2355-31-9	* N-MeFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0	ug/kg dry	0.275	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:38	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*86.9 %*	*25-150*

Sample Information

Client Sample ID: SB-11 0-4 20221114 **York Sample ID:** 22K0807-16

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 1:15 pm	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*83.2 %*		*25-150*					
	Surrogate: M4PFHpA	*82.9 %*		*25-150*					
	Surrogate: M3PFHxS	*84.0 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*88.7 %*		*25-150*					
	Surrogate: M6PFDA	*75.5 %*		*25-150*					
	Surrogate: M7PFUdA	*67.3 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*55.6 %*		*25-150*					
	Surrogate: M2PFTeDA	*42.3 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*74.8 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*83.9 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*83.9 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*46.7 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*63.4 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*69.7 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*74.1 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*90.9 %*		*25-200*					
	Surrogate: M9PFNA	*85.5 %*		*25-150*					

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.0**		**100**	%	0.100	SM 2540G	11/19/2022 18:12	JTG
					Certifications:		CTDOH-PH-0723	11/19/2022 18:24	

Sample Information

Client Sample ID: SB-11 4-8 20221114 **York Sample ID:** 22K0807-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 1:20 pm	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: SB-11 4-8 20221114 **York Sample ID:** 22K0807-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 1:20 pm	11/15/2022

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
2355-31-9	* N-MeFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0	ug/kg dry	0.279	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 20:52	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*89.5 %*	*25-150*

Sample Information

Client Sample ID: SB-11 4-8 20221114 **York Sample ID:** 22K0807-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 1:20 pm	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*82.1 %*		*25-150*					
	Surrogate: M4PFHpA	*81.7 %*		*25-150*					
	Surrogate: M3PFHxS	*95.7 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*90.4 %*		*25-150*					
	Surrogate: M6PFDA	*62.2 %*		*25-150*					
	Surrogate: M7PFUdA	*49.4 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*43.5 %*		*25-150*					
	Surrogate: M2PFTeDA	*22.5 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*78.8 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*78.6 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*78.7 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*43.1 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*48.4 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*58.3 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*93.2 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*78.1 %*		*25-200*					
	Surrogate: M9PFNA	*79.4 %*		*25-150*					

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.6**		**100**	%	0.100	SM 2540G	11/19/2022 18:12	JTG
					Certifications:		CTDOH-PH-0723	11/19/2022 18:24	

Sample Information

Client Sample ID: SB-12 0-4 20221114 **York Sample ID:** 22K0807-18

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 1:40 pm	11/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: SB-12 0-4 20221114 **York Sample ID:** 22K0807-18

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 1:40 pm	11/15/2022

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
2355-31-9	* N-MeFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		0	ug/kg dry	0.253	EPA 537m	11/17/2022 16:06	WEL
					Certifications:			11/21/2022 21:05	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*87.2 %*	*25-150*

Sample Information

Client Sample ID: SB-12 0-4 20221114 **York Sample ID:** 22K0807-18

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0807	20220641	Soil	November 14, 2022 1:40 pm	11/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*81.5 %*		*25-150*					
	Surrogate: M4PFHpA	*83.8 %*		*25-150*					
	Surrogate: M3PFHxS	*104 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*81.7 %*		*25-150*					
	Surrogate: M6PFDA	*59.4 %*		*25-150*					
	Surrogate: M7PFUdA	*51.6 %*		*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*48.5 %*		*25-150*					
	Surrogate: M2PFTeDA	*32.0 %*		*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*73.0 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*86.5 %*		*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.2 %*		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*33.5 %*		*10-150*					
	Surrogate: d3-N-MeFOSAA	*52.9 %*		*25-150*					
	Surrogate: d5-N-EtFOSAA	*74.1 %*		*25-150*					
	Surrogate: M2-6:2 FTS	*101 %*		*25-200*					
	Surrogate: M2-8:2 FTS	*119 %*		*25-200*					
	Surrogate: M9PFNA	*74.5 %*		*25-150*					

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.9**		**100**	%	0.100	SM 2540G	11/19/2022 18:12	JTG
					Certifications:		CTDOH-PH-0723	11/19/2022 18:24	

Analytical Batch Summary

Batch ID: BK21120 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WJH

YORK Sample ID	Client Sample ID	Preparation Date
22K0807-01	EB 20221114	11/17/22
22K0807-02	FB 20221114	11/17/22
BK21120-BLK1	Blank	11/17/22
BK21120-BS1	LCS	11/17/22
BK21120-BSD1	LCS Dup	11/17/22

Batch ID: BK21122 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WJH

YORK Sample ID	Client Sample ID	Preparation Date
22K0807-03	SB-1 0-4 20221114	11/17/22
22K0807-04	SB-2 0-4 20221114	11/17/22
22K0807-05	SB-3 0-4 20221114	11/17/22
22K0807-06	SB-4 0-4 20221114	11/17/22
22K0807-07	SB-5 0-4 20221114	11/17/22
22K0807-08	SB-6 0-4 20221114	11/17/22
22K0807-09	SB-7 0-4 20221114	11/17/22
22K0807-10	SB-8 0-4 20221114	11/17/22
22K0807-11	SB-8 4-8 20221114	11/17/22
22K0807-12	SB-9 0-4 20221114	11/17/22
22K0807-13	SB-9 4-8 20221114	11/17/22
22K0807-14	SB-10 0-4 20221114	11/17/22
22K0807-15	SB-10 4-8 20221114	11/17/22
22K0807-16	SB-11 0-4 20221114	11/17/22
22K0807-17	SB-11 4-8 20221114	11/17/22
22K0807-18	SB-12 0-4 20221114	11/17/22
BK21122-BLK1	Blank	11/17/22
BK21122-BS1	LCS	11/17/22
BK21122-MS1	Matrix Spike	11/17/22
BK21122-MSD1	Matrix Spike Dup	11/17/22

Batch ID: BK21241 **Preparation Method:** % Solids Prep **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22K0807-03	SB-1 0-4 20221114	11/19/22
22K0807-04	SB-2 0-4 20221114	11/19/22
22K0807-05	SB-3 0-4 20221114	11/19/22
22K0807-06	SB-4 0-4 20221114	11/19/22
22K0807-07	SB-5 0-4 20221114	11/19/22
22K0807-08	SB-6 0-4 20221114	11/19/22
22K0807-09	SB-7 0-4 20221114	11/19/22
22K0807-10	SB-8 0-4 20221114	11/19/22
22K0807-11	SB-8 4-8 20221114	11/19/22
22K0807-12	SB-9 0-4 20221114	11/19/22
22K0807-13	SB-9 4-8 20221114	11/19/22
22K0807-14	SB-10 0-4 20221114	11/19/22

22K0807-15	SB-10 4-8 20221114	11/19/22
22K0807-16	SB-11 0-4 20221114	11/19/22
22K0807-17	SB-11 4-8 20221114	11/19/22
22K0807-18	SB-12 0-4 20221114	11/19/22
BK21241-DUP1	Duplicate	11/19/22

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 BK21120 - SPE Ext-PFAS-EPA 537.1M											
Blank (BK21120-BLK1)									Prepared: 11/17/2022 Analyzed: 11/18/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*57.3*		*"*	*74.3*		*77.1*	*25-150*				
Surrogate: M5PFHxA	*69.1*		*"*	*80.0*		*86.4*	*25-150*				
Surrogate: M4PFHpA	*70.8*		*"*	*80.0*		*88.5*	*25-150*				
Surrogate: M3PFHxS	*70.1*		*"*	*75.7*		*92.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*75.1*		*"*	*80.0*		*93.8*	*25-150*				
Surrogate: M6PFDA	*71.9*		*"*	*80.0*		*89.9*	*25-150*				
Surrogate: M7PFUdA	*66.6*		*"*	*80.0*		*83.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*57.9*		*"*	*80.0*		*72.4*	*25-150*				
Surrogate: M2PFTeDA	*56.0*		*"*	*80.0*		*70.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*60.5*		*"*	*80.0*		*75.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*77.3*		*"*	*76.6*		*101*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*68.6*		*"*	*80.0*		*85.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*37.6*		*"*	*80.0*		*47.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*63.4*		*"*	*80.0*		*79.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*62.5*		*"*	*80.0*		*78.1*	*25-150*				
Surrogate: M2-6:2 FTS	*78.5*		*"*	*75.9*		*103*	*25-200*				
Surrogate: M2-8:2 FTS	*85.3*		*"*	*76.6*		*111*	*25-200*				
Surrogate: M9PFNA	*76.3*		*"*	*80.0*		*95.4*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK21120 - SPE Ext-PFAS-EPA 537.1M											
LCS (BK21120-BS1)									Prepared: 11/17/2022 Analyzed: 11/18/2022		
Perfluorobutanesulfonic acid (PFBS)	74.6	2.00	ng/L	70.8		105	50-130				
Perfluorohexanoic acid (PFHxA)	88.7	2.00	"	80.0		111	50-130				
Perfluoroheptanoic acid (PFHpA)	95.0	2.00	"	80.0		119	50-130				
Perfluorohexanesulfonic acid (PFHxS)	77.0	2.00	"	72.8		106	50-130				
Perfluorooctanoic acid (PFOA)	83.6	2.00	"	80.0		104	50-130				
Perfluorooctanesulfonic acid (PFOS)	72.0	2.00	"	74.0		97.3	50-130				
Perfluorononanoic acid (PFNA)	83.4	2.00	"	80.0		104	50-130				
Perfluorodecanoic acid (PFDA)	89.6	2.00	"	80.0		112	50-130				
Perfluoroundecanoic acid (PFUnA)	88.1	2.00	"	80.0		110	50-130				
Perfluorododecanoic acid (PFDoA)	88.0	2.00	"	80.0		110	50-130				
Perfluorotridecanoic acid (PFTrDA)	82.2	2.00	"	80.0		103	50-130				
Perfluorotetradecanoic acid (PFTA)	88.9	2.00	"	80.0		111	50-130				
N-MeFOSAA	79.6	2.00	"	80.0		99.5	50-130				
N-EtFOSAA	78.1	2.00	"	80.0		97.6	50-130				
Perfluoropentanoic acid (PFPeA)	89.4	2.00	"	80.0		112	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	77.2	2.00	"	80.0		96.5	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	65.4	2.00	"	76.4		85.7	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	71.2	2.00	"	77.2		92.2	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	73.5	5.00	"	76.0		96.7	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	83.2	2.00	"	76.8		108	50-175				
Perfluoro-n-butanoic acid (PFBA)	86.5	2.00	"	80.0		108	50-130				
Surrogate: M3PFBS	*52.9*		"	*74.3*		*71.2*	*25-150*				
Surrogate: M5PFHxA	*61.3*		"	*80.0*		*76.6*	*25-150*				
Surrogate: M4PFHpA	*62.0*		"	*80.0*		*77.5*	*25-150*				
Surrogate: M3PFHxS	*60.6*		"	*75.7*		*80.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*69.2*		"	*80.0*		*86.5*	*25-150*				
Surrogate: M6PFDA	*62.2*		"	*80.0*		*77.8*	*25-150*				
Surrogate: M7PFUdA	*58.0*		"	*80.0*		*72.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*57.5*		"	*80.0*		*71.9*	*25-150*				
Surrogate: M2PFTeDA	*47.1*		"	*80.0*		*58.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*56.4*		"	*80.0*		*70.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*67.9*		"	*76.6*		*88.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*64.1*		"	*80.0*		*80.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*37.5*		"	*80.0*		*46.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*57.4*		"	*80.0*		*71.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*53.9*		"	*80.0*		*67.4*	*25-150*				
Surrogate: M2-6:2 FTS	*75.6*		"	*75.9*		*99.6*	*25-200*				
Surrogate: M2-8:2 FTS	*73.8*		"	*76.6*		*96.3*	*25-200*				
Surrogate: M9PFNA	*65.6*		"	*80.0*		*82.0*	*25-150*				

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

York Analytical Laboratories, Inc. - Stratford

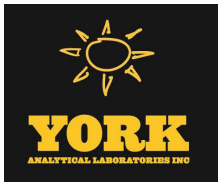
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK21120 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BK21120-BSD1)									Prepared: 11/17/2022 Analyzed: 11/18/2022		
Perfluorobutanesulfonic acid (PFBS)	86.9	2.00	ng/L	70.8		123	50-130		15.1	30	
Perfluorohexanoic acid (PFHxA)	95.7	2.00	"	80.0		120	50-130		7.64	30	
Perfluoroheptanoic acid (PFHpA)	102	2.00	"	80.0		128	50-130		7.23	30	
Perfluorohexanesulfonic acid (PFHxS)	83.8	2.00	"	72.8		115	50-130		8.44	30	
Perfluorooctanoic acid (PFOA)	98.9	2.00	"	80.0		124	50-130		16.8	30	
Perfluorooctanesulfonic acid (PFOS)	75.8	2.00	"	74.0		102	50-130		5.22	30	
Perfluorononanoic acid (PFNA)	81.9	2.00	"	80.0		102	50-130		1.82	30	
Perfluorodecanoic acid (PFDA)	98.4	2.00	"	80.0		123	50-130		9.41	30	
Perfluoroundecanoic acid (PFUnA)	96.0	2.00	"	80.0		120	50-130		8.57	30	
Perfluorododecanoic acid (PFDoA)	98.0	2.00	"	80.0		123	50-130		10.8	30	
Perfluorotridecanoic acid (PFTrDA)	95.6	2.00	"	80.0		119	50-130		15.0	30	
Perfluorotetradecanoic acid (PFTA)	96.7	2.00	"	80.0		121	50-130		8.37	30	
N-MeFOSAA	88.5	2.00	"	80.0		111	50-130		10.6	30	
N-EtFOSAA	92.5	2.00	"	80.0		116	50-130		16.8	30	
Perfluoropentanoic acid (PFPeA)	101	2.00	"	80.0		126	50-130		12.2	30	
Perfluoro-1-octanesulfonamide (FOSA)	89.7	2.00	"	80.0		112	50-130		14.9	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	68.9	2.00	"	76.4		90.2	50-130		5.17	30	
Perfluoro-1-decanesulfonic acid (PFDS)	69.4	2.00	"	77.2		89.9	50-130		2.56	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	107	5.00	"	76.0		141	50-175		37.0	30	Non-dir.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	104	2.00	"	76.8		135	50-175		22.1	30	
Perfluoro-n-butanoic acid (PFBA)	92.4	2.00	"	80.0		116	50-130		6.58	30	
Surrogate: M3PFBS	*47.1*		"	*74.3*		*63.4*	*25-150*				
Surrogate: M5PFHxA	*57.0*		"	*80.0*		*71.2*	*25-150*				
Surrogate: M4PFHpA	*56.8*		"	*80.0*		*71.0*	*25-150*				
Surrogate: M3PFHxS	*52.6*		"	*75.7*		*69.5*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*60.5*		"	*80.0*		*75.6*	*25-150*				
Surrogate: M6PFDA	*57.6*		"	*80.0*		*72.0*	*25-150*				
Surrogate: M7PFUdA	*55.0*		"	*80.0*		*68.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*52.5*		"	*80.0*		*65.7*	*25-150*				
Surrogate: M2PFTeDA	*45.8*		"	*80.0*		*57.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*53.3*		"	*80.0*		*66.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*65.1*		"	*76.6*		*85.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*59.5*		"	*80.0*		*74.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*33.8*		"	*80.0*		*42.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*50.4*		"	*80.0*		*63.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*44.6*		"	*80.0*		*55.8*	*25-150*				
Surrogate: M2-6:2 FTS	*59.4*		"	*75.9*		*78.2*	*25-200*				
Surrogate: M2-8:2 FTS	*56.7*		"	*76.6*		*73.9*	*25-200*				
Surrogate: M9PFNA	*66.4*		"	*80.0*		*83.0*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK21122 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BK21122-BLK1)											
Perfluorobutanesulfonic acid (PFBS)	ND	0.238	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.238	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.238	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.238	"								
Perfluorooctanoic acid (PFOA)	ND	0.238	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.238	"								
Perfluorononanoic acid (PFNA)	ND	0.238	"								
Perfluorodecanoic acid (PFDA)	ND	0.238	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.238	"								
Perfluorododecanoic acid (PFDoA)	ND	0.238	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.238	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.238	"								
N-MeFOSAA	ND	0.238	"								
N-EtFOSAA	ND	0.238	"								
Perfluoropentanoic acid (PFPeA)	ND	0.238	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.238	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.238	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.238	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	0.238	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	0.238	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.238	"								
Surrogate: M3PFBS	*4.96*		"	*4.43*		*112*	*25-150*				
Surrogate: M5PFHxA	*4.30*		"	*4.77*		*90.2*	*25-150*				
Surrogate: M4PFHpA	*3.39*		"	*4.77*		*71.1*	*25-150*				
Surrogate: M3PFHxS	*3.86*		"	*4.51*		*85.5*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.67*		"	*4.77*		*98.0*	*25-150*				
Surrogate: M6PFDA	*3.55*		"	*4.77*		*74.5*	*25-150*				
Surrogate: M7PFUdA	*2.93*		"	*4.77*		*61.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.50*		"	*4.77*		*52.4*	*25-150*				
Surrogate: M2PFTeDA	*1.94*		"	*4.77*		*40.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.27*		"	*4.77*		*89.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.20*		"	*4.56*		*91.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.77*		"	*4.77*		*100*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.40*		"	*4.77*		*50.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.72*		"	*4.77*		*57.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.68*		"	*4.77*		*56.2*	*25-150*				
Surrogate: M2-6:2 FTS	*4.58*		"	*4.53*		*101*	*25-200*				
Surrogate: M2-8:2 FTS	*3.69*		"	*4.57*		*80.8*	*25-200*				
Surrogate: M9PFNA	*4.11*		"	*4.77*		*86.2*	*25-150*				

