BROOKHAVEN CALABRO AIRPORT TERMINAL BUILDING
135 DAWN DRIVE
SHIRLEY, NEW YORK 11967

UNDERGROUND INJECTION CONTROL REMEDIATION REPORT

PREPARED FOR:

Suffolk County Department of Health Services
Office of Pollution Control
15 Horseblock Place
Farmingville, New York 11738

ON BEHALF OF:

Town of Brookhaven
1 Independence Hill
Farmingville, New York 11738

PREPARED BY:

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PWGC Project Number: BRK2302

JUNE 2023

UNDERGROUND INJECTION CONTROL REMEDIATION REPORT
135 DAWN DRIVE, SHIRLEY, NEW YORK 11967

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P.W. GROSSER CONSULTING, INC • P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, PC
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1.0 INTRODUCTION

This Underground Control Structure (UIC) Remediation Report has been prepared by P.W. Grosser Consulting Inc. (PWGC), on behalf of the Town of Brookhaven, for the property located at 135 Dawn Drive in Shirley, New York. This report documents the results of remedial activities performed on UIC structures at the above-referenced site. The scope of work was based on PWGC's April 12, 2023, UIC Remediation Work Plan which documented the nature of contamination identified in impacted sanitary structures at the subject property.

1.1 Site Description and Features

The airport terminal building is located at 135 Dawn Drive in Shirley, New York. Previous investigations have identified that there are two sanitary systems associated with the airport terminal building. One system is connected to the north side of the terminal building which includes bathrooms and a restaurant. The sanitary system consists of a grease trap (GT_001) for the restaurant, a septic tank (ST_001), a distribution box, and three primary leaching pools (LP_002, LP_003, and LP_004). The other system is connected to the south side of the terminal building which includes a bathroom, slop sink, and former floor drains that have since been abandoned. There is one leaching pool (LP_001) associated with this system.

The location of the sanitary systems is shown in **Figure 1**.

1.2 Project Background

1.2.1 Site Characterization

On January 3, 2023, PWGC mobilized to the site to perform characterization of the onsite sanitary systems associated with the maintenance building. This characterization included the existing grease trap (GT_001) and septic tank (ST_001) and all sanitary leaching pools.

Analytical results indicate that two structures exceeded Action Levels for volatile organic compounds (VOCs). LP_003 exceeded the Action Level for 1,4-dichlorobenzene at 5,800 micrograms per kilogram (µg/kg), above the Action Level of 3,600 µg/kg. GT_001 exceeded the Action Level for toluene at 5,300 µg/kg, above the Action Level of 3,000 µg/kg.

Metals analytical results indicate that one structure exceeded Action Levels for chromium. The leaching pool LP_002 contained a chromium concentration of 131 milligram per kilogram (mg/kg), above the action level of 100 mg/kg. None of the other structures contained metals exceeding Action Levels.

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2.0 REMEDIAL ACTIVITIES

As specified in PWGC's April 12, 2023 Work Plan, the following UIC structures at the site were remediated in accordance with SCDHS procedures:

- Sanitary Grease Trap (GT_001)
- Septic Tank (ST_001)*
- Leaching Pool (LP_001)*
- Leaching Pool (LP_002)
- Leaching Pool (LP_003)
- Leaching Pool (LP_004)*

* These structures were remediated under a New York State Department of Environmental Conservation (NYSDEC) agreement.

Remedial activities were performed between May 1 and June 16, 2023, by Island Pump and Tank, LLC of East Northport, New York under the oversight of PWGC personnel.

2.1 Liquids Removal

A vacuum powered pump truck was used to remove liquids from the impacted structures which contained liquids. Liquids were disposed of at Clear Flo in Lindenhurst, New York. A total of 9,000 gallons of liquid waste was generated and disposed of. Waste manifests are included in **Appendix A**.

2.2 Soil/Sediment Removal

Following removal of liquids, a Guzzler Truck was used to remove impacted sediments until visually clean/non-stained, native soils were encountered; except for GT_001 and ST_001. GT_001 and ST_001 have solid bottoms. PWGC personnel were onsite to inspect the structures following remediation. A total of 30.85 tons of non-hazardous soil were generated during remediation. Nonhazardous soil was transported to Dale in West Babylon, New York for disposal. Waste manifests are included in **Appendix A**.

2.3 Endpoint Sample Collection

Following removal of sediment from the leaching pools, confirmatory endpoint soil samples were collected from the base of each structure to document the effectiveness of the cleanout. Samples were not collected from GT_001 and ST_001 as they have solid bottoms. The solid bottoms were inspected and found to be free of cracks and/or penetrations.

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2.3.1 *Sampling Protocol*

A soil/sludge sample was retrieved from the base of each structure utilizing a stainless-steel hand auger. Prior to and in-between sampling, equipment was decontaminated using a laboratory-grade glassware detergent and tap water scrub to remove visual contamination; generous tap water rinse; followed by a distilled water rinse. Three grab samples were retrieved from the base of each structure. Grab samples were screened with a PID to detect the presence of volatile organic vapors. The PID screening did not identify any potential impact, so a sample was collected at random from the three grab samples. The sample was placed in laboratory supplied bottle ware and placed on ice in a cooler for delivery to York Analytical Laboratories, Inc. (York), a NYSDOH ELAP certified laboratory, under proper chain of custody procedures. The samples were analyzed for:

- VOCs by United States Environmental Protection Agency (USEPA) Method 8260 SCDHS list
- Semi-volatile organic compounds (SVOCs) by USEPA Method 8270 SCDHS List
- Metals by USEPA Methods 6010/7471 SCDHS List

Mr. Ethan Helgans, a representative from SCDHS, was on site to inspect the structures prior to PWGC collecting the endpoint sample.