Prepared: 11/17/2022 Analyzed: 11/21/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK21122 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BK21122-BS1)									Prepared: 11/17/2022 Analyzed: 11/21/2022		
Perfluorobutanesulfonic acid (PFBS)	4.64	0.244	ug/kg wet	4.32		107	50-130				
Perfluorohexanoic acid (PFHxA)	5.68	0.244	"	4.88		116	50-130				
Perfluoroheptanoic acid (PFHpA)	5.70	0.244	"	4.88		117	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.77	0.244	"	4.44		107	50-130				
Perfluorooctanoic acid (PFOA)	5.10	0.244	"	4.88		105	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.51	0.244	"	4.51		99.9	50-130				
Perfluorononanoic acid (PFNA)	5.13	0.244	"	4.88		105	50-130				
Perfluorodecanoic acid (PFDA)	6.02	0.244	"	4.88		123	50-130				
Perfluoroundecanoic acid (PFUnA)	5.24	0.244	"	4.88		107	50-130				
Perfluorododecanoic acid (PFDoA)	5.52	0.244	"	4.88		113	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.03	0.244	"	4.88		82.6	50-130				
Perfluorotetradecanoic acid (PFTA)	5.91	0.244	"	4.88		121	50-130				
N-MeFOSAA	4.84	0.244	"	4.88		99.2	50-130				
N-EtFOSAA	4.90	0.244	"	4.88		100	50-130				
Perfluoropentanoic acid (PFPeA)	5.78	0.244	"	4.88		118	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	5.14	0.244	"	4.88		105	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.24	0.244	"	4.66		112	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.11	0.244	"	4.71		87.2	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	5.09	0.244	"	4.64		110	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	5.62	0.244	"	4.69		120	50-200				
Perfluoro-n-butanoic acid (PFBA)	5.26	0.244	"	4.88		108	50-130				
Surrogate: M3PFBS	*4.62*		"	*4.53*		*102*	*25-150*				
Surrogate: M5PFHxA	*4.45*		"	*4.88*		*91.3*	*25-150*				
Surrogate: M4PFHpA	*4.26*		"	*4.88*		*87.4*	*25-150*				
Surrogate: M3PFHxS	*4.58*		"	*4.62*		*99.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.49*		"	*4.88*		*91.9*	*25-150*				
Surrogate: M6PFDA	*3.45*		"	*4.88*		*70.7*	*25-150*				
Surrogate: M7PFUdA	*3.35*		"	*4.88*		*68.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.09*		"	*4.88*		*63.3*	*25-150*				
Surrogate: M2PFTeDA	*2.18*		"	*4.88*		*44.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.23*		"	*4.88*		*86.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.07*		"	*4.67*		*87.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.61*		"	*4.88*		*94.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.97*		"	*4.88*		*61.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.35*		"	*4.88*		*68.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.04*		"	*4.88*		*62.2*	*25-150*				
Surrogate: M2-6:2 FTS	*4.25*		"	*4.63*		*91.9*	*25-200*				
Surrogate: M2-8:2 FTS	*3.75*		"	*4.68*		*80.2*	*25-200*				
Surrogate: M9PFNA	*4.26*		"	*4.88*		*87.2*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK21122 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BK21122-MS1)	*Source sample: 22K0807-05 (SB-3 0-4 20221114)								Prepared: 11/17/2022 Analyzed: 11/21/2022		
Perfluorobutanesulfonic acid (PFBS)	5.25	0.282	ug/kg dry	5.00	ND	105	25-150				
Perfluorohexanoic acid (PFHxA)	5.91	0.282	"	5.65	ND	105	25-150				
Perfluoroheptanoic acid (PFHpA)	6.93	0.282	"	5.65	ND	123	25-150				
Perfluorohexanesulfonic acid (PFHxS)	5.01	0.282	"	5.14	ND	97.6	25-150				
Perfluorooctanoic acid (PFOA)	6.00	0.282	"	5.65	ND	106	25-150				
Perfluorooctanesulfonic acid (PFOS)	4.52	0.282	"	5.22	ND	86.6	25-150				
Perfluorononanoic acid (PFNA)	5.93	0.282	"	5.65	ND	105	25-150				
Perfluorodecanoic acid (PFDA)	6.17	0.282	"	5.65	ND	109	25-150				
Perfluoroundecanoic acid (PFUnA)	5.92	0.282	"	5.65	ND	105	25-150				
Perfluorododecanoic acid (PFDoA)	6.94	0.282	"	5.65	ND	123	25-150				
Perfluorotridecanoic acid (PFTrDA)	5.05	0.282	"	5.65	ND	89.5	25-150				
Perfluorotetradecanoic acid (PFTA)	6.39	0.282	"	5.65	ND	113	25-150				
N-MeFOSAA	6.21	0.282	"	5.65	ND	110	25-150				
N-EtFOSAA	5.44	0.282	"	5.65	ND	96.3	25-150				
Perfluoropentanoic acid (PFPeA)	6.37	0.282	"	5.65	ND	113	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.39	0.282	"	5.65	ND	95.4	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.36	0.282	"	5.39	ND	118	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.90	0.282	"	5.45	ND	71.5	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	5.81	0.282	"	5.36	ND	108	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	6.36	0.282	"	5.42	ND	117	25-200				
Perfluoro-n-butanoic acid (PFBA)	6.00	0.282	"	5.65	ND	106	25-150				
Surrogate: M3PFBS	*5.43*		*"*	*5.24*		*104*	*25-150*				
Surrogate: M5PFHxA	*4.80*		*"*	*5.65*		*85.0*	*25-150*				
Surrogate: M4PFHpA	*4.52*		*"*	*5.65*		*80.1*	*25-150*				
Surrogate: M3PFHxS	*5.88*		*"*	*5.34*		*110*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.67*		*"*	*5.65*		*82.7*	*25-150*				
Surrogate: M6PFDA	*3.38*		*"*	*5.65*		*59.9*	*25-150*				
Surrogate: M7PFUdA	*2.80*		*"*	*5.65*		*49.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.68*		*"*	*5.65*		*47.4*	*25-150*				
Surrogate: M2PFTeDA	*1.75*		*"*	*5.65*		*31.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.80*		*"*	*5.65*		*85.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.58*		*"*	*5.40*		*84.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.64*		*"*	*5.65*		*82.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.03*		*"*	*5.65*		*53.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.24*		*"*	*5.65*		*57.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.99*		*"*	*5.65*		*70.6*	*25-150*				
Surrogate: M2-6:2 FTS	*12.2*		*"*	*5.36*		*227*	*25-200*				
Surrogate: M2-8:2 FTS	*9.82*		*"*	*5.41*		*182*	*25-200*				
Surrogate: M9PFNA	*3.87*		*"*	*5.65*		*68.5*	*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 BK21122 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BK21122-MSD1)	*Source sample: 22K0807-05 (SB-3 0-4 20221114)								Prepared: 11/17/2022 Analyzed: 11/21/2022		
Perfluorobutanesulfonic acid (PFBS)	5.15	0.273	ug/kg dry	4.84	ND	106	25-150		2.00	35	
Perfluorohexanoic acid (PFHxA)	5.96	0.273	"	5.46	ND	109	25-150		0.946	35	
Perfluoroheptanoic acid (PFHpA)	6.37	0.273	"	5.46	ND	117	25-150		8.50	35	
Perfluorohexanesulfonic acid (PFHxS)	4.71	0.273	"	4.97	ND	94.6	25-150		6.31	35	
Perfluorooctanoic acid (PFOA)	5.95	0.273	"	5.46	ND	109	25-150		0.875	35	
Perfluorooctanesulfonic acid (PFOS)	5.17	0.273	"	5.05	ND	102	25-150		13.5	35	
Perfluorononanoic acid (PFNA)	5.09	0.273	"	5.46	ND	93.2	25-150		15.1	35	
Perfluorodecanoic acid (PFDA)	5.97	0.273	"	5.46	ND	109	25-150		3.35	35	
Perfluoroundecanoic acid (PFUnA)	5.52	0.273	"	5.46	ND	101	25-150		6.86	35	
Perfluorododecanoic acid (PFDoA)	6.74	0.273	"	5.46	ND	123	25-150		2.93	35	
Perfluorotridecanoic acid (PFTrDA)	5.46	0.273	"	5.46	ND	99.9	25-150		7.80	35	
Perfluorotetradecanoic acid (PFTA)	6.19	0.273	"	5.46	ND	113	25-150		3.15	35	
N-MeFOSAA	5.45	0.273	"	5.46	ND	99.8	25-150		13.0	35	
N-EtFOSAA	5.88	0.273	"	5.46	ND	108	25-150		7.86	35	
Perfluoropentanoic acid (PFPeA)	6.34	0.273	"	5.46	ND	116	25-150		0.450	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.32	0.273	"	5.46	ND	97.4	25-150		1.17	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.11	0.273	"	5.22	ND	98.0	25-150		21.8	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.91	0.273	"	5.27	ND	74.1	25-150		0.316	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	6.29	0.273	"	5.19	ND	121	25-200		7.96	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	6.49	0.273	"	5.25	ND	124	25-200		1.99	35	
Perfluoro-n-butanoic acid (PFBA)	5.68	0.273	"	5.46	ND	104	25-150		5.40	35	
Surrogate: M3PFBS	*4.82*		*"*	*5.08*		*95.0*	*25-150*				
Surrogate: M5PFHxA	*4.44*		*"*	*5.46*		*81.3*	*25-150*				
Surrogate: M4PFHpA	*4.17*		*"*	*5.46*		*76.3*	*25-150*				
Surrogate: M3PFHxS	*5.45*		*"*	*5.17*		*105*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.12*		*"*	*5.46*		*75.4*	*25-150*				
Surrogate: M6PFDA	*2.95*		*"*	*5.46*		*53.9*	*25-150*				
Surrogate: M7PFUdA	*2.83*		*"*	*5.46*		*51.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.87*		*"*	*5.46*		*52.5*	*25-150*				
Surrogate: M2PFTeDA	*1.94*		*"*	*5.46*		*35.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.36*		*"*	*5.46*		*79.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.02*		*"*	*5.23*		*76.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.23*		*"*	*5.46*		*77.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.65*		*"*	*5.46*		*48.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.31*		*"*	*5.46*		*60.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.78*		*"*	*5.46*		*69.1*	*25-150*				
Surrogate: M2-6:2 FTS	*8.98*		*"*	*5.19*		*173*	*25-200*				
Surrogate: M2-8:2 FTS	*7.91*		*"*	*5.23*		*151*	*25-200*				
Surrogate: M9PFNA	*3.86*		*"*	*5.46*		*70.6*	*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 BK21241 - % Solids Prep											
Duplicate (BK21241-DUP1)	*Source sample: 22K0807-06 (SB-4 0-4 20221114)								Prepared & Analyzed: 11/19/2022		
% Solids	93.1	0.100	%		92.7				0.472	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.

PF-CCV-L The CCV recovery was slightly below acceptable limits for the qualified compound. However, sample results are not biased low because results are corrected for isotope recovery.

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.
MCL	This is the Maximum Contaminant Level in ng/L (ppt) establised by the NYSDOH for these compounds wheree an MCL is reported. Exceedences are flagged according.

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615 | 132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This 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.

YORK Project No.: 22K0807

Page ____ of ____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: PVE Engineering	Company:	Company:	20220541	RUSH - Next Day
Address: 98 Springfield Ave Poughkeepsie, NY 12603	Address: Same	Address: Same	YOUR Project Name: 20220541	RUSH - Two Day
Phone.: 845-434-2344	Phone.:	Phone.:		RUSH - Three Day
Contact: Trevor Taylor	Contact: Same	Contact: Tara Alvarado		RUSH - Four Day
E-mail: ttaylor@pveall.com	E-mail: Same	E-mail: talvarado@pveall.com	YOUR PO#: 20220541	Standard (5-7 Day) X

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.

Trevor Taylor

Samples Collected by: (print your name above and sign below)

Matrix Codes
S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil ⋮ Other

Samples From
New York X
New Jersey
Connecticut
Pennsylvania
Other

Report / EDD Type (circle selections)
Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EB 20221114	W	11/14/22 9:20	PFAS (NY 21 list) via 537.1M	1 Plastic 125mL (each)
FB 20221114	W	9:45		
SB-1 0-4 20221114	S	9:50		
SB-2 0-4 20221114		10:10		
SB-3 0-4 20221114		10:20		
SB-4 0-4 20221114		10:40		
SB-5 0-4 20221114		11:00		
SB-6 0-4 20221114		11:15		
SB-7 0-4 20221114		11:30		
SB-8 0-4 20221114		11:50		

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ____
Lab to Filter ____

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
PVE	11-15-22 9:00	Client York	11-15-22 9:00	Client York	11-15-22 1505
Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				[illegible]	11/15/22 1505 / 4.0 Degrees C

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615 | 132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This 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.

YORK Project No. 22K0807

Page ____ of ____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: PVE Engineering	Company:	Company:	20220641	RUSH - Next Day
Address: 46 Spring Side Avenue Poughkeepsie, NY 12603	Address: Same	Address: Same	YOUR Project Name 20220641	RUSH - Two Day
Phone.: 845 434-2544	Phone.:	Phone.:		RUSH - Three Day
Contact: Trevor Trigo	Contact:	Contact: Tara Alvarado		RUSH - Four Day
E-mail: ttrigo@pvellc.com	E-mail: Same	E-mail: talvarado@pvellc.com		Standard (5-7 Day) X

YOUR PO#: 20220641-PFAS

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.

Trevor Trigo

Samples Collected by: (print your name above and sign below)

Matrix Codes
S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From
New York X
New Jersey
Connecticut
Pennsylvania
Other

Report / EDD Type (circle selections)
~~Summary Report~~ | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | ~~NYSDEC EQuIS~~
NY ASP B Package | NJDKQP | NJDEP SRP HazSite
Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB-8 4-8 20221114	S	11/14/22 12:00	PFAS (NY 21 ISL) via 537.1M,	1 125 mL Plastic (each)
SB-9 0-4 20221114		12:15		
SB-9 4-8 20221114		12:20		
SB-10 0-4 20221114		12:50		
SB-10 4-8 20221114		13:00		
SB-11 0-4 20221114		13:15		
SB-11 4-8 20221114		13:20		
SB-12 0-4 20221114		13:40		

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ____
Lab to Filter ____

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
PVE	11-15-22 9:00	Client York	11-15-22 9:00	Client York	11-15-22 1505
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				BB	11/15/22 1505 / 4.0 Degrees C

Technical Report

prepared for:

PVE, LLC.
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Trevor Treglia

Report Date: 11/28/2022
Client Project ID: 20220641
York Project (SDG) No.: 22K0939

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

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@yorklab.com

Report Date: 11/28/2022
Client Project ID: 20220641
York Project (SDG) No.: 22K0939

PVE, LLC.
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Trevor Treglia

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 November 17, 2022 and listed below. The project was identified as your project: **20220641**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22K0939-01	SB-13 0-4 20221115	Soil	11/15/2022	11/17/2022
22K0939-02	FB 20221115	Water	11/15/2022	11/17/2022
22K0939-03	SB-14 0-4 20221115	Soil	11/15/2022	11/17/2022
22K0939-04	SB-14 4-8 20221115	Soil	11/15/2022	11/17/2022
22K0939-05	SB-15 0-4 20221115	Soil	11/15/2022	11/17/2022
22K0939-06	SB-16 0-4 20221115	Soil	11/15/2022	11/17/2022
22K0939-07	SB-16 4-8 20221115	Soil	11/15/2022	11/17/2022
22K0939-08	SB-17 0-4 20221115	Soil	11/15/2022	11/17/2022
22K0939-09	SB-18 0-4 20221115	Soil	11/15/2022	11/17/2022
22K0939-10	SB-18 4-8 20221115	Soil	11/15/2022	11/17/2022
22K0939-11	SB-19 0-4 20221115	Soil	11/15/2022	11/17/2022
22K0939-12	SB-19 4-8 20221115	Soil	11/15/2022	11/17/2022
22K0939-13	SB-20 0-4 20221115	Soil	11/15/2022	11/17/2022
22K0939-14	SB-21 0-4 20221115	Soil	11/15/2022	11/17/2022
22K0939-15	SB-21 4-8 20221115	Soil	11/15/2022	11/17/2022
22K0939-16	SB-22 0-4 20221115	Soil	11/15/2022	11/17/2022
22K0939-17	SB-23 0-4 20221115	Soil	11/15/2022	11/17/2022
22K0939-18	SB-24 0-4 20221115	Soil	11/15/2022	11/17/2022
22K0939-19	SB-25 0-4 20221115	Soil	11/15/2022	11/17/2022
22K0939-20	SB-26 0-4 20221115	Soil	11/15/2022	11/17/2022

General Notes for York Project (SDG) No.: 22K0939

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; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:  **Date:** 11/28/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SB-13 0-4 20221115 **York Sample ID:** 22K0939-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 9:10 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV -L	ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV -L	ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:45	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*74.7 %*	*25-150*

Sample Information

Client Sample ID: SB-13 0-4 20221115 **York Sample ID:** 22K0939-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 9:10 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*73.3 %*			*25-150*					
	Surrogate: M4PFHpA	*68.4 %*			*25-150*					
	Surrogate: M3PFHxS	*71.7 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*79.6 %*			*25-150*					
	Surrogate: M6PFDA	*57.5 %*			*25-150*					
	Surrogate: M7PFUdA	*46.9 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*38.3 %*			*25-150*					
	Surrogate: M2PFTeDA	*30.8 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*63.6 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*75.8 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*75.6 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*40.3 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*45.4 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*53.2 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*103 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*72.7 %*			*25-200*					
	Surrogate: M9PFNA	*61.9 %*			*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**	**89.7**		%	0.100	1	SM 2540G	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: FB 20221115 **York Sample ID:** 22K0939-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Water	November 15, 2022 9:10 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **FB 20221115** **York Sample ID:** **22K0939-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Water	November 15, 2022 9:10 am	11/17/2022

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV -L	ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.46	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.79	1	EPA 537m Certifications:	11/17/2022 15:26	11/18/2022 23:32	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*75.5 %*	*25-150*
Surrogate: M5PFHxA	*77.8 %*	*25-150*
Surrogate: M4PFHpA	*76.3 %*	*25-150*

Sample Information

Client Sample ID: FB 20221115 **York Sample ID:** 22K0939-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Water	November 15, 2022 9:10 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFHxS	*77.6 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*86.7 %*		*25-150*						
	Surrogate: M6PFDA	*80.2 %*		*25-150*						
	Surrogate: M7PFUdA	*73.9 %*		*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*74.1 %*		*25-150*						
	Surrogate: M2PFTeDA	*62.7 %*		*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*67.9 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*89.1 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*78.8 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*51.1 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*71.4 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*67.9 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*102 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*78.9 %*		*25-200*						
	Surrogate: M9PFNA	*83.7 %*		*25-150*						

Sample Information

Client Sample ID: SB-14 0-4 20221115 **York Sample ID:** 22K0939-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 9:25 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL

Sample Information

Client Sample ID: SB-14 0-4 20221115 **York Sample ID:** 22K0939-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 9:25 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 15:58	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*76.7 %*	*25-150*
Surrogate: M5PFHxA	*73.0 %*	*25-150*
Surrogate: M4PFHpA	*70.0 %*	*25-150*
Surrogate: M3PFHxS	*78.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*77.5 %*	*25-150*
Surrogate: M6PFDA	*55.5 %*	*25-150*
Surrogate: M7PFUdA	*49.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*41.0 %*	*25-150*
Surrogate: M2PFTeDA	*31.8 %*	*10-150*

Sample Information

Client Sample ID: SB-14 0-4 20221115 **York Sample ID:** 22K0939-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 9:25 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*63.4 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*65.4 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*75.8 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*38.4 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*57.6 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*54.7 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*92.1 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*84.9 %*		*25-200*						
	Surrogate: M9PFNA	*76.2 %*		*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**	**89.7**		%	0.100	1	SM 2540G	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-14 4-8 20221115 **York Sample ID:** 22K0939-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 9:30 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL

Sample Information

Client Sample ID: SB-14 4-8 20221115 **York Sample ID:** 22K0939-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 9:30 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:11	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*78.6 %*	*25-150*
Surrogate: M5PFHxA	*67.5 %*	*25-150*
Surrogate: M4PFHpA	*63.4 %*	*25-150*
Surrogate: M3PFHxS	*84.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*72.5 %*	*25-150*
Surrogate: M6PFDA	*45.5 %*	*25-150*
Surrogate: M7PFUdA	*43.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*34.5 %*	*25-150*
Surrogate: M2PFTeDA	*30.1 %*	*10-150*

Sample Information

Client Sample ID: SB-14 4-8 20221115 **York Sample ID:** 22K0939-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 9:30 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*58.0 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*60.0 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*69.7 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*39.4 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*48.8 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*54.5 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*181 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*112 %*		*25-200*						
	Surrogate: M9PFNA	*58.0 %*		*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	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-15 0-4 20221115 **York Sample ID:** 22K0939-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 9:50 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL

Sample Information

Client Sample ID: SB-15 0-4 20221115 **York Sample ID:** 22K0939-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 9:50 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:24	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*70.7 %*	*25-150*
Surrogate: M5PFHxA	*72.0 %*	*25-150*
Surrogate: M4PFHpA	*71.6 %*	*25-150*
Surrogate: M3PFHxS	*83.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*81.6 %*	*25-150*
Surrogate: M6PFDA	*62.2 %*	*25-150*
Surrogate: M7PFUdA	*51.3 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*44.7 %*	*25-150*
Surrogate: M2PFTeDA	*36.7 %*	*10-150*

Sample Information

Client Sample ID: SB-15 0-4 20221115 **York Sample ID:** 22K0939-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 9:50 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*60.4 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*74.4 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*73.7 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*29.7 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*47.8 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*54.0 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*76.8 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*69.4 %*		*25-200*						
	Surrogate: M9PFNA	*69.7 %*		*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**	**88.6**		%	0.100	1	SM 2540G	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-16 0-4 20221115 **York Sample ID:** 22K0939-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 10:10 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL

Sample Information

Client Sample ID: SB-16 0-4 20221115 **York Sample ID:** 22K0939-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 10:10 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:37	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*88.1 %*	*25-150*
Surrogate: M5PFHxA	*78.0 %*	*25-150*
Surrogate: M4PFHpA	*75.1 %*	*25-150*
Surrogate: M3PFHxS	*97.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*86.4 %*	*25-150*
Surrogate: M6PFDA	*56.2 %*	*25-150*
Surrogate: M7PFUdA	*50.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*51.5 %*	*25-150*
Surrogate: M2PFTeDA	*41.3 %*	*10-150*

Sample Information

Client Sample ID: SB-16 0-4 20221115 **York Sample ID:** 22K0939-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 10:10 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*67.4 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*71.2 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*79.3 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*36.6 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*57.2 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*54.5 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*150 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*130 %*		*25-200*						
	Surrogate: M9PFNA	*71.5 %*		*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**	**89.4**		%	0.100	1	SM 2540G	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-16 4-8 20221115 **York Sample ID:** 22K0939-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 10:25 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL

Sample Information

Client Sample ID: SB-16 4-8 20221115 **York Sample ID:** 22K0939-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 10:25 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 16:50	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*72.4 %*	*25-150*
Surrogate: M5PFHxA	*67.5 %*	*25-150*
Surrogate: M4PFHpA	*58.8 %*	*25-150*
Surrogate: M3PFHxS	*70.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*67.8 %*	*25-150*
Surrogate: M6PFDA	*49.2 %*	*25-150*
Surrogate: M7PFUdA	*40.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*34.6 %*	*25-150*
Surrogate: M2PFTeDA	*25.0 %*	*10-150*

Sample Information

Client Sample ID: SB-16 4-8 20221115 **York Sample ID:** 22K0939-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 10:25 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*55.8 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*58.7 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*65.7 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*39.1 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*44.7 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*42.4 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*129 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*82.3 %*		*25-200*						
	Surrogate: M9PFNA	*56.5 %*		*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**	**85.2**		%	0.100	1	SM 2540G	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-17 0-4 20221115 **York Sample ID:** 22K0939-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 10:40 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL

Sample Information

Client Sample ID: SB-17 0-4 20221115 **York Sample ID:** 22K0939-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 10:40 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:16	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*71.3 %*	*25-150*
Surrogate: M5PFHxA	*69.4 %*	*25-150*
Surrogate: M4PFHpA	*66.4 %*	*25-150*
Surrogate: M3PFHxS	*91.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.2 %*	*25-150*
Surrogate: M6PFDA	*56.5 %*	*25-150*
Surrogate: M7PFUdA	*44.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*38.0 %*	*25-150*
Surrogate: M2PFTeDA	*32.6 %*	*10-150*

Sample Information

Client Sample ID: SB-17 0-4 20221115 **York Sample ID:** 22K0939-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 10:40 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*61.1 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*78.1 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*73.2 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*31.9 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*50.0 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*52.1 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*143 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*105 %*		*25-200*						
	Surrogate: M9PFNA	*72.7 %*		*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**	**91.5**		%	0.100	1	SM 2540G	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-18 0-4 20221115 **York Sample ID:** 22K0939-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 10:55 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL

Sample Information

Client Sample ID: SB-18 0-4 20221115 **York Sample ID:** 22K0939-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 10:55 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:29	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*75.5 %*	*25-150*
Surrogate: M5PFHxA	*71.2 %*	*25-150*
Surrogate: M4PFHpA	*68.6 %*	*25-150*
Surrogate: M3PFHxS	*76.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*71.4 %*	*25-150*
Surrogate: M6PFDA	*47.8 %*	*25-150*
Surrogate: M7PFUdA	*42.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*35.2 %*	*25-150*
Surrogate: M2PFTeDA	*23.2 %*	*10-150*

Sample Information

Client Sample ID: SB-18 0-4 20221115 **York Sample ID:** 22K0939-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 10:55 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*58.4 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*60.8 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*71.2 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*31.5 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*42.4 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*41.3 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*84.6 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*79.0 %*		*25-200*						
	Surrogate: M9PFNA	*62.4 %*		*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**	**89.1**		%	0.100	1	SM 2540G	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-18 4-8 20221115 **York Sample ID:** 22K0939-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 11:05 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL

Sample Information

Client Sample ID: SB-18 4-8 20221115 **York Sample ID:** 22K0939-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 11:05 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:42	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*79.7 %*	*25-150*
Surrogate: M5PFHxA	*74.3 %*	*25-150*
Surrogate: M4PFHpA	*79.3 %*	*25-150*
Surrogate: M3PFHxS	*87.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*85.3 %*	*25-150*
Surrogate: M6PFDA	*55.8 %*	*25-150*
Surrogate: M7PFUdA	*38.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*35.2 %*	*25-150*
Surrogate: M2PFTeDA	*27.3 %*	*10-150*

Sample Information

Client Sample ID: SB-18 4-8 20221115 **York Sample ID:** 22K0939-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 11:05 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*65.2 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*57.7 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*80.2 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*26.4 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*36.7 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*45.8 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*94.3 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*90.6 %*		*25-200*						
	Surrogate: M9PFNA	*73.6 %*		*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**	**84.1**		%	0.100	1	SM 2540G	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-19 0-4 20221115 **York Sample ID:** 22K0939-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 11:25 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL

Sample Information

Client Sample ID: SB-19 0-4 20221115 **York Sample ID:** 22K0939-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 11:25 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 17:55	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*75.9 %*	*25-150*
Surrogate: M5PFHxA	*71.0 %*	*25-150*
Surrogate: M4PFHpA	*68.1 %*	*25-150*
Surrogate: M3PFHxS	*79.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*79.3 %*	*25-150*
Surrogate: M6PFDA	*57.7 %*	*25-150*
Surrogate: M7PFUdA	*37.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*30.1 %*	*25-150*
Surrogate: M2PFTeDA	*30.9 %*	*10-150*

Sample Information

Client Sample ID: SB-19 0-4 20221115 **York Sample ID:** 22K0939-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 11:25 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*59.4 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*71.2 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*71.1 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*15.5 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*33.7 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*47.4 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*106 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*111 %*		*25-200*						
	Surrogate: M9PFNA	*70.9 %*		*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**	**91.7**		%	0.100	1	SM 2540G	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-19 4-8 20221115 **York Sample ID:** 22K0939-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 11:35 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL

Sample Information

Client Sample ID: SB-19 4-8 20221115 **York Sample ID:** 22K0939-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 11:35 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:08	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*73.0 %*	*25-150*
Surrogate: M5PFHxA	*67.6 %*	*25-150*
Surrogate: M4PFHpA	*65.6 %*	*25-150*
Surrogate: M3PFHxS	*79.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*81.4 %*	*25-150*
Surrogate: M6PFDA	*50.3 %*	*25-150*
Surrogate: M7PFUdA	*36.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*33.2 %*	*25-150*
Surrogate: M2PFTeDA	*29.8 %*	*10-150*

Sample Information

Client Sample ID: SB-19 4-8 20221115 **York Sample ID:** 22K0939-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 11:35 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*59.0 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*67.5 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*69.4 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*22.5 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*39.2 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*48.0 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*148 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*112 %*		*25-200*						
	Surrogate: M9PFNA	*64.4 %*		*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**	**87.0**		%	0.100	1	SM 2540G	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-20 0-4 20221115 **York Sample ID:** 22K0939-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 11:50 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL

Sample Information

Client Sample ID: SB-20 0-4 20221115 **York Sample ID:** 22K0939-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 11:50 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.347**		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:21	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*74.2 %*	*25-150*
Surrogate: M5PFHxA	*72.4 %*	*25-150*
Surrogate: M4PFHpA	*74.3 %*	*25-150*
Surrogate: M3PFHxS	*77.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*82.1 %*	*25-150*
Surrogate: M6PFDA	*49.4 %*	*25-150*
Surrogate: M7PFUdA	*35.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*40.5 %*	*25-150*
Surrogate: M2PFTeDA	*30.6 %*	*10-150*

Sample Information

Client Sample ID: SB-20 0-4 20221115 **York Sample ID:** 22K0939-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 11:50 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*65.2 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*67.2 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*70.1 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*27.8 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*44.5 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*56.1 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*78.2 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*81.3 %*		*25-200*						
	Surrogate: M9PFNA	*68.7 %*		*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**	**88.3**		%	0.100	1	SM 2540G	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-21 0-4 20221115 **York Sample ID:** 22K0939-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 12:10 pm	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL

Sample Information

Client Sample ID: SB-21 0-4 20221115 **York Sample ID:** 22K0939-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 12:10 pm	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:34	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*83.1 %*	*25-150*
Surrogate: M5PFHxA	*73.2 %*	*25-150*
Surrogate: M4PFHpA	*78.8 %*	*25-150*
Surrogate: M3PFHxS	*87.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*74.5 %*	*25-150*
Surrogate: M6PFDA	*44.8 %*	*25-150*
Surrogate: M7PFUdA	*37.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*37.1 %*	*25-150*
Surrogate: M2PFTeDA	*22.8 %*	*10-150*

Sample Information

Client Sample ID: SB-21 0-4 20221115 **York Sample ID:** 22K0939-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 12:10 pm	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*64.3 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*60.2 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*74.8 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*33.5 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*38.1 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*56.0 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*119 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*93.6 %*		*25-200*						
	Surrogate: M9PFNA	*59.0 %*		*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**	**89.8**		%	0.100	1	SM 2540G	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-21 4-8 20221115 **York Sample ID:** 22K0939-15

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 12:15 pm	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL

Sample Information

Client Sample ID: SB-21 4-8 20221115 **York Sample ID:** 22K0939-15

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 12:15 pm	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:47	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*84.6 %*	*25-150*
Surrogate: M5PFHxA	*76.9 %*	*25-150*
Surrogate: M4PFHpA	*80.2 %*	*25-150*
Surrogate: M3PFHxS	*83.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*84.3 %*	*25-150*
Surrogate: M6PFDA	*46.1 %*	*25-150*
Surrogate: M7PFUdA	*40.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*33.7 %*	*25-150*
Surrogate: M2PFTeDA	*24.3 %*	*10-150*

Sample Information

Client Sample ID: SB-21 4-8 20221115 **York Sample ID:** 22K0939-15

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 12:15 pm	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*67.8 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*61.2 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*75.4 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*32.6 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*47.1 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*40.5 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*150 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*98.5 %*		*25-200*						
	Surrogate: M9PFNA	*67.8 %*		*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**	**88.0**		%	0.100	1	SM 2540G	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-22 0-4 20221115 **York Sample ID:** 22K0939-16

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 12:35 pm	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL

Sample Information

Client Sample ID: SB-22 0-4 20221115 **York Sample ID:** 22K0939-16

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 12:35 pm	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.256	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 18:59	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*81.6 %*	*25-150*
Surrogate: M5PFHxA	*72.2 %*	*25-150*
Surrogate: M4PFHpA	*73.3 %*	*25-150*
Surrogate: M3PFHxS	*85.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*76.9 %*	*25-150*
Surrogate: M6PFDA	*46.8 %*	*25-150*
Surrogate: M7PFUdA	*35.0 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*33.3 %*	*25-150*
Surrogate: M2PFTeDA	*21.5 %*	*10-150*

Sample Information

Client Sample ID: SB-22 0-4 20221115 **York Sample ID:** 22K0939-16

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 12:35 pm	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*64.6 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*65.6 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*71.8 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*32.1 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*41.6 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*45.6 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*140 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*90.9 %*		*25-200*						
	Surrogate: M9PFNA	*67.5 %*		*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**	**90.7**		%	0.100	1	SM 2540G	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-23 0-4 20221115 **York Sample ID:** 22K0939-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 12:50 pm	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL

Sample Information

Client Sample ID: SB-23 0-4 20221115 **York Sample ID:** 22K0939-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 12:50 pm	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:12	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*82.7 %*	*25-150*
Surrogate: M5PFHxA	*74.3 %*	*25-150*
Surrogate: M4PFHpA	*70.4 %*	*25-150*
Surrogate: M3PFHxS	*80.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*84.3 %*	*25-150*
Surrogate: M6PFDA	*54.3 %*	*25-150*
Surrogate: M7PFUdA	*42.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*44.6 %*	*25-150*
Surrogate: M2PFTeDA	*35.2 %*	*10-150*

Sample Information

Client Sample ID: SB-23 0-4 20221115 **York Sample ID:** 22K0939-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 12:50 pm	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*68.1 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*69.2 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*72.3 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*34.9 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*50.2 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*70.2 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*149 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*112 %*		*25-200*						
	Surrogate: M9PFNA	*68.9 %*		*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**	**88.1**		%	0.100	1	SM 2540G	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-24 0-4 20221115 **York Sample ID:** 22K0939-18

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 1:00 pm	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL

Sample Information

Client Sample ID: SB-24 0-4 20221115 **York Sample ID:** 22K0939-18

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 1:00 pm	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:38	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*81.2 %*	*25-150*
Surrogate: M5PFHxA	*79.5 %*	*25-150*
Surrogate: M4PFHpA	*76.4 %*	*25-150*
Surrogate: M3PFHxS	*98.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*87.9 %*	*25-150*
Surrogate: M6PFDA	*60.4 %*	*25-150*
Surrogate: M7PFUdA	*38.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*37.9 %*	*25-150*
Surrogate: M2PFTeDA	*33.5 %*	*10-150*

Sample Information

Client Sample ID: SB-24 0-4 20221115 **York Sample ID:** 22K0939-18

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 1:00 pm	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*67.3 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*75.4 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*79.2 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*34.2 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*39.2 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*61.1 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*123 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*114 %*		*25-200*						
	Surrogate: M9PFNA	*82.1 %*		*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**	**90.1**		%	0.100	1	SM 2540G	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-25 0-4 20221115 **York Sample ID:** 22K0939-19

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 1:10 pm	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL

Sample Information

Client Sample ID: SB-25 0-4 20221115 **York Sample ID:** 22K0939-19

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 1:10 pm	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 19:52	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*87.5 %*	*25-150*
Surrogate: M5PFHxA	*75.2 %*	*25-150*
Surrogate: M4PFHpA	*76.9 %*	*25-150*
Surrogate: M3PFHxS	*85.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*81.2 %*	*25-150*
Surrogate: M6PFDA	*53.1 %*	*25-150*
Surrogate: M7PFUdA	*43.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*46.7 %*	*25-150*
Surrogate: M2PFTeDA	*38.0 %*	*10-150*

Sample Information

Client Sample ID: SB-25 0-4 20221115 **York Sample ID:** 22K0939-19

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 1:10 pm	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*68.8 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*73.6 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.7 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*35.2 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*51.0 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*69.5 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*186 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*150 %*		*25-200*						
	Surrogate: M9PFNA	*69.6 %*		*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**	**87.4**		%	0.100	1	SM 2540G	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-26 0-4 20221115 **York Sample ID:** 22K0939-20

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 1:20 pm	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL

Sample Information

Client Sample ID: SB-26 0-4 20221115 **York Sample ID:** 22K0939-20

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 1:20 pm	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	11/21/2022 16:39	11/24/2022 20:30	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*80.0 %*	*25-150*
Surrogate: M5PFHxA	*74.4 %*	*25-150*
Surrogate: M4PFHpA	*77.2 %*	*25-150*
Surrogate: M3PFHxS	*87.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*82.3 %*	*25-150*
Surrogate: M6PFDA	*62.2 %*	*25-150*
Surrogate: M7PFUdA	*43.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*48.6 %*	*25-150*
Surrogate: M2PFTeDA	*35.3 %*	*10-150*

Sample Information

Client Sample ID: SB-26 0-4 20221115 **York Sample ID:** 22K0939-20

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0939	20220641	Soil	November 15, 2022 1:20 pm	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*69.0 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*71.2 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*73.9 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*41.2 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*53.7 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*76.1 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*131 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*122 %*			*25-200*					
	Surrogate: M9PFNA	*70.0 %*			*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**	**90.2**		%	0.100	1	SM 2540G	11/22/2022 12:43	11/22/2022 16:46	YR
							Certifications: CTDOH-PH-0723			

Analytical Batch Summary

Batch ID: BK21120 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WJH

YORK Sample ID	Client Sample ID	Preparation Date
22K0939-02	FB 20221115	11/17/22
BK21120-BLK1	Blank	11/17/22
BK21120-BS1	LCS	11/17/22
BK21120-BSD1	LCS Dup	11/17/22

Batch ID: BK21336 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** BAMW

YORK Sample ID	Client Sample ID	Preparation Date
22K0939-01	SB-13 0-4 20221115	11/21/22
22K0939-03	SB-14 0-4 20221115	11/21/22
22K0939-04	SB-14 4-8 20221115	11/21/22
22K0939-05	SB-15 0-4 20221115	11/21/22
22K0939-06	SB-16 0-4 20221115	11/21/22
22K0939-07	SB-16 4-8 20221115	11/21/22
22K0939-08	SB-17 0-4 20221115	11/21/22
22K0939-09	SB-18 0-4 20221115	11/21/22
22K0939-10	SB-18 4-8 20221115	11/21/22
22K0939-11	SB-19 0-4 20221115	11/21/22
22K0939-12	SB-19 4-8 20221115	11/21/22
22K0939-13	SB-20 0-4 20221115	11/21/22
22K0939-14	SB-21 0-4 20221115	11/21/22
22K0939-15	SB-21 4-8 20221115	11/21/22
22K0939-16	SB-22 0-4 20221115	11/21/22
22K0939-17	SB-23 0-4 20221115	11/21/22
22K0939-18	SB-24 0-4 20221115	11/21/22
22K0939-19	SB-25 0-4 20221115	11/21/22
22K0939-20	SB-26 0-4 20221115	11/21/22
BK21336-BLK1	Blank	11/21/22
BK21336-BS1	LCS	11/21/22
BK21336-MS1	Matrix Spike	11/21/22
BK21336-MSD1	Matrix Spike Dup	11/21/22

Batch ID: BK21414 **Preparation Method:** % Solids Prep **Prepared By:** YR

YORK Sample ID	Client Sample ID	Preparation Date
22K0939-01	SB-13 0-4 20221115	11/22/22
22K0939-03	SB-14 0-4 20221115	11/22/22
22K0939-04	SB-14 4-8 20221115	11/22/22
22K0939-05	SB-15 0-4 20221115	11/22/22
22K0939-06	SB-16 0-4 20221115	11/22/22
22K0939-07	SB-16 4-8 20221115	11/22/22
22K0939-08	SB-17 0-4 20221115	11/22/22
22K0939-09	SB-18 0-4 20221115	11/22/22
22K0939-10	SB-18 4-8 20221115	11/22/22
22K0939-11	SB-19 0-4 20221115	11/22/22

22K0939-12	SB-19 4-8 20221115	11/22/22
22K0939-13	SB-20 0-4 20221115	11/22/22
22K0939-14	SB-21 0-4 20221115	11/22/22
22K0939-15	SB-21 4-8 20221115	11/22/22
22K0939-16	SB-22 0-4 20221115	11/22/22
22K0939-17	SB-23 0-4 20221115	11/22/22
22K0939-18	SB-24 0-4 20221115	11/22/22
22K0939-19	SB-25 0-4 20221115	11/22/22
22K0939-20	SB-26 0-4 20221115	11/22/22
BK21414-DUP1	Duplicate	11/22/22