2.3.2 *Analytical Results*

Endpoint soil sample results were compared to the Cleanup Objectives specified in SCDHS SOP 9-95, Pumpout and Soil Cleanup Criteria.

VOCs, SVOCs, and metals were not detected above Cleanup Objectives in the confirmatory soil samples collected following the initial cleanout except for LP_002 where mercury was detected at a concentration of 1.31 mg/kg. Following supplemental remediation at LP_002, mercury levels were reduced to below the Cleanup Objectives.

Based on analytical results, remedial efforts at the site were successful.

Analytical data is summarized in **Table 1** through 3; laboratory analytical reports are included in **Appendix B**.

3.0 CONCLUSIONS AND RECOMMENDATIONS

PWGC implemented a remediation program for the onsite sanitary systems at the property located at 135 Dawn Drive in Shirley, New York. Work was performed in accordance with PWGC's April 13, 2023 UIC Remediation Work Plan.

3.1 Remedial Activities

The scope of work for remediation consisted of the removal of impacted liquids and sediment from affected structures. Remedial activities were performed by Island Pump and Tank, LLC of East Northport, New York under the oversight of PWGC personnel between May 1 and June 16, 2023. Wastes generated during remediation consisted of:

- 9,000 gallons of liquids from the sanitary systems was disposed of at Clear Flo of Lindenhurst, New York.
- 30.85 tons of sludge/sediment from the sanitary system was disposed of at Dale Transfer Corp of West Babylon, New York.

3.2 Endpoint Sample Data

The confirmatory endpoint samples collected from the remediated structure did not yield concentrations greater than SCDHS Cleanup Objectives.

3.3 Recommendations

Based on endpoint sample results, the remedial effort was successful, and PWGC recommends that a No Further Action letter be issued for the site.

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FIGURE

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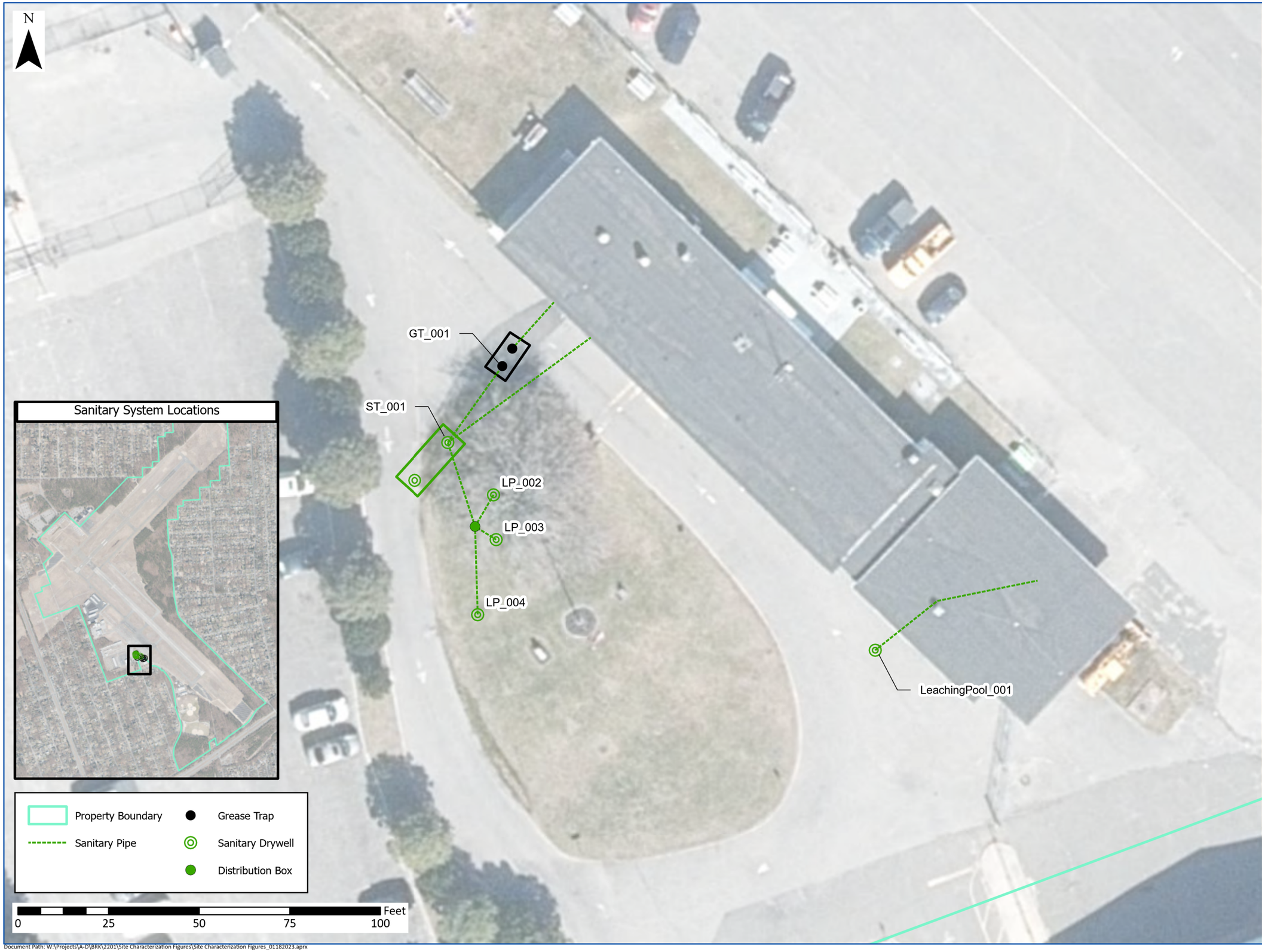

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DRAWING PREPARED FOR:

Town of Brookhaven
1 Independence Hill
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REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	BRK2202	Designed by:	MP
Date:	1/18/2023	Drawn by:	PH
Scale:	AS SHOWN	Approved by:	DE

SANITARY SYSTEM LOCATIONS

135 Dawn Drive
Shirley, New York 11967

FIGURE NO:

1

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TABLES

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Table 1
Endpoint Sample Analytical Results
Volatile Organic Compounds
Brookhaven Calabro Airport Site
135 Dawn Drive
Shirley, New York 11967

Client Sample ID: Laboratory ID: Sampling Date:	CAS #	SCDHS Cleanup Objective [1]	LP_002 23E0134-02 5/2/2023		LP_002 23F1188-01 6/16/2023		LP_003 23E0134-03 5/2/2023	
Volatile Organic Compounds by USEPA method 8260 in µg/kg								
1,1,1,2-Tetrachloroethane	630-20-6	300	7.9	U	2.3	U	2.9	U
1,1,1-Trichloroethane	71-55-6	700	7.9	U	2.3	U	2.9	U
1,1,2,2-Tetrachloroethane	79-34-5	400	7.9	U	2.3	U	2.9	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	6,000	7.9	U	2.3	U	2.9	U
1,1,2-Trichloroethane	79-00-5	100	7.9	U	2.3	U	2.9	U
1,1-Dichloroethane	75-34-3	300	7.9	U	2.3	U	2.9	U
1,1-Dichloroethylene	75-35-4	300	7.9	U	2.3	U	2.9	U
1,1-Dichloropropylene	563-58-6	100	7.9	U	2.3	U	2.9	U
1,2,3-Trichlorobenzene	87-61-6	8,300	7.9	U	2.3	U	2.9	U
1,2,3-Trichloropropane	96-18-4	50	7.9	U	2.3	U	2.9	U
1,2,4,5-Tetramethylbenzene	95-93-2	8,800	7.9	U	2.3	U	2.9	U
1,2,4-Trichlorobenzene	120-82-1	8,300	7.9	U	2.3	U	2.9	U
1,2,4-Trimethylbenzene	95-63-6	3,600	7.9	U	2.3	U	2.9	U
1,2-Dibromo-3-chloropropane	96-12-8	50	7.9	U	2.3	U	2.9	U
1,2-Dibromoethane	106-93-4	300	7.9	U	2.3	U	2.9	U
1,2-Dichlorobenzene	95-50-1	1,100	7.9	U	2.3	U	2.9	U
1,2-Dichloroethane	107-06-2	50	7.9	U	2.3	U	2.9	U
1,2-Dichloropropane	78-87-5	50	7.9	U	2.3	U	2.9	U
1,3,5-Trimethylbenzene	108-67-8	8,400	7.9	U	2.3	U	2.9	U
1,3-Dichlorobenzene	541-73-1	2,400	7.9	U	2.3	U	2.9	U
1,3-Dichloropropane	142-28-9	300	7.9	U	2.3	U	2.9	U
1,4-Dichlorobenzene	106-46-7	1,800	7.9	U	2.3	U	2.9	U
1,4-Dioxane	123-91-1	NS	160	U	45	U	59	U
2,2-Dichloropropane	594-20-7	300	7.9	U	2.3	U	2.9	U
2-Butanone	78-93-3	200	7.9	U	2.3	U	2.9	U
2-Chloroethylvinyl ether	110-75-8	500	32	U	9.0	U	12	U
2-Chlorotoluene	95-49-8	2,600	7.9	U	2.3	U	2.9	U
2-Hexanone	591-78-6	6,700	7.9	U	2.3	U	2.9	U
2-Nitropropane	79-46-9	300	7.9	U	2.3	U	2.9	U
4-Chlorotoluene	106-43-4	2,600	7.9	U	2.3	U	2.9	U
4-Methyl-2-pentanone	108-10-1	700	7.9	U	2.3	U	2.9	U
Acetone	67-64-1	NS	35		88		20	
Acrolein	107-02-8	50	16	U	4.5	U	5.9	U
Acrylonitrile	107-13-1	50	7.9	U	2.3	U	2.9	U
Allyl chloride	107-05-1	200	7.9	U	2.3	U	2.9	U
Benzene	71-43-2	60	7.9	U	2.3	U	2.9	U
Bromobenzene	108-86-1	1,400	7.9	U	2.3	U	2.9	U
Bromochloromethane	74-97-5	200	7.9	U	2.3	U	2.9	U
Bromodichloromethane	75-27-4	2,300	7.9	U	2.3	U	2.9	U
Bromoform	75-25-2	6,300	7.9	U	2.3	U	2.9	U
Bromomethane	74-83-9	NS	7.9	U	2.3	U	2.9	U
Carbon disulfide	75-15-0	2,800	7.9	U	2.3	U	2.9	U
Carbon tetrachloride	56-23-5	800	7.9	U	2.3	U	2.9	U