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 BK21120 - SPE Ext-PFAS-EPA 537.1M											
Blank (BK21120-BLK1)											
Prepared: 11/17/2022 Analyzed: 11/18/2022											
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*57.3*		*"*	*74.3*		*77.1*	*25-150*				
Surrogate: M5PFHxA	*69.1*		*"*	*80.0*		*86.4*	*25-150*				
Surrogate: M4PFHpA	*70.8*		*"*	*80.0*		*88.5*	*25-150*				
Surrogate: M3PFHxS	*70.1*		*"*	*75.7*		*92.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*75.1*		*"*	*80.0*		*93.8*	*25-150*				
Surrogate: M6PFDA	*71.9*		*"*	*80.0*		*89.9*	*25-150*				
Surrogate: M7PFUdA	*66.6*		*"*	*80.0*		*83.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*57.9*		*"*	*80.0*		*72.4*	*25-150*				
Surrogate: M2PFTeDA	*56.0*		*"*	*80.0*		*70.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*60.5*		*"*	*80.0*		*75.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*77.3*		*"*	*76.6*		*101*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*68.6*		*"*	*80.0*		*85.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*37.6*		*"*	*80.0*		*47.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*63.4*		*"*	*80.0*		*79.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*62.5*		*"*	*80.0*		*78.1*	*25-150*				
Surrogate: M2-6:2 FTS	*78.5*		*"*	*75.9*		*103*	*25-200*				
Surrogate: M2-8:2 FTS	*85.3*		*"*	*76.6*		*111*	*25-200*				
Surrogate: M9PFNA	*76.3*		*"*	*80.0*		*95.4*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK21120 - SPE Ext-PFAS-EPA 537.1M											
LCS (BK21120-BS1)									Prepared: 11/17/2022 Analyzed: 11/18/2022		
Perfluorobutanesulfonic acid (PFBS)	74.6	2.00	ng/L	70.8		105	50-130				
Perfluorohexanoic acid (PFHxA)	88.7	2.00	"	80.0		111	50-130				
Perfluoroheptanoic acid (PFHpA)	95.0	2.00	"	80.0		119	50-130				
Perfluorohexanesulfonic acid (PFHxS)	77.0	2.00	"	72.8		106	50-130				
Perfluorooctanoic acid (PFOA)	83.6	2.00	"	80.0		104	50-130				
Perfluorooctanesulfonic acid (PFOS)	72.0	2.00	"	74.0		97.3	50-130				
Perfluorononanoic acid (PFNA)	83.4	2.00	"	80.0		104	50-130				
Perfluorodecanoic acid (PFDA)	89.6	2.00	"	80.0		112	50-130				
Perfluoroundecanoic acid (PFUnA)	88.1	2.00	"	80.0		110	50-130				
Perfluorododecanoic acid (PFDoA)	88.0	2.00	"	80.0		110	50-130				
Perfluorotridecanoic acid (PFTrDA)	82.2	2.00	"	80.0		103	50-130				
Perfluorotetradecanoic acid (PFTA)	88.9	2.00	"	80.0		111	50-130				
N-MeFOSAA	79.6	2.00	"	80.0		99.5	50-130				
N-EtFOSAA	78.1	2.00	"	80.0		97.6	50-130				
Perfluoropentanoic acid (PFPeA)	89.4	2.00	"	80.0		112	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	77.2	2.00	"	80.0		96.5	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	65.4	2.00	"	76.4		85.7	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	71.2	2.00	"	77.2		92.2	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	73.5	5.00	"	76.0		96.7	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	83.2	2.00	"	76.8		108	50-175				
Perfluoro-n-butanoic acid (PFBA)	86.5	2.00	"	80.0		108	50-130				
Surrogate: M3PFBS	*52.9*		"	*74.3*		*71.2*	*25-150*				
Surrogate: M5PFHxA	*61.3*		"	*80.0*		*76.6*	*25-150*				
Surrogate: M4PFHpA	*62.0*		"	*80.0*		*77.5*	*25-150*				
Surrogate: M3PFHxS	*60.6*		"	*75.7*		*80.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*69.2*		"	*80.0*		*86.5*	*25-150*				
Surrogate: M6PFDA	*62.2*		"	*80.0*		*77.8*	*25-150*				
Surrogate: M7PFUdA	*58.0*		"	*80.0*		*72.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*57.5*		"	*80.0*		*71.9*	*25-150*				
Surrogate: M2PFTeDA	*47.1*		"	*80.0*		*58.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*56.4*		"	*80.0*		*70.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*67.9*		"	*76.6*		*88.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*64.1*		"	*80.0*		*80.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*37.5*		"	*80.0*		*46.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*57.4*		"	*80.0*		*71.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*53.9*		"	*80.0*		*67.4*	*25-150*				
Surrogate: M2-6:2 FTS	*75.6*		"	*75.9*		*99.6*	*25-200*				
Surrogate: M2-8:2 FTS	*73.8*		"	*76.6*		*96.3*	*25-200*				
Surrogate: M9PFNA	*65.6*		"	*80.0*		*82.0*	*25-150*				

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

York Analytical Laboratories, Inc. - Stratford

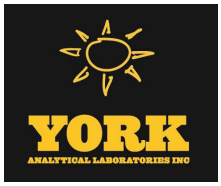
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK21120 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BK21120-BSD1)								Prepared: 11/17/2022 Analyzed: 11/18/2022			
Perfluorobutanesulfonic acid (PFBS)	86.9	2.00	ng/L	70.8		123	50-130		15.1	30	
Perfluorohexanoic acid (PFHxA)	95.7	2.00	"	80.0		120	50-130		7.64	30	
Perfluoroheptanoic acid (PFHpA)	102	2.00	"	80.0		128	50-130		7.23	30	
Perfluorohexanesulfonic acid (PFHxS)	83.8	2.00	"	72.8		115	50-130		8.44	30	
Perfluorooctanoic acid (PFOA)	98.9	2.00	"	80.0		124	50-130		16.8	30	
Perfluorooctanesulfonic acid (PFOS)	75.8	2.00	"	74.0		102	50-130		5.22	30	
Perfluorononanoic acid (PFNA)	81.9	2.00	"	80.0		102	50-130		1.82	30	
Perfluorodecanoic acid (PFDA)	98.4	2.00	"	80.0		123	50-130		9.41	30	
Perfluoroundecanoic acid (PFUnA)	96.0	2.00	"	80.0		120	50-130		8.57	30	
Perfluorododecanoic acid (PFDoA)	98.0	2.00	"	80.0		123	50-130		10.8	30	
Perfluorotridecanoic acid (PFTrDA)	95.6	2.00	"	80.0		119	50-130		15.0	30	
Perfluorotetradecanoic acid (PFTA)	96.7	2.00	"	80.0		121	50-130		8.37	30	
N-MeFOSAA	88.5	2.00	"	80.0		111	50-130		10.6	30	
N-EtFOSAA	92.5	2.00	"	80.0		116	50-130		16.8	30	
Perfluoropentanoic acid (PFPeA)	101	2.00	"	80.0		126	50-130		12.2	30	
Perfluoro-1-octanesulfonamide (FOSA)	89.7	2.00	"	80.0		112	50-130		14.9	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	68.9	2.00	"	76.4		90.2	50-130		5.17	30	
Perfluoro-1-decanesulfonic acid (PFDS)	69.4	2.00	"	77.2		89.9	50-130		2.56	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	107	5.00	"	76.0		141	50-175		37.0	30	Non-dir.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	104	2.00	"	76.8		135	50-175		22.1	30	
Perfluoro-n-butanoic acid (PFBA)	92.4	2.00	"	80.0		116	50-130		6.58	30	
Surrogate: M3PFBS	*47.1*		"	*74.3*		*63.4*	*25-150*				
Surrogate: M5PFHxA	*57.0*		"	*80.0*		*71.2*	*25-150*				
Surrogate: M4PFHpA	*56.8*		"	*80.0*		*71.0*	*25-150*				
Surrogate: M3PFHxS	*52.6*		"	*75.7*		*69.5*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*60.5*		"	*80.0*		*75.6*	*25-150*				
Surrogate: M6PFDA	*57.6*		"	*80.0*		*72.0*	*25-150*				
Surrogate: M7PFUdA	*55.0*		"	*80.0*		*68.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*52.5*		"	*80.0*		*65.7*	*25-150*				
Surrogate: M2PFTeDA	*45.8*		"	*80.0*		*57.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*53.3*		"	*80.0*		*66.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*65.1*		"	*76.6*		*85.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*59.5*		"	*80.0*		*74.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*33.8*		"	*80.0*		*42.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*50.4*		"	*80.0*		*63.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*44.6*		"	*80.0*		*55.8*	*25-150*				
Surrogate: M2-6:2 FTS	*59.4*		"	*75.9*		*78.2*	*25-200*				
Surrogate: M2-8:2 FTS	*56.7*		"	*76.6*		*73.9*	*25-200*				
Surrogate: M9PFNA	*66.4*		"	*80.0*		*83.0*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK21336 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BK21336-BLK1)											Prepared: 11/21/2022 Analyzed: 11/24/2022
Perfluorobutanesulfonic acid (PFBS)	ND	0.232	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.232	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.232	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.232	"								
Perfluorooctanoic acid (PFOA)	ND	0.232	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.232	"								
Perfluorononanoic acid (PFNA)	ND	0.232	"								
Perfluorodecanoic acid (PFDA)	ND	0.232	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.232	"								
Perfluorododecanoic acid (PFDoA)	ND	0.232	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.232	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.232	"								
N-MeFOSAA	ND	0.232	"								
N-EtFOSAA	ND	0.232	"								
Perfluoropentanoic acid (PFPeA)	ND	0.232	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.232	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.232	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.232	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	0.232	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	0.232	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.232	"								
Surrogate: M3PFBS	*3.80*		"	*4.30*		*88.4*	*25-150*				
Surrogate: M5PFHxA	*3.98*		"	*4.63*		*86.0*	*25-150*				
Surrogate: M4PFHpA	*4.00*		"	*4.63*		*86.5*	*25-150*				
Surrogate: M3PFHxS	*4.39*		"	*4.38*		*100*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.22*		"	*4.63*		*91.2*	*25-150*				
Surrogate: M6PFDA	*2.86*		"	*4.63*		*61.8*	*25-150*				
Surrogate: M7PFUdA	*2.36*		"	*4.63*		*51.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.00*		"	*4.63*		*43.1*	*25-150*				
Surrogate: M2PFTeDA	*1.93*		"	*4.63*		*41.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.33*		"	*4.63*		*71.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.64*		"	*4.43*		*82.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.93*		"	*4.63*		*84.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.20*		"	*4.63*		*47.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.48*		"	*4.63*		*53.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.31*		"	*4.63*		*49.8*	*25-150*				
Surrogate: M2-6:2 FTS	*4.01*		"	*4.39*		*91.3*	*25-200*				
Surrogate: M2-8:2 FTS	*2.90*		"	*4.44*		*65.4*	*25-200*				
Surrogate: M9PFNA	*3.86*		"	*4.63*		*83.3*	*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 BK21336 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BK21336-BS1)											
Prepared: 11/21/2022 Analyzed: 11/24/2022											
Perfluorobutanesulfonic acid (PFBS)	4.51	0.244	ug/kg wet	4.32		104	50-130				
Perfluorohexanoic acid (PFHxA)	5.74	0.244	"	4.88		117	50-130				
Perfluoroheptanoic acid (PFHpA)	5.19	0.244	"	4.88		106	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.43	0.244	"	4.44		99.7	50-130				
Perfluorooctanoic acid (PFOA)	4.98	0.244	"	4.88		102	50-130				
Perfluorooctanesulfonic acid (PFOS)	3.82	0.244	"	4.52		84.6	50-130				
Perfluorononanoic acid (PFNA)	4.74	0.244	"	4.88		97.1	50-130				
Perfluorodecanoic acid (PFDA)	4.86	0.244	"	4.88		99.5	50-130				
Perfluoroundecanoic acid (PFUnA)	5.37	0.244	"	4.88		110	50-130				
Perfluorododecanoic acid (PFDoA)	5.75	0.244	"	4.88		118	50-130				
Perfluorotridecanoic acid (PFTrDA)	3.83	0.244	"	4.88		78.4	50-130				
Perfluorotetradecanoic acid (PFTA)	4.88	0.244	"	4.88		99.9	50-130				
N-MeFOSAA	5.48	0.244	"	4.88		112	50-130				
N-EtFOSAA	4.65	0.244	"	4.88		95.1	50-130				
Perfluoropentanoic acid (PFPeA)	5.38	0.244	"	4.88		110	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.70	0.244	"	4.88		96.3	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.94	0.244	"	4.66		106	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.49	0.244	"	4.71		74.1	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	4.40	0.244	"	4.64		94.9	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	7.39	0.244	"	4.69		158	50-200				
Perfluoro-n-butanoic acid (PFBA)	5.04	0.244	"	4.88		103	50-130				
Surrogate: M3PFBS	*4.46*		*"*	*4.54*		*98.3*	*25-150*				
Surrogate: M5PFHxA	*4.04*		*"*	*4.88*		*82.8*	*25-150*				
Surrogate: M4PFHpA	*4.40*		*"*	*4.88*		*90.0*	*25-150*				
Surrogate: M3PFHxS	*4.31*		*"*	*4.62*		*93.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.44*		*"*	*4.88*		*90.9*	*25-150*				
Surrogate: M6PFDA	*3.30*		*"*	*4.88*		*67.6*	*25-150*				
Surrogate: M7PFUdA	*2.57*		*"*	*4.88*		*52.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.32*		*"*	*4.88*		*47.5*	*25-150*				
Surrogate: M2PFTeDA	*2.17*		*"*	*4.88*		*44.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.83*		*"*	*4.88*		*78.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.94*		*"*	*4.67*		*84.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.60*		*"*	*4.88*		*94.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.52*		*"*	*4.88*		*51.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.44*		*"*	*4.88*		*50.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.49*		*"*	*4.88*		*51.1*	*25-150*				
Surrogate: M2-6:2 FTS	*5.63*		*"*	*4.63*		*121*	*25-200*				
Surrogate: M2-8:2 FTS	*3.26*		*"*	*4.68*		*69.7*	*25-200*				
Surrogate: M9PFNA	*4.08*		*"*	*4.88*		*83.6*	*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 BK21336 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BK21336-MS1)	*Source sample: 22K0939-19 (SB-25 0-4 20221115)							Prepared: 11/21/2022 Analyzed: 11/24/2022			
Perfluorobutanesulfonic acid (PFBS)	6.05	0.285	ug/kg dry	5.05	ND	120	25-150				
Perfluorohexanoic acid (PFHxA)	7.11	0.285	"	5.70	ND	125	25-150				
Perfluoroheptanoic acid (PFHpA)	7.18	0.285	"	5.70	ND	126	25-150				
Perfluorohexanesulfonic acid (PFHxS)	6.27	0.285	"	5.19	ND	121	25-150				
Perfluorooctanoic acid (PFOA)	6.51	0.285	"	5.70	ND	114	25-150				
Perfluorooctanesulfonic acid (PFOS)	8.01	0.285	"	5.27	ND	152	25-150	High Bias			
Perfluorononanoic acid (PFNA)	6.28	0.285	"	5.70	ND	110	25-150				
Perfluorodecanoic acid (PFDA)	6.11	0.285	"	5.70	ND	107	25-150				
Perfluoroundecanoic acid (PFUnA)	6.39	0.285	"	5.70	ND	112	25-150				
Perfluorododecanoic acid (PFDoA)	6.99	0.285	"	5.70	ND	123	25-150				
Perfluorotridecanoic acid (PFTrDA)	6.38	0.285	"	5.70	ND	112	25-150				
Perfluorotetradecanoic acid (PFTA)	7.20	0.285	"	5.70	ND	126	25-150				
N-MeFOSAA	6.59	0.285	"	5.70	ND	116	25-150				
N-EtFOSAA	6.32	0.285	"	5.70	ND	111	25-150				
Perfluoropentanoic acid (PFPeA)	7.01	0.285	"	5.70	ND	123	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.46	0.285	"	5.70	ND	95.8	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	7.97	0.285	"	5.45	ND	146	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.75	0.285	"	5.50	ND	86.3	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	6.16	0.285	"	5.42	ND	114	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	6.69	0.285	"	5.47	ND	122	25-200				
Perfluoro-n-butanoic acid (PFBA)	6.42	0.285	"	5.70	ND	113	25-150				
Surrogate: M3PFBS	*4.13*		"	*5.30*		*78.0*	*25-150*				
Surrogate: M5PFHxA	*4.11*		"	*5.70*		*72.1*	*25-150*				
Surrogate: M4PFHpA	*4.01*		"	*5.70*		*70.3*	*25-150*				
Surrogate: M3PFHxS	*4.27*		"	*5.39*		*79.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.23*		"	*5.70*		*74.2*	*25-150*				
Surrogate: M6PFDA	*3.10*		"	*5.70*		*54.5*	*25-150*				
Surrogate: M7PFUdA	*2.34*		"	*5.70*		*41.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.41*		"	*5.70*		*42.3*	*25-150*				
Surrogate: M2PFTeDA	*1.84*		"	*5.70*		*32.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.70*		"	*5.70*		*64.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.16*		"	*5.46*		*57.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.16*		"	*5.70*		*72.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.15*		"	*5.70*		*37.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.90*		"	*5.70*		*50.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.08*		"	*5.70*		*54.0*	*25-150*				
Surrogate: M2-6:2 FTS	*9.21*		"	*5.41*		*170*	*25-200*				
Surrogate: M2-8:2 FTS	*7.26*		"	*5.46*		*133*	*25-200*				
Surrogate: M9PFNA	*3.69*		"	*5.70*		*64.8*	*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 BK21336 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BK21336-MSD1)	*Source sample: 22K0939-19 (SB-25 0-4 20221115)								Prepared: 11/21/2022 Analyzed: 11/24/2022		
Perfluorobutanesulfonic acid (PFBS)	5.60	0.279	ug/kg dry	4.94	ND	113	25-150		7.75	35	
Perfluorohexanoic acid (PFHxA)	7.07	0.279	"	5.58	ND	127	25-150		0.564	35	
Perfluoroheptanoic acid (PFHpA)	6.41	0.279	"	5.58	ND	115	25-150		11.3	35	
Perfluorohexanesulfonic acid (PFHxS)	6.29	0.279	"	5.08	ND	124	25-150		0.389	35	
Perfluorooctanoic acid (PFOA)	6.04	0.279	"	5.58	ND	108	25-150		7.41	35	
Perfluorooctanesulfonic acid (PFOS)	5.63	0.279	"	5.16	ND	109	25-150		34.9	35	
Perfluorononanoic acid (PFNA)	5.97	0.279	"	5.58	ND	107	25-150		5.12	35	
Perfluorodecanoic acid (PFDA)	6.47	0.279	"	5.58	ND	116	25-150		5.64	35	
Perfluoroundecanoic acid (PFUnA)	6.29	0.279	"	5.58	ND	113	25-150		1.50	35	
Perfluorododecanoic acid (PFDoA)	6.87	0.279	"	5.58	ND	123	25-150		1.74	35	
Perfluorotridecanoic acid (PFTrDA)	5.58	0.279	"	5.58	ND	100	25-150		13.4	35	
Perfluorotetradecanoic acid (PFTA)	6.76	0.279	"	5.58	ND	121	25-150		6.34	35	
N-MeFOSAA	6.87	0.279	"	5.58	ND	123	25-150		4.08	35	
N-EtFOSAA	5.76	0.279	"	5.58	ND	103	25-150		9.40	35	
Perfluoropentanoic acid (PFPeA)	6.78	0.279	"	5.58	ND	121	25-150		3.30	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.69	0.279	"	5.58	ND	102	25-150		4.13	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	7.71	0.279	"	5.33	ND	145	25-150		3.39	35	
Perfluoro-1-decanesulfonic acid (PFDS)	5.15	0.279	"	5.39	ND	95.7	25-150		8.17	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	6.40	0.279	"	5.30	ND	121	25-200		3.86	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	7.39	0.279	"	5.36	ND	138	25-200		9.93	35	
Perfluoro-n-butanoic acid (PFBA)	6.12	0.279	"	5.58	ND	110	25-150		4.79	35	
Surrogate: M3PFBS	*3.81*		"	*5.18*		*73.6*	*25-150*				
Surrogate: M5PFHxA	*3.58*		"	*5.58*		*64.2*	*25-150*				
Surrogate: M4PFHpA	*3.71*		"	*5.58*		*66.6*	*25-150*				
Surrogate: M3PFHxS	*3.81*		"	*5.28*		*72.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.99*		"	*5.58*		*71.5*	*25-150*				
Surrogate: M6PFDA	*2.72*		"	*5.58*		*48.7*	*25-150*				
Surrogate: M7PFUdA	*2.40*		"	*5.58*		*43.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.56*		"	*5.58*		*45.8*	*25-150*				
Surrogate: M2PFTeDA	*1.83*		"	*5.58*		*32.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.46*		"	*5.58*		*62.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.19*		"	*5.34*		*59.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.81*		"	*5.58*		*68.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*1.82*		"	*5.58*		*32.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.64*		"	*5.58*		*47.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.73*		"	*5.58*		*66.8*	*25-150*				
Surrogate: M2-6:2 FTS	*9.19*		"	*5.30*		*174*	*25-200*				
Surrogate: M2-8:2 FTS	*7.00*		"	*5.35*		*131*	*25-200*				
Surrogate: M9PFNA	*3.49*		"	*5.58*		*62.5*	*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 BK21414 - % Solids Prep											
Duplicate (BK21414-DUP1)	*Source sample: 22K0504-10 (Duplicate)								Prepared & Analyzed: 11/22/2022		
% Solids	86.6	0.100	%		86.8				0.252	20	