Chlorobenzene	108-90-7	1,100	7.9	U	2.3	U	2.9	U
Chlorodifluoromethane (Freon 22)	75-45-6	50	7.9	U	2.3	U	2.9	U
Chloroethane	75-00-3	200	7.9	U	2.3	U	2.9	U
Chloroform	67-66-3	400	7.9	U	2.3	U	2.9	U
Chloromethane	74-87-3	50	7.9	U	2.3	U	2.9	U
cis-1,2-Dichloroethylene	156-59-2	250	7.9	U	2.3	U	2.9	U
cis-1,3-Dichloropropylene	10061-01-5	50	7.9	U	2.3	U	2.9	U
cis-decahydronaphthalene	493-01-6	100,000	7.9	U	2.3	U	2.9	U
Dibromochloromethane	124-48-1	3,100	7.9	U	2.3	U	2.9	U
Dibromomethane	74-95-3	200	7.9	U	2.3	U	2.9	U
Dichlorodifluoromethane	75-71-8	300	7.9	U	2.3	U	2.9	U
Ethyl Benzene	100-41-4	1,000	7.9	U	2.3	U	2.9	U
Ethyl Ether	60-29-7	300	7.9	U	2.3	U	2.9	U
Ethyl Methacrylate	97-63-2	2,100	7.9	U	2.3	U	2.9	U
Ethyl tert-butyl ether (ETBE)	637-92-3	2,000	13	U	3.6	U	4.7	U
Hexachlorobutadiene	87-68-3	27,000	7.9	U	2.3	U	2.9	U
Hexachloroethane	67-72-1	1,100	7.9	U	2.3	U	2.9	U
Iodomethane	74-88-4	100	7.9	U	2.3	U	2.9	U
Isopropylbenzene	98-82-8	4,700	7.9	U	2.3	U	2.9	U
Limonene	5989-27-5	100,000	70		2.3	U	2.9	U
Methyl Isothiocyanate (TIC)	556-61-6	300	160	U	59	U	59	U
Methyl Methacrylate	80-62-6	700	7.9	U	2.3	U	2.9	U
Methyl tert-butyl ether (MTBE)	1634-04-4	100	7.9	U	2.3	U	2.9	U
Methylene chloride	75-09-2	50	16	U	4.5	U	5.9	U
Naphthalene	91-20-3	12,000	7.9	U	2.3	U	2.9	U
n-butyl acetate	123-86-4	10,000	7.9	U	2.3	U	2.9	U
n-Butylbenzene	104-51-8	5,900	7.9	U	2.3	U	2.9	U
n-Decane	124-18-5	100,000	14	J	2.3	U	2.9	U
n-Hexane	110-54-3	73,000	7.9	U	2.3	U	2.9	U
Nitrobenzene	98-95-3	50	7.9	U	2.3	U	2.9	U
n-Nonane	111-84-2	100,000	7.9	U	2.3	U	2.9	U
n-octane	111-65-9	100,000	7.9	U	2.3	U	2.9	U
n-Propylbenzene	103-65-1	4,000	7.9	U	2.3	U	2.9	U
n-undecane	1120-21-4	100,000	7.9	U	2.3	U	2.9	U
o-Xylene	95-47-6	NS	7.9	U	2.3	U	2.9	U
p- & m- Xylenes	179601-23-1	NS	16	U	4.5	U	5.9	U
p-Diethylbenzene	105-05-5	26,000	7.9	U	2.3	U	2.9	U
p-Ethyltoluene	622-96-8	4,500	7.9	U	2.3	U	2.9	U
p-Isopropyltoluene	99-87-6	11,000	7.9	U	2.3	U	2.9	U
sec-Butylbenzene	135-98-8	5,900	7.9	U	2.3	U	2.9	U
Styrene	100-42-5	4,600	7.9	U	2.3	U	2.9	U
tert-Amyl methyl ether (TAME)	994-05-8	2,000	13	U	3.6	U	4.7	U
tert-Butylbenzene	98-06-6	5,900	7.9	U	2.3	U	2.9	U
Tetrachloroethylene	127-18-4	1,300	7.9	U	2.3	U	2.9	U
Tetrahydrofuran	109-99-9	1,100	16	U	4.5	U	5.9	U
Toluene	108-88-3	1,500	7.9	U	2.3	U	2.9	U
trans-1,2-Dichloroethylene	156-60-5	200	7.9	U	2.3	U	2.9	U
trans-1,3-Dichloropropylene	10061-02-6	50	7.9	U	2.3	U	2.9	U
trans-decahydronaphthalene	493-02-7	100,000	7.9	U	2.3	U	2.9	U
Trichloroethylene	79-01-6	500	7.9	U	2.3	U	2.9	U
Trichlorofluoromethane	75-69-4	800	7.9	U	2.3	U	2.9	U
Vinyl acetate	108-05-4	300	7.9	U	2.3	U	2.9	U
Vinyl Chloride	75-01-4	50	7.9	U	2.3	U	2.9	U
Xylenes, Total	1330-20-7	1,600	24	U	6.8	U	8.8	U

Notes:
(1) Acleanup Objectives, SCDHS Article 12 - SOP 9-95, July 2010.
NS - No Standard
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
Highlighted text denotes concentrations exceeding the SCDHS Cleanup Objective

Table 2
Endpoint Sample Analytical Results
Semi-Volatile Organic Compounds
Brookhaven Calabro Airport Site
135 Dawn Drive
Shirley, New York 11967