Sample and Data Qualifiers Relating to This Work Order

PF-CCV-L The CCV recovery was slightly below acceptable limits for the qualified compound. However, sample results are not biased low because results are corrected for isotope recovery.

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.

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This 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.

YORK Project No. 22IC0939

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: PVE Engineering	Company:	Company:	20220641	RUSH - Next Day
Address: 48 Springfield Avenue Poughkeepsie, NY 12603	Address: Same	Address: Same	YOUR Project Name: 20220641	RUSH - Two Day
Phone.: 845-454-2547	Phone.:	Phone.:		RUSH - Three Day
Contact: Trevor Traglia	Contact: Same	Contact: Tara Alvarado		RUSH - Four Day
E-mail: ttraglia@pve-llc.com	E-mail:	E-mail: talvarado@pve-llc.com	YOUR PO#: 20220641 - PFAS	Standard (5-7 Day) X

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.

Trevor Traglia

Samples Collected by: (print your name above and sign below)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil ⋮ Other

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB-13 0-4 20221115	S	11/15/22 19:10	PFAS (NY 21 Ind) via 537.1M.	1 - 125mL Plastic
FB 20221115	W	19:10		
SB-14 0-4 20221115	S	19:25		
SB-14 4-8 20221115		19:30		
SB-15 0-4 20221115		19:50		
SB-16 0-4 20221115		10:10		
SB-16 4-8 20221115		10:25		
SB-17 0-4 20221115		10:40		
SB-18 0-4 20221115		10:55		
SB-18 4-8 20221115		11:05		

Comments:

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ___ Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
PVE	11/16/22 1145		11/16/22 1145		
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				with York	11/17/22 10am / 3 Degrees C

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615 | 132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This 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.

YORK Project No. 22[illegible]939

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: PVE Engineering	Company:	Company:	20220541	RUSH - Next Day
Address: 48 Spring Side Avenue Poughkeepsie, NY 12603	Address: Same	Address: Same	YOUR Project Name: 20220541	RUSH - Two Day
Phone.: 845-454-2544	Phone.:	Phone.:		RUSH - Three Day
Contact: Trevor Tregla	Contact:	Contact: Tara Alvarado		RUSH - Four Day
E-mail: ttregla@pve-llc.com	E-mail: Same	E-mail: talvarado@pve-llc.com	YOUR PO#: 20220541-PFAS	Standard (5-7 Day) X

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.

Trevor Tregla
Samples Collected by: (print your name above and sign below)

Matrix Codes
S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From
New York X
New Jersey
Connecticut
Pennsylvania
Other

Report / EDD Type (circle selections)
Summary Report | QA Report | NY ASP A Package | NY ASP B Package | CT RCP | CT RCP DQA/DUE | NJDEP Reduced Deliverables | NJDKQP | Standard Excel EDD | EQuIS (Standard) | NYSDEC EQuIS | NJDEP SRP HazSite | Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB-19 0-4 20221115	S	11/15/22/11:25	PFAS (NY 21 list) via 537.1 Mod	1-125 mL plastic
SB-19 4-8 20221115		/11:35		
SB-20 0-4 20221115		/11:50		
SB-21 0-4 20221115		/12:10		
SB-21 4-8 20221115		/12:15		
SB-22 0-4 20221115		/12:35		
SB-23 0-4 20221115		/12:50		
SB-24 0-4 20221115		/13:00		
SB-25 0-4 20221115		/13:10		
SB-26 0-4 20221115		/13:20		

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
PVE	11/16/22 1145	Gilbert	11/16/22 1145		
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				WH/York	11/17/22 11am / 3 Degrees C

Technical Report

prepared for:

PVE, LLC.
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Trevor Treglia

Report Date: 11/28/2022
Client Project ID: 20220641
York Project (SDG) No.: 22K0985

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

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@yorklab.com

Report Date: 11/28/2022
Client Project ID: 20220641
York Project (SDG) No.: 22K0985

PVE, LLC.
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Trevor Treglia

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 November 17, 2022 and listed below. The project was identified as your project: **20220641**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22K0985-01	SB-27 0-4 20221116	Soil	11/16/2022	11/17/2022
22K0985-02	SB-28 0-4 20221116	Soil	11/16/2022	11/17/2022
22K0985-03	SB-29 0-4 20221116	Soil	11/16/2022	11/17/2022
22K0985-04	SB-29 4-8 20221116	Soil	11/16/2022	11/17/2022
22K0985-05	SB-30 0-4 20221116	Soil	11/16/2022	11/17/2022
22K0985-06	SB-30 4-8 20221116	Soil	11/16/2022	11/17/2022
22K0985-07	SB-31 0-4 20221116	Soil	11/16/2022	11/17/2022
22K0985-08	FB 20221116	Water	11/16/2022	11/17/2022

General Notes for York Project (SDG) No.: 22K0985

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; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 11/28/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SB-27 0-4 20221116 **York Sample ID:** 22K0985-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 10:15 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:45	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*41.0 %*	*25-150*

Sample Information

Client Sample ID: SB-27 0-4 20221116 **York Sample ID:** 22K0985-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 10:15 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*38.8 %*		*25-150*						
	Surrogate: M4PFHpA	*37.4 %*		*25-150*						
	Surrogate: M3PFHxS	*46.6 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*44.2 %*		*25-150*						
	Surrogate: M6PFDA	*32.7 %*		*25-150*						
	Surrogate: M7PFUdA	*23.2 %*	PFSu-L	*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*17.1 %*	PFSu-L	*25-150*						
	Surrogate: M2PFTeDA	*13.6 %*		*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*35.9 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*34.6 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*40.6 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*24.8 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*21.4 %*	PFSu-L	*25-150*						
	Surrogate: d5-N-EtFOSAA	*24.7 %*	PFSu-L	*25-150*						
	Surrogate: M2-6:2 FTS	*64.5 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*57.6 %*		*25-200*						
	Surrogate: M9PFNA	*40.7 %*		*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**	**87.8**		%	0.100	1	SM 2540G	11/21/2022 12:26	11/22/2022 12:29	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-28 0-4 20221116 **York Sample ID:** 22K0985-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 10:30 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: SB-28 0-4 20221116 **York Sample ID:** 22K0985-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 10:30 am	11/17/2022

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**0.327**		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 18:57	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*37.3 %*	*25-150*
Surrogate: M5PFHxA	*34.5 %*	*25-150*
Surrogate: M4PFHpA	*33.3 %*	*25-150*

Sample Information

Client Sample ID: SB-28 0-4 20221116 **York Sample ID:** 22K0985-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 10:30 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFHxS	*47.2 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*33.2 %*			*25-150*					
	Surrogate: M6PFDA	*36.2 %*			*25-150*					
	Surrogate: M7PFUdA	*27.8 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*21.3 %*	PFSu-L		*25-150*					
	Surrogate: M2PFTeDA	*16.0 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*30.9 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*40.5 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*34.7 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*17.1 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*25.9 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*27.9 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*57.6 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*49.4 %*			*25-200*					
	Surrogate: M9PFNA	*34.8 %*			*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**	**89.4**		%	0.100	1	SM 2540G	11/21/2022 12:26	11/22/2022 12:29	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-29 0-4 20221116 **York Sample ID:** 22K0985-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 10:40 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

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

Sample Information

Client Sample ID: SB-29 0-4 20221116 **York Sample ID:** 22K0985-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 10:40 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV -L	ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV -L	ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:10	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*35.1 %*	*25-150*

Sample Information

Client Sample ID: SB-29 0-4 20221116 **York Sample ID:** 22K0985-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 10:40 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*34.6 %*			*25-150*					
	Surrogate: M4PFHpA	*33.7 %*			*25-150*					
	Surrogate: M3PFHxS	*34.6 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*37.7 %*			*25-150*					
	Surrogate: M6PFDA	*35.5 %*			*25-150*					
	Surrogate: M7PFUdA	*31.1 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*25.2 %*			*25-150*					
	Surrogate: M2PFTeDA	*12.1 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*33.3 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*46.4 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*35.4 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*27.1 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*29.8 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*28.5 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*38.7 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*46.4 %*			*25-200*					
	Surrogate: M9PFNA	*38.5 %*			*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**	**86.2**		%	0.100	1	SM 2540G	11/21/2022 12:26	11/22/2022 12:29	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-29 4-8 20221116 **York Sample ID:** 22K0985-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 10:50 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: SB-29 4-8 20221116 **York Sample ID:** 22K0985-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 10:50 am	11/17/2022

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV -L	ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV -L	ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:23	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*41.7 %*	*25-150*
Surrogate: M5PFHxA	*36.8 %*	*25-150*
Surrogate: M4PFHpA	*37.4 %*	*25-150*