Client Sample ID: Laboratory ID: Sampling Date:	CAS #	SCDHS Cleanup Objective [(1)]	LP_002 23E0134-02 5/2/2023		LP_002 23F1188-01 6/16/2023		LP_003 23E0134-03 5/2/2023	
Method: 8270 D - Semivolatile Organic Compounds (GC/MS) - (µg/kg)								
Acenaphthene	83-32-9	98,000	66.7	U	41.6	U	47.7	U
Anthracene	120-12-7	100,000	66.7	U	41.6	U	47.7	U
Benzo(a)anthracene	56-55-3	1,000	521		41.6	U	47.7	U
Benzo(a)pyrene	50-32-8	22,000	373		41.6	U	47.7	U
Benzo(b)fluoranthene	205-99-2	1,700	702		41.6	U	47.7	U
Benzo(ghi)perylene	191-24-2	100,000	309		41.6	U	47.7	U
Benzo(k)fluoranthene	207-08-9	1,700	257		41.6	U	47.7	U
Chrysene	218-01-9	1,000	423		41.6	U	47.7	U
Dibenzo(a,h)anthracene	53-70-3	100,000	92.5	J	41.6	U	47.7	U
Fluoranthene	206-44-0	100,000	291		41.6	U	47.7	U
Fluorene	86-73-7	100,000	66.7	U	41.6	U	47.7	U
Indeno(1,2,3-cd)Pyrene	193-39-5	8,000	341		41.6	U	47.7	U
Phenanthrene	85-01-8	100,000	66.7	U	41.6	U	47.7	U
Pyrene	129-00-0	100,000	270		41.6	U	47.7	U

Notes:
(1) Cleanup Objectives, SCDHS Article 12 - SOP 9-95, July 2010.
NS - No Standard
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
Highlighted text denotes concentrations exceeding SCDHS Cleanup Objective

Table 3
Endpoint Sample Analytical Results
Metals
Brookhaven Calabro Airport Site
135 Dawn Drive
Shirley, New York 11967

Client Sample ID: Laboratory ID: Sampling Date:	CAS #	SCDHS Cleanup Objective [1]	LP_002 23E0134-02 5/2/2023		LP_002 23F1188-01 6/16/2023		LP_003 23E0134-03 5/2/2023	
Method: 6010C - Metals (ICP) - (mg/kg)								
Arsenic, Total	7440-38-2	6	2.15		1.27	U	1.44	U
Barium, Total	7440-39-3	820	194		6.39		2.39	U
Beryllium, Total	7440-41-7	47	0.067	U	0.043	U	0.048	U
Cadmium, Total	7440-43-9	7.5	0.535		0.254	U	0.287	U
Chromium, Total	7440-47-3	20	10.0		1.28		1.07	
Copper, Total	7440-50-8	1,700	985		12.6		5.73	
Lead, Total	7439-92-1	450	58.3		2.20		0.865	
Nickel, Total	7440-02-0	130	3.65		0.843	U	0.953	U
Selenium, Total	7782-49-2	NS	3.33	U	2.12	U	2.39	U
Silver, Total	7440-22-4	10	3.83		0.427	U	0.482	U
Method: 7471B - Mercury (CVAA) - (mg/kg)								
Mercury, Total	7439-97-6	0.7	1.31		0.0676		0.0423	

Notes:
(1) Cleanup Objectives, SCDHS Article 12 - SOP 9-95, July 2010.
NS - No Standard
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
Highlighted text denotes concentrations exceeding the SCDHS Cleanup Objective

APPENDIX A

P.W. GROSSER CONSULTING, INC • P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, PC
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NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NYCESQG99999

Manifest Document No.: 100873

2. Page 1 of 1

3. Generator's Name and Mailing Address
TOWN OF BROOKHAVEN
1 INDEPENDENCE HILL
FARMINGVILLE NY 11738

4. Generator's Phone (631 451-6212

135 DAWN DRIVE
SHIRLEY NY 11967

5. Transporter 1 Company Name: ISLAND PUMP & TANK CORP.

6. US EPA ID Number: NYR000191726

A. State Transporter's ID

B. Transporter 1 Phone: 631 462-2226

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
DALE TRANSFER CORP.
129 DALE STREET
WEST BABYLON NY 11704

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone: 631 393-2882

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-RCRA & NON-DOT REGULATED MATERIALS (STORM & SANITARY SLUDGE)	001	CM	18,640	P
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a.
b.
c.
d.

H. Handling Codes for Wastes Listed Above
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
CALABRO AIRPORT - PROFILE #2023-232

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: RYAN OWENS
Signature:
Date: Month 5 Day 1 Year 23

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: AGENT 4 TPT
Signature: AGENT 4 TPT
Date: Month 5 Day 1 Year 23

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: Armando Sanchez
Signature:
Date: Month 5 Day 1 Year 23

NON-HAZARDOUS WASTE

B-TEK SCALES, LLC.

TIME: 5/1/2023 1:43:28 PM
TRUCK: 100873

DRIVER ID: 00
MANIFEST: 00
LICENSE PLATE: 00

TOTAL AXLE WEIGHT: ~~102480~~
AXLE 1: 43960
AXLE 2: ~~43960~~
AXLE 3: 14680

THANK YOU!

58640
40000

18,640 lbs

9.32 tons

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N Y C E S Q G 9 9 9 9 9

Manifest Document No.: 100874

2. Page 1 of 1

3. Generator's Name and Mailing Address
TOWN OF BROOKHAVEN
1 INDEPENDENCE HILL
FARMINGVILLE NY 11738

4. Generator's Phone (6 3 1 4 5 1 - 6 2 1 2

135 DAWN DRIVE
SHIRLEY NY 11967

5. Transporter 1 Company Name: ISLAND PUMP & TANK CORP.

6. US EPA ID Number: N Y R 0 0 0 1 9 1 7 2 6

A. State Transporter's ID

B. Transporter 1 Phone: 631 462-2226

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
DALE TRANSFER CORP.
129 DALE STREET
WEST BABYLON NY 11704

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone: 631 393-2882

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-RCRA & NON-DOT REGULATED MATERIALS (STORM & SANITARY SLUDGE)	001	C M	10,820 g	P
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a.
b.
c.
d.

H. Handling Codes for Wastes Listed Above
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
CALABRO AIRPORT - PROFILE #2023-232

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: x D HAMBLeton

Signature: D Hamblet

Date: Month 5 Day 12 Year 23

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: AGENT 4 TPT

Signature: AGENT 4 TPT

Date: Month 5 Day 12 Year 23

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:

Signature:

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Armando Sanchez

Signature:

Date: Month 5 Day 12 Year 23

NON-HAZARDOUS WASTE

B-TEK SCALES, LLC.

TIME: 5/2/2023 2:42:18 PM
TRUCK: 200233

DRIVER ID: 000
MANIFEST: 100874
LICENSE PLATE: 00

TOTAL AXLE WEIGHT: 50820
AXLE 1: 36000
AXLE 2: 14820 40000

THANK YOU!

10820 lbs

5.41 tons

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NYCESQG99999

Manifest Document No.: 100900

2. Page 1 of 1

GENERATOR

3. Generator's Name and Mailing Address:
TOWN OF BROOKHAVEN
1 INDEPENDENCE HILL
FARMINGVILLE NY 11738

4. Generator's Phone (631 451-6212

135 DAWN DRIVE
SHIRLEY NY 11967

5. Transporter 1 Company Name: ISLAND PUMP & TANK CORP.

6. US EPA ID Number: NYR000191726

A. State Transporter's ID

B. Transporter 1 Phone: 631 462-2226

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address:
DALE TRANSFER CORP.
129 DALE STREET
WEST BABYLON NY 11704

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone: 631 393-2882

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-RCRA & NON-DOT REGULATED MATERIALS (STORM & SANITARY SLUDGE)	001	CM	16,180 #	P
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a.
b.
c.
d.

H. Handling Codes for Wastes Listed Above
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
CALABRO AIRPORT - PROFILE #2023-232

NON-HAZARDOUS WASTE

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Ryan Owen
Signature:
Date: Month 5 Day 3 Year 23

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: August 4 #1
Signature: August 4 #1
Date: Month 5 Day 3 Year 23

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Armando Sanchez
Signature:
Date: Month 5 Day 3 Year 23

B-TEK SCALES, LLC.

TIME: 5/3/2023 1:06:48 PM
TRUCK: 900

DRIVER ID: 44
MANIFEST: 90
LICENSE PLATE: 9

TOTAL AXLE WEIGHT: 56180
AXLE 1: 43200
AXLE 2: 12980

40000

THANK YOU!

16,180 lbs

8.09 tons

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NYCESQG999999

Manifest Document No.: 100962

2. Page 1 of 1

3. Generator's Name and Mailing Address:
TOWN OF BROOKHAVEN
1 INDEPENDENCE HILL
FARMINGVILLE NY 11738

4. Generator's Phone (631) 451-6212

135 DAWN DRIVE
SHIRLEY NY 11967

5. Transporter 1 Company Name: ISLAND PUMP & TANK CORP.

6. US EPA ID Number: NYR000191726

A. State Transporter's ID

B. Transporter 1 Phone: 631 462-2226

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address:
DALE TRANSFER CORP.
129 DALE STREET
WEST BABYLON NY 11704

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone: 631 393-2882

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-RCRA & NON-DOT REGULATED MATERIALS (STORM & SANITARY SLUDGE)	001	CM	~~8.03~~ 4	P
b.			16,060	
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a.
b.
c.
d.

H. Handling Codes for Wastes Listed Above
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
CALABRO AIRPORT - PROFILE #2023-232

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Agent 4 DOT	Agent 4 DOT	6 20 23

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Agent 4 DOT	Agent 4 DOT	6 20 23

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
Armando Sanchez		6 20 23

NON-HAZARDOUS WASTE

B-TEK SCALES, LLC.

TIME: 6/20/2023 11:34:08 AM
TRUCK: 962

DRIVER ID: 620
MANIFEST: 100962
LICENSE PLATE: 00

TOTAL AXLE WEIGHT: 56060
AXLE 1: 42700
AXLE 2: 13360

THANK YOU!

40,000

16,060

8.03 tons

PERMIT 364
TRUCK 4
GALLONS 3000

ALLSTORMDBAN 0300025

30T-364-04

FALSE STATEMENTS MADE HEREON ARE PUNISHABLE AS A CLASS A MISDEMEANOR

DRIVER'S SIGNATURE

050824

INTY OF SUFFOLK
GER WASTE DISPOSAL

ED BY	BAY #
JM	2

DISCHARGE AUTHORIZATION

SOURCE OF WASTE	
NAME Calabro Airport	☐ RES ☑ COMM ☐ AUTH IND
ADDRESS 135 Dawn Dr. Shirley.	
NAME	☐ RES ☐ COMM ☐ AUTH IND
ADDRESS	
NAME	☐ RES ☐ COMM ☐ AUTH IND
ADDRESS	

CLEAR FLO TECHNOLOGIES, INC.
110 Rte. 109
N. Lindenhurst, N.Y. 11757
Tel: (631) 956-7600
Fax: (631) 956-7020