Sample Information

Client Sample ID: SB-29 4-8 20221116 **York Sample ID:** 22K0985-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 10:50 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFHxS	*46.4 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*44.4 %*		*25-150*						
	Surrogate: M6PFDA	*34.8 %*		*25-150*						
	Surrogate: M7PFUdA	*26.8 %*		*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*20.8 %*	PFSu-L	*25-150*						
	Surrogate: M2PFTeDA	*13.3 %*		*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*35.3 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*40.8 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*39.7 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*25.6 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*28.1 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*23.2 %*	PFSu-L	*25-150*						
	Surrogate: M2-6:2 FTS	*57.5 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*56.2 %*		*25-200*						
	Surrogate: M9PFNA	*39.9 %*		*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**	**86.5**		%	0.100	1	SM 2540G	11/21/2022 12:26	11/22/2022 12:29	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-30 0-4 20221116 **York Sample ID:** 22K0985-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 11:05 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

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

Sample Information

Client Sample ID: SB-30 0-4 20221116 **York Sample ID:** 22K0985-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 11:05 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV -L	ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV -L	ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.259	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:36	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*54.7 %*	*25-150*

Sample Information

Client Sample ID: SB-30 0-4 20221116 **York Sample ID:** 22K0985-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 11:05 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*46.1 %*			*25-150*					
	Surrogate: M4PFHpA	*44.5 %*			*25-150*					
	Surrogate: M3PFHxS	*52.8 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*48.2 %*			*25-150*					
	Surrogate: M6PFDA	*41.6 %*			*25-150*					
	Surrogate: M7PFUdA	*30.0 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*27.7 %*			*25-150*					
	Surrogate: M2PFTeDA	*23.7 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*44.2 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*58.1 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*48.7 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*6.89 %*	PFSu-L		*10-150*					
	Surrogate: d3-N-MeFOSAA	*16.8 %*	PFSu-L		*25-150*					
	Surrogate: d5-N-EtFOSAA	*35.0 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*148 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*112 %*			*25-200*					
	Surrogate: M9PFNA	*46.4 %*			*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**	**94.4**		%	0.100	1	SM 2540G	11/21/2022 12:26	11/22/2022 12:29	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-30 4-8 20221116 **York Sample ID:** 22K0985-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 11:15 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: SB-30 4-8 20221116 **York Sample ID:** 22K0985-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 11:15 am	11/17/2022

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 19:49	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*47.1 %*	*25-150*
Surrogate: M5PFHxA	*43.2 %*	*25-150*
Surrogate: M4PFHpA	*41.6 %*	*25-150*

Sample Information

Client Sample ID: SB-30 4-8 20221116 **York Sample ID:** 22K0985-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 11:15 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFHxS	*48.1 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*47.7 %*			*25-150*					
	Surrogate: M6PFDA	*39.1 %*			*25-150*					
	Surrogate: M7PFUdA	*32.6 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*25.0 %*			*25-150*					
	Surrogate: M2PFTeDA	*15.1 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*41.6 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*49.4 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*47.0 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*24.0 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*42.1 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*33.8 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*72.0 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*64.9 %*			*25-200*					
	Surrogate: M9PFNA	*40.7 %*			*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**	**89.0**		%	0.100	1	SM 2540G	11/21/2022 12:26	11/22/2022 12:29	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: SB-31 0-4 20221116 **York Sample ID:** 22K0985-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 11:25 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

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

Sample Information

Client Sample ID: SB-31 0-4 20221116 **York Sample ID:** 22K0985-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 11:25 am	11/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV -L	ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV -L	ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	11/18/2022 17:24	11/22/2022 20:02	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*31.7 %*	*25-150*

Sample Information

Client Sample ID: SB-31 0-4 20221116 **York Sample ID:** 22K0985-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Soil	November 16, 2022 11:25 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*32.8 %*			*25-150*					
	Surrogate: M4PFHpA	*33.7 %*			*25-150*					
	Surrogate: M3PFHxS	*37.9 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*40.0 %*			*25-150*					
	Surrogate: M6PFDA	*32.6 %*			*25-150*					
	Surrogate: M7PFUdA	*28.2 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*24.2 %*	PFSu-L		*25-150*					
	Surrogate: M2PFTeDA	*13.6 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*30.0 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*38.1 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*33.3 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*28.4 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*32.6 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*30.0 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*37.5 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*42.3 %*			*25-200*					
	Surrogate: M9PFNA	*33.7 %*			*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**	**89.4**		%	0.100	1	SM 2540G	11/21/2022 12:26	11/22/2022 12:29	YR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: FB 20221116 **York Sample ID:** 22K0985-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Water	November 16, 2022 10:10 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **FB 20221116** **York Sample ID:** **22K0985-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Water	November 16, 2022 10:10 am	11/17/2022

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
2991-50-6	* N-EtFOSAA	ND	PF-CCV-L	ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND	PF-CCV-L	ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.73	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.89	1	EPA 537m Certifications:	11/22/2022 11:22	11/23/2022 19:01	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*90.1 %*	*25-150*
Surrogate: M5PFHxA	*77.4 %*	*25-150*
Surrogate: M4PFHpA	*80.0 %*	*25-150*

Sample Information

Client Sample ID: **FB 20221116** **York Sample ID:** **22K0985-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22K0985	20220641	Water	November 16, 2022 10:10 am	11/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFHxS	*96.2 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*86.8 %*			*25-150*					
	Surrogate: M6PFDA	*78.9 %*			*25-150*					
	Surrogate: M7PFUdA	*75.3 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*66.2 %*			*25-150*					
	Surrogate: M2PFTeDA	*58.5 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*66.5 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*92.2 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*79.9 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*34.5 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*69.7 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*65.2 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*125 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*112 %*			*25-200*					
	Surrogate: M9PFNA	*87.9 %*			*25-150*					

Analytical Batch Summary

Batch ID: BK21224 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** BAMW

YORK Sample ID	Client Sample ID	Preparation Date
22K0985-01	SB-27 0-4 20221116	11/18/22
22K0985-02	SB-28 0-4 20221116	11/18/22
22K0985-03	SB-29 0-4 20221116	11/18/22
22K0985-04	SB-29 4-8 20221116	11/18/22
22K0985-05	SB-30 0-4 20221116	11/18/22
22K0985-06	SB-30 4-8 20221116	11/18/22
22K0985-07	SB-31 0-4 20221116	11/18/22
BK21224-BLK1	Blank	11/18/22
BK21224-BS1	LCS	11/18/22
BK21224-MS1	Matrix Spike	11/18/22
BK21224-MSD1	Matrix Spike Dup	11/18/22

Batch ID: BK21242 **Preparation Method:** % Solids Prep **Prepared By:** YR

YORK Sample ID	Client Sample ID	Preparation Date
22K0985-01	SB-27 0-4 20221116	11/21/22
22K0985-02	SB-28 0-4 20221116	11/21/22
22K0985-03	SB-29 0-4 20221116	11/21/22
22K0985-04	SB-29 4-8 20221116	11/21/22
22K0985-05	SB-30 0-4 20221116	11/21/22
22K0985-06	SB-30 4-8 20221116	11/21/22
22K0985-07	SB-31 0-4 20221116	11/21/22
BK21242-DUP1	Duplicate	11/22/22

Batch ID: BK21405 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WJH

YORK Sample ID	Client Sample ID	Preparation Date
22K0985-08	FB 20221116	11/22/22
BK21405-BLK1	Blank	11/22/22
BK21405-BS1	LCS	11/22/22
BK21405-BSD1	LCS Dup	11/22/22