MANIFEST NUMBER		
Part 1	Part 2	Part 3
		304107
Date of Pick-Up 5-1-23	Time of Pick-Up 11:00	Chronological Number /Also Used as Sample #
(Use 2 Digit Numbers) Example 040103	(Military Time)	(Assigned at Clear Flo-Receiving Station)

LIQUID WASTE DISCHARGE MANIFEST

1. WASTEWATER STREAM IDENTIFICATION (Sections 1A, 1B, & 1C must be completed by generator or hauler)

A. Volume:	**Gallons:** 2,000	**Wt. In:**		**Wt. Out:**	
B. Type:	☐ Condensate Water	☐ Decant Grease	☐ Grease	☐ Industrial Rinse	☐ Leachate
	☐ Leachate Pool	☐ Pharmaceutical	☒ Septic/Septage	☐ Sludge	☐ Storm Water
	☐ STP Effluent	☐ Transfer Leachate	**Other:**		
C. Source	☐ Home/Apt.	☐ Office/Commercial	☐ Municipal	☐ Industrial	☐ Other

Description of Other and Special Handling Instructions, if Any: _____

2. GENERATOR OF WASTESWATER (Sections 2A, 2B, & 2C must be completed by generator or hauler)

A. Complete Name (print or type): Calabro Airport **B.** Tel. No.: _____

C. Complete Pick-Up Address: 135 Dawn Dr. Shirley 9000

ALL WASTEWATERS ARE SUBJECT TO THE TERMS AND CONDITIONS CONTAINED IN THE DISCHARGE PERMIT

The undersigned, being duly authorized, does hereby certify to the best of their knowledge to the accuracy of the source and type of wastewater identified and subject to this manifest. **SECTION D GENERATOR SIGNATURE REQUIRED.**

D. Signature of Generator or Agent: _____ Date: 5-1-23

3. HAULER OF LIQUID WASTE (Sections 3A, 3B, 3C, 3D, and 3E must be completed by hauler)

A. Company Name (print or type): All Storm Drain

B. SCDPW Permit No.: _____ **C.** Vehicle License No.: 36188NK **D.** Pump Out Date: 5-1-23

E. NYS DEC Permit No.: 4969

The above described liquid waste was picked up and hauled by me to the disposal facility named below and was discharged. I certify under penalty of perjury that the foregoing is true and correct.

F. Signature of Authorized Agent and Title: _____

4. ACCEPTANCE BY CLEAR FLO TECHNOLOGIES, INC. (must be completed by disposer)

The above hauler delivered the described wastewater to the disposal facility and it was accepted.

Disposal Date: 5-1-23 Sample ID No.: 304107

Signature of Authorized Agent and Title: _____

WHITE - DISPOSAL FACILITY **YELLOW - TRANSPORTER** **PINK - GENERATOR** **GOLD - FILE**

DLCO

CLEAR FLO TECHNOLOGIES, INC.
1110 Rte. 109
N. Lindenhurst, N.Y. 11757
Tel: (631) 956-7600
Fax: (631) 956-7020

MANIFEST NUMBER		
Part 1	Part 2	Part 3
		304209
Date of Pick-Up 5-2-23	Time of Pick-Up 8:30	Chronological Number /Also Used as Sample #
(Use 2 Digit Numbers) Example 040103	(Military Time)	(Assigned at Clear Flo-Receiving Station)

LIQUID WASTE DISCHARGE MANIFEST

1. WASTEWATER STREAM IDENTIFICATION (Sections 1A, 1B, & 1C must be completed by generator or hauler)

A. Volume:	**Gallons:** 3000	**Wt. In:**		**Wt. Out:**	
B. Type:	☐ Condensate Water	☐ Decant Grease	☐ Grease	☐ Industrial Rinse	☐ Leachate
	☐ Leachate Pool	☐ Pharmaceutical	☒ Septic/Septage	☐ Sludge	☐ Storm Water
	☐ STP Effluent	☐ Transfer Leachate	**Other:**		
C. Source	☐ Home/Apt.	☐ Office/Commercial	☐ Municipal	☐ Industrial	☐ Other

Description of Other and Special Handling Instructions, if Any: _____

2. GENERATOR OF WASTESWATER (Sections 2A, 2B, & 2C must be completed by generator or hauler)

A. Complete Name (print or type): Calabro Airport B. Tel. No.: _____

C. Complete Pick-Up Address: 135 Dawn D Shirley

ALL WASTEWATERS ARE SUBJECT TO THE TERMS AND CONDITIONS CONTAINED IN THE DISCHARGE PERMIT

The undersigned, being duly authorized, does hereby certify to the best of their knowledge to the accuracy of the source and type of wastewater identified and subject to this manifest. **SECTION D GENERATOR SIGNATURE REQUIRED.**

D. Signature of Generator or Agent: _____ Date: 5-2-23

3. HAULER OF LIQUID WASTE (Sections 3A, 3B, 3C, 3D, and 3E must be completed by hauler)

A. Company Name (print or type): All Storm Drains

B. SCDPW Permit No.: _____ C. Vehicle License No.: 96/88MK D. Pump Out Date: 5-2-23

E. NYS DEC Permit No.: 11969

The above described liquid waste was picked up and hauled by me to the disposal facility named below and was discharged. I certify under penalty of perjury that the foregoing is true and correct.

F. Signature of Authorized Agent and Title: _____

4. ACCEPTANCE BY CLEAR FLO TECHNOLOGIES, INC. (must be completed by disposer)

The above hauler delivered the described wastewater to the disposal facility and it was accepted.