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 BK21224 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BK21224-BLK1)											Prepared: 11/18/2022 Analyzed: 11/22/2022
Perfluorobutanesulfonic acid (PFBS)	ND	0.229	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.229	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.229	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.229	"								
Perfluorooctanoic acid (PFOA)	ND	0.229	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.229	"								
Perfluorononanoic acid (PFNA)	ND	0.229	"								
Perfluorodecanoic acid (PFDA)	ND	0.229	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.229	"								
Perfluorododecanoic acid (PFDoA)	ND	0.229	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.229	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.229	"								
N-MeFOSAA	ND	0.229	"								
N-EtFOSAA	ND	0.229	"								
Perfluoropentanoic acid (PFPeA)	ND	0.229	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.229	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.229	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.229	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	0.229	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	0.229	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.229	"								
Surrogate: M3PFBS	*4.21*		"	*4.25*		*99.1*	*25-150*				
Surrogate: M5PFHxA	*3.80*		"	*4.58*		*83.1*	*25-150*				
Surrogate: M4PFHpA	*3.37*		"	*4.58*		*73.5*	*25-150*				
Surrogate: M3PFHxS	*4.05*		"	*4.33*		*93.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.01*		"	*4.58*		*87.6*	*25-150*				
Surrogate: M6PFDA	*2.88*		"	*4.58*		*62.9*	*25-150*				
Surrogate: M7PFUdA	*2.42*		"	*4.58*		*52.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.14*		"	*4.58*		*46.7*	*25-150*				
Surrogate: M2PFTeDA	*1.91*		"	*4.58*		*41.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.54*		"	*4.58*		*77.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.58*		"	*4.38*		*81.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.27*		"	*4.58*		*93.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.40*		"	*4.58*		*52.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.22*		"	*4.58*		*48.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.31*		"	*4.58*		*50.4*	*25-150*				
Surrogate: M2-6:2 FTS	*4.28*		"	*4.34*		*98.6*	*25-200*				
Surrogate: M2-8:2 FTS	*2.70*		"	*4.38*		*61.6*	*25-200*				
Surrogate: M9PFNA	*3.57*		"	*4.58*		*77.9*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK21224 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BK21224-BS1)											
Prepared: 11/18/2022 Analyzed: 11/22/2022											
Perfluorobutanesulfonic acid (PFBS)	4.50	0.238	ug/kg wet	4.22		107	50-130				
Perfluorohexanoic acid (PFHxA)	5.54	0.238	"	4.76		116	50-130				
Perfluoroheptanoic acid (PFHpA)	6.20	0.238	"	4.76		130	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.34	0.238	"	4.34		100	50-130				
Perfluorooctanoic acid (PFOA)	5.77	0.238	"	4.76		121	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.63	0.238	"	4.41		105	50-130				
Perfluorononanoic acid (PFNA)	4.69	0.238	"	4.76		98.5	50-130				
Perfluorodecanoic acid (PFDA)	5.74	0.238	"	4.76		120	50-130				
Perfluoroundecanoic acid (PFUnA)	5.86	0.238	"	4.76		123	50-130				
Perfluorododecanoic acid (PFDoA)	5.74	0.238	"	4.76		120	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.03	0.238	"	4.76		84.7	50-130				
Perfluorotetradecanoic acid (PFTA)	5.04	0.238	"	4.76		106	50-130				
N-MeFOSAA	5.20	0.238	"	4.76		109	50-130				
N-EtFOSAA	5.41	0.238	"	4.76		114	50-130				
Perfluoropentanoic acid (PFPeA)	5.77	0.238	"	4.76		121	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.41	0.238	"	4.76		92.6	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.28	0.238	"	4.55		116	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.83	0.238	"	4.60		83.2	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	6.49	0.238	"	4.53		143	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	6.02	0.238	"	4.57		132	50-200				
Perfluoro-n-butanoic acid (PFBA)	5.29	0.238	"	4.76		111	50-130				
Surrogate: M3PFBS	*4.44*		"	*4.43*		*100*	*25-150*				
Surrogate: M5PFHxA	*4.19*		"	*4.76*		*87.9*	*25-150*				
Surrogate: M4PFHpA	*3.87*		"	*4.76*		*81.3*	*25-150*				
Surrogate: M3PFHxS	*4.49*		"	*4.51*		*99.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.05*		"	*4.76*		*85.0*	*25-150*				
Surrogate: M6PFDA	*3.11*		"	*4.76*		*65.2*	*25-150*				
Surrogate: M7PFUdA	*2.44*		"	*4.76*		*51.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.58*		"	*4.76*		*54.2*	*25-150*				
Surrogate: M2PFTeDA	*2.12*		"	*4.76*		*44.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.88*		"	*4.76*		*81.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.58*		"	*4.56*		*78.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.39*		"	*4.76*		*92.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.56*		"	*4.76*		*53.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.75*		"	*4.76*		*57.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.52*		"	*4.76*		*53.0*	*25-150*				
Surrogate: M2-6:2 FTS	*4.23*		"	*4.52*		*93.6*	*25-200*				
Surrogate: M2-8:2 FTS	*3.15*		"	*4.56*		*69.1*	*25-200*				
Surrogate: M9PFNA	*4.07*		"	*4.76*		*85.3*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK21224 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BK21224-MS1)	*Source sample: 22K0940-02 (Matrix Spike)							Prepared: 11/18/2022 Analyzed: 11/22/2022			
Perfluorobutanesulfonic acid (PFBS)	4.72	0.239	ug/kg dry	4.22	ND	112	25-150				
Perfluorohexanoic acid (PFHxA)	5.40	0.239	"	4.77	ND	113	25-150				
Perfluoroheptanoic acid (PFHpA)	5.85	0.239	"	4.77	ND	123	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.56	0.239	"	4.34	ND	105	25-150				
Perfluorooctanoic acid (PFOA)	5.38	0.239	"	4.77	ND	113	25-150				
Perfluorooctanesulfonic acid (PFOS)	5.71	0.239	"	4.42	ND	129	25-150				
Perfluorononanoic acid (PFNA)	5.17	0.239	"	4.77	ND	108	25-150				
Perfluorodecanoic acid (PFDA)	5.49	0.239	"	4.77	ND	115	25-150				
Perfluoroundecanoic acid (PFUnA)	5.59	0.239	"	4.77	ND	117	25-150				
Perfluorododecanoic acid (PFDoA)	6.08	0.239	"	4.77	ND	127	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.19	0.239	"	4.77	ND	87.8	25-150				
Perfluorotetradecanoic acid (PFTA)	5.07	0.239	"	4.77	ND	106	25-150				
N-MeFOSAA	5.28	0.239	"	4.77	ND	111	25-150				
N-EtFOSAA	5.60	0.239	"	4.77	ND	117	25-150				
Perfluoropentanoic acid (PFPeA)	5.67	0.239	"	4.77	ND	119	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.47	0.239	"	4.77	ND	93.7	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.15	0.239	"	4.56	ND	113	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	2.86	0.239	"	4.61	ND	62.0	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	5.86	0.239	"	4.54	ND	129	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	6.26	0.239	"	4.58	ND	137	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.18	0.239	"	4.77	ND	108	25-150				
Surrogate: M3PFBS	*4.13*		"	*4.44*		*93.1*	*25-150*				
Surrogate: M5PFHxA	*4.20*		"	*4.77*		*87.9*	*25-150*				
Surrogate: M4PFHpA	*4.08*		"	*4.77*		*85.5*	*25-150*				
Surrogate: M3PFHxS	*4.63*		"	*4.52*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.40*		"	*4.77*		*92.2*	*25-150*				
Surrogate: M6PFDA	*3.32*		"	*4.77*		*69.6*	*25-150*				
Surrogate: M7PFUdA	*2.52*		"	*4.77*		*52.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.14*		"	*4.77*		*44.8*	*25-150*				
Surrogate: M2PFTeDA	*1.72*		"	*4.77*		*36.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.74*		"	*4.77*		*78.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.75*		"	*4.57*		*82.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.38*		"	*4.77*		*91.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.54*		"	*4.77*		*53.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.79*		"	*4.77*		*58.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.65*		"	*4.77*		*55.5*	*25-150*				
Surrogate: M2-6:2 FTS	*5.65*		"	*4.53*		*125*	*25-200*				
Surrogate: M2-8:2 FTS	*4.86*		"	*4.57*		*106*	*25-200*				
Surrogate: M9PFNA	*3.97*		"	*4.77*		*83.1*	*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 BK21224 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BK21224-MSD1)	*Source sample: 22K0940-02 (Matrix Spike Dup)								Prepared: 11/18/2022 Analyzed: 11/22/2022		
Perfluorobutanesulfonic acid (PFBS)	5.28	0.255	ug/kg dry	4.51	ND	117	25-150		11.2	35	
Perfluorohexanoic acid (PFHxA)	6.86	0.255	"	5.10	ND	135	25-150		23.9	35	
Perfluoroheptanoic acid (PFHpA)	6.40	0.255	"	5.10	ND	125	25-150		8.97	35	
Perfluorohexanesulfonic acid (PFHxS)	5.53	0.255	"	4.64	ND	119	25-150		19.2	35	
Perfluorooctanoic acid (PFOA)	5.66	0.255	"	5.10	ND	111	25-150		5.11	35	
Perfluorooctanesulfonic acid (PFOS)	5.77	0.255	"	4.72	ND	122	25-150		1.15	35	
Perfluorononanoic acid (PFNA)	5.93	0.255	"	5.10	ND	116	25-150		13.8	35	
Perfluorodecanoic acid (PFDA)	6.32	0.255	"	5.10	ND	124	25-150		14.1	35	
Perfluoroundecanoic acid (PFUnA)	6.02	0.255	"	5.10	ND	118	25-150		7.27	35	
Perfluorododecanoic acid (PFDoA)	6.44	0.255	"	5.10	ND	126	25-150		5.79	35	
Perfluorotridecanoic acid (PFTrDA)	4.65	0.255	"	5.10	ND	91.2	25-150		10.5	35	
Perfluorotetradecanoic acid (PFTA)	5.84	0.255	"	5.10	ND	115	25-150		14.2	35	
N-MeFOSAA	6.76	0.255	"	5.10	ND	132	25-150		24.6	35	
N-EtFOSAA	5.22	0.255	"	5.10	ND	102	25-150		7.02	35	
Perfluoropentanoic acid (PFPeA)	6.39	0.255	"	5.10	ND	125	25-150		11.9	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.59	0.255	"	5.10	ND	110	25-150		22.2	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.11	0.255	"	4.87	ND	125	25-150		17.0	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.46	0.255	"	4.92	ND	70.4	25-150		19.2	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	6.28	0.255	"	4.85	ND	130	25-200		6.91	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	6.90	0.255	"	4.90	ND	141	25-200		9.77	35	
Perfluoro-n-butanoic acid (PFBA)	5.83	0.255	"	5.10	ND	114	25-150		11.8	35	
Surrogate: M3PFBS	*4.40*		"	*4.74*		*92.8*	*25-150*				
Surrogate: M5PFHxA	*3.97*		"	*5.10*		*77.7*	*25-150*				
Surrogate: M4PFHpA	*4.21*		"	*5.10*		*82.5*	*25-150*				
Surrogate: M3PFHxS	*4.42*		"	*4.83*		*91.5*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.77*		"	*5.10*		*93.5*	*25-150*				
Surrogate: M6PFDA	*3.31*		"	*5.10*		*64.8*	*25-150*				
Surrogate: M7PFUdA	*2.71*		"	*5.10*		*53.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.40*		"	*5.10*		*47.0*	*25-150*				
Surrogate: M2PFTeDA	*1.66*		"	*5.10*		*32.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.92*		"	*5.10*		*76.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.00*		"	*4.88*		*82.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.49*		"	*5.10*		*88.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.36*		"	*5.10*		*46.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.34*		"	*5.10*		*45.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.56*		"	*5.10*		*50.1*	*25-150*				
Surrogate: M2-6:2 FTS	*5.28*		"	*4.84*		*109*	*25-200*				
Surrogate: M2-8:2 FTS	*3.34*		"	*4.89*		*68.3*	*25-200*				
Surrogate: M9PFNA	*3.92*		"	*5.10*		*76.8*	*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 BK21405 - SPE Ext-PFAS-EPA 537.1M											
Blank (BK21405-BLK1)											
Prepared: 11/22/2022 Analyzed: 11/23/2022											
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*70.0*		"	*74.3*		*94.2*	*25-150*				
Surrogate: M5PFHxA	*61.3*		"	*80.0*		*76.6*	*25-150*				
Surrogate: M4PFHpA	*63.3*		"	*80.0*		*79.1*	*25-150*				
Surrogate: M3PFHxS	*67.8*		"	*75.7*		*89.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*65.3*		"	*80.0*		*81.6*	*25-150*				
Surrogate: M6PFDA	*57.2*		"	*80.0*		*71.5*	*25-150*				
Surrogate: M7PFUdA	*52.1*		"	*80.0*		*65.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*48.6*		"	*80.0*		*60.7*	*25-150*				
Surrogate: M2PFTeDA	*45.2*		"	*80.0*		*56.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*53.5*		"	*80.0*		*66.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*68.6*		"	*76.6*		*89.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*68.4*		"	*80.0*		*85.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*22.3*		"	*80.0*		*27.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*49.2*		"	*80.0*		*61.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*47.7*		"	*80.0*		*59.6*	*25-150*				
Surrogate: M2-6:2 FTS	*89.3*		"	*75.9*		*118*	*25-200*				
Surrogate: M2-8:2 FTS	*56.0*		"	*76.6*		*73.1*	*25-200*				
Surrogate: M9PFNA	*62.5*		"	*80.0*		*78.1*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK21405 - SPE Ext-PFAS-EPA 537.1M											
LCS (BK21405-BS1)									Prepared: 11/22/2022 Analyzed: 11/23/2022		
Perfluorobutanesulfonic acid (PFBS)	70.8	2.00	ng/L	70.8		100	50-130				
Perfluorohexanoic acid (PFHxA)	86.7	2.00	"	80.0		108	50-130				
Perfluoroheptanoic acid (PFHpA)	87.4	2.00	"	80.0		109	50-130				
Perfluorohexanesulfonic acid (PFHxS)	78.1	2.00	"	72.8		107	50-130				
Perfluorooctanoic acid (PFOA)	86.4	2.00	"	80.0		108	50-130				
Perfluorooctanesulfonic acid (PFOS)	71.4	2.00	"	74.0		96.5	50-130				
Perfluorononanoic acid (PFNA)	78.2	2.00	"	80.0		97.8	50-130				
Perfluorodecanoic acid (PFDA)	85.5	2.00	"	80.0		107	50-130				
Perfluoroundecanoic acid (PFUnA)	84.2	2.00	"	80.0		105	50-130				
Perfluorododecanoic acid (PFDoA)	88.8	2.00	"	80.0		111	50-130				
Perfluorotridecanoic acid (PFTrDA)	66.1	2.00	"	80.0		82.7	50-130				
Perfluorotetradecanoic acid (PFTA)	76.4	2.00	"	80.0		95.5	50-130				
N-MeFOSAA	85.1	2.00	"	80.0		106	50-130				
N-EtFOSAA	78.9	2.00	"	80.0		98.7	50-130				
Perfluoropentanoic acid (PFPeA)	85.8	2.00	"	80.0		107	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	73.6	2.00	"	80.0		92.0	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	65.2	2.00	"	76.4		85.3	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	58.0	2.00	"	77.2		75.2	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	78.6	5.00	"	76.0		103	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	89.0	2.00	"	76.8		116	50-175				
Perfluoro-n-butanoic acid (PFBA)	83.0	2.00	"	80.0		104	50-130				
Surrogate: M3PFBS	*72.6*		"	*74.3*		*97.7*	*25-150*				
Surrogate: M5PFHxA	*66.1*		"	*80.0*		*82.6*	*25-150*				
Surrogate: M4PFHpA	*67.1*		"	*80.0*		*83.8*	*25-150*				
Surrogate: M3PFHxS	*71.3*		"	*75.7*		*94.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*69.1*		"	*80.0*		*86.3*	*25-150*				
Surrogate: M6PFDA	*62.1*		"	*80.0*		*77.6*	*25-150*				
Surrogate: M7PFUdA	*57.4*		"	*80.0*		*71.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*52.9*		"	*80.0*		*66.1*	*25-150*				
Surrogate: M2PFTeDA	*52.6*		"	*80.0*		*65.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*57.4*		"	*80.0*		*71.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*79.0*		"	*76.6*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*71.3*		"	*80.0*		*89.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*29.6*		"	*80.0*		*37.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*52.1*		"	*80.0*		*65.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*51.0*		"	*80.0*		*63.7*	*25-150*				
Surrogate: M2-6:2 FTS	*100*		"	*75.9*		*132*	*25-200*				
Surrogate: M2-8:2 FTS	*70.1*		"	*76.6*		*91.4*	*25-200*				
Surrogate: M9PFNA	*68.5*		"	*80.0*		*85.6*	*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 BK21405 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BK21405-BSD1)									Prepared: 11/22/2022 Analyzed: 11/23/2022		
Perfluorobutanesulfonic acid (PFBS)	74.0	2.00	ng/L	70.8		105	50-130		4.38	30	
Perfluorohexanoic acid (PFHxA)	87.8	2.00	"	80.0		110	50-130		1.28	30	
Perfluoroheptanoic acid (PFHpA)	99.5	2.00	"	80.0		124	50-130		12.9	30	
Perfluorohexanesulfonic acid (PFHxS)	77.0	2.00	"	72.8		106	50-130		1.37	30	
Perfluorooctanoic acid (PFOA)	85.4	2.00	"	80.0		107	50-130		1.12	30	
Perfluorooctanesulfonic acid (PFOS)	74.1	2.00	"	74.0		100	50-130		3.73	30	
Perfluorononanoic acid (PFNA)	80.0	2.00	"	80.0		100	50-130		2.28	30	
Perfluorodecanoic acid (PFDA)	90.6	2.00	"	80.0		113	50-130		5.83	30	
Perfluoroundecanoic acid (PFUnA)	87.4	2.00	"	80.0		109	50-130		3.72	30	
Perfluorododecanoic acid (PFDoA)	92.3	2.00	"	80.0		115	50-130		3.84	30	
Perfluorotridecanoic acid (PFTrDA)	67.4	2.00	"	80.0		84.2	50-130		1.87	30	
Perfluorotetradecanoic acid (PFTA)	83.2	2.00	"	80.0		104	50-130		8.50	30	
N-MeFOSAA	80.7	2.00	"	80.0		101	50-130		5.35	30	
N-EtFOSAA	76.5	2.00	"	80.0		95.7	50-130		3.11	30	
Perfluoropentanoic acid (PFPeA)	89.6	2.00	"	80.0		112	50-130		4.28	30	
Perfluoro-1-octanesulfonamide (FOSA)	75.9	2.00	"	80.0		94.9	50-130		3.05	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	67.6	2.00	"	76.4		88.4	50-130		3.64	30	
Perfluoro-1-decanesulfonic acid (PFDS)	63.9	2.00	"	77.2		82.7	50-130		9.61	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	75.6	5.00	"	76.0		99.5	50-175		3.88	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	80.6	2.00	"	76.8		105	50-175		9.93	30	
Perfluoro-n-butanoic acid (PFBA)	86.9	2.00	"	80.0		109	50-130		4.56	30	
Surrogate: M3PFBS	*74.3*		"	*74.3*		*99.9*	*25-150*				
Surrogate: M5PFHxA	*69.5*		"	*80.0*		*86.9*	*25-150*				
Surrogate: M4PFHpA	*62.8*		"	*80.0*		*78.6*	*25-150*				
Surrogate: M3PFHxS	*74.6*		"	*75.7*		*98.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*71.8*		"	*80.0*		*89.8*	*25-150*				
Surrogate: M6PFDA	*64.1*		"	*80.0*		*80.2*	*25-150*				
Surrogate: M7PFUdA	*58.0*		"	*80.0*		*72.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*54.4*		"	*80.0*		*68.0*	*25-150*				
Surrogate: M2PFTeDA	*47.2*		"	*80.0*		*59.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*58.1*		"	*80.0*		*72.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*78.7*		"	*76.6*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*72.0*		"	*80.0*		*90.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*32.1*		"	*80.0*		*40.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*56.2*		"	*80.0*		*70.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*51.7*		"	*80.0*		*64.6*	*25-150*				
Surrogate: M2-6:2 FTS	*85.1*		"	*75.9*		*112*	*25-200*				
Surrogate: M2-8:2 FTS	*74.7*		"	*76.6*		*97.5*	*25-200*				
Surrogate: M9PFNA	*70.6*		"	*80.0*		*88.3*	*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 BK21242 - % Solids Prep											
Duplicate (BK21242-DUP1)	*Source sample: 22K0820-02 (Duplicate)								Prepared & Analyzed: 11/22/2022		
% Solids	92.5	0.100	%		96.4				4.14	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.

PF-CCV-L The CCV recovery was slightly below acceptable limits for the qualified compound. However, sample results are not biased low because results are corrected for isotope recovery.

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.

York Analytical Laboratories, Inc.
120 Research Drive Stratford, CT 06615
132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This 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.

YORK Project No. 22kc985

Page ____ of ____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: PVE Engineering	Company:	Company:	20220641	RUSH - Next Day
Address: 98 Spring Side Avenue Poughkeepsie, NY 12603	Address: Same	Address: Same	YOUR Project Name	RUSH - Two Day
Phone.: 845-454-2584	Phone.:	Phone.:	20220641	RUSH - Three Day
Contact: Trevor Traglia	Contact: Trevor Traglia	Contact: Tara Alvarado		RUSH - Four Day
E-mail: ttraglia@pvellc.com	E-mail: ttraglia@pvellc.com	E-mail: talvarado@pvellc.com	YOUR PO#: 20220641_PFAS	Standard (5-7 Day) X

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.

Trevor Traglia

Samples Collected by: (print your name above and sign below)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York X
New Jersey
Connecticut
Pennsylvania
Other

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDEP SRP HazSite
NJDKQP | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB-27 0-4 20221116	S	11/16/22/10:15	PFAS (NY 21 list) Via 537.1 M.	1-125mL Plastic
SB-28 0-4 20221116		/10:30		
SB-29 0-4 20221116		/10:40		
SB-29 4-8 20221116		/10:50		
SB-30 0-4 20221116		/11:05		
SB-30 4-8 20221116		/11:15		
SB-31 0-4 20221116		/11:25		
FB 20221116	W	11/16/22/10:10		

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: _____

Special Instruction
Field Filtered ____
Lab to Filter ____

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
PVE	11-17-22 9:40	Chris York	11-17-22 9:40	Chris York	11-17-22 1540
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
					11/17/22 1140 / 5-9