Disposal Date: 5-2-23 Sample ID No.: 304209

Signature of Authorized Agent and Title: _____

WHITE - DISPOSAL FACILITY YELLOW - TRANSPORTER PINK - GENERATOR GOLD - FILE

APPENDIX B

P.W. GROSSER CONSULTING, INC • P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, PC
631.589.6353 • WWW.PWGROSSER.COM • PWGC.INFO@PWGROSSER.COM
BOHEMIA • MANHATTAN • SARATOGA SPRINGS • SYRACUSE • SHELTON, CT

Technical Report

prepared for:

P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia NY, 11716
Attention: Derek Ersbak

Report Date: 05/11/2023
Client Project ID: BRK2302
York Project (SDG) No.: 23E0134

Report Date: 05/11/2023
Client Project ID: BRK2302
York Project (SDG) No.: 23E0134

P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia NY, 11716
Attention: Derek Ersbak

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 May 02, 2023 and listed below. The project was identified as your project: **BRK2302**.

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
23E0134-01	LP_001	Soil	05/01/2023	05/02/2023
23E0134-02	LP_002	Soil	05/01/2023	05/02/2023
23E0134-03	LP_003	Soil	05/01/2023	05/02/2023
23E0134-04	DUP_001	Soil	05/01/2023	05/02/2023
23E0134-05	Equipment Blank	Water	05/02/2023	05/02/2023
23E0134-06	Field Blank	Water	05/02/2023	05/02/2023
23E0134-07	Trip Blank	Water	05/02/2023	05/02/2023

General Notes for York Project (SDG) No.: 23E0134

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:** 05/11/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: LP_001 **York Sample ID:** 23E0134-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:20 pm	05/02/2023

PFAS, EPA 1633 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.116	0.186	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0556	0.210	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 22:56	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.110	0.210	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 22:56	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.188	0.192	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.180	0.210	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 22:56	ESJ
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**0.429**		ug/kg dry	0.175	0.195	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 22:56	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.198	0.210	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 22:56	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.200	0.210	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 22:56	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.208	0.210	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 22:56	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.171	0.210	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 22:56	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.131	0.210	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 22:56	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.108	0.210	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 22:56	ESJ
2355-31-9	N-MeFOSAA	ND		ug/kg dry	0.155	0.210	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 22:56	ESJ
2991-50-6	**N-EtFOSAA**	**0.304**		ug/kg dry	0.203	0.210	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 22:56	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.114	0.419	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 22:56	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.153	0.210	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.163	0.210	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.200	0.202	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.624	0.797	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.792	0.805	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 22:56	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.114	0.839	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 22:56	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.146	0.373	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ

Sample Information

Client Sample ID: LP_001 **York Sample ID:** 23E0134-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:20 pm	05/02/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.202	0.419	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0650	0.419	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.101	0.419	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.165	0.197	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.624	0.786	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.638	0.839	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.326	0.793	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.258	0.784	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.182	0.793	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.177	0.203	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.130	0.201	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.665	1.05	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.20	5.24	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.57	5.24	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.641	2.10	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.189	0.210	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.731	2.10	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.208	0.210	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 22:56	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*118 %*	*25-150*
Surrogate: M5PFHxA	*98.3 %*	*25-150*
Surrogate: M4PFHpA	*94.5 %*	*25-150*
Surrogate: M3PFHxS	*115 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*68.1 %*	*25-150*
Surrogate: M6PFDA	*84.1 %*	*25-150*
Surrogate: M7PFUdA	*101 %*	*25-150*

Sample Information

Client Sample ID: LP_001 **York Sample ID:** 23E0134-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:20 pm	05/02/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*97.2 %*			*25-150*						
	Surrogate: M2PFTeDA	*79.7 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*80.1 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*130 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*88.9 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*84.6 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*81.1 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*89.4 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*143 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*64.5 %*			*25-200*						
	Surrogate: M9PFNA	*69.5 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*116 %*			*25-150*						
	Surrogate: d-N-MeFOSA	*39.8 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*118 %*			*25-150*						
	Surrogate: M3HFPO-DA	*105 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*38.4 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*47.1 %*			*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**	**94.4**		%	0.100	1	SM 2540G	05/10/2023 17:17	05/10/2023 17:18	AC
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23E0134-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:05 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23E0134-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:05 pm	05/02/2023

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.16	0.32	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04 NELAC-NY10854,NELAC-NY12058,NJDEP	BMC

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23E0134-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:05 pm	05/02/2023

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.032	0.063	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
591-78-6	2-Hexanone	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	**Acetone**	**0.035**	CCVE, ICVE, QL-02	mg/kg dry	0.016	0.032	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
107-02-8	Acrolein	ND		mg/kg dry	0.016	0.032	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	Benzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-86-1	Bromobenzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-25-2	Bromoform	ND	CCVE, QL-02	mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-00-3	Chloroethane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23E0134-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:05 pm	05/02/2023

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:04	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:04	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:04	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:04	BMC
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.013	0.025	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
64-17-5	* Ethanol	ND		mg/kg dry	0.13	0.25	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:04	BMC
60-29-7	* Ethyl Ether	ND		mg/kg dry	0.079	0.16	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.013	0.025	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:04	BMC
74-88-4	* Iodomethane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:04	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:04	BMC
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP	05/09/2023 16:04	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:04	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:04	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.016	0.032	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:04	BMC
91-20-3	Naphthalene	ND		mg/kg dry	0.0079	0.032	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:04	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:04	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:04	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/09/2023 16:04	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.016	0.032	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/09/2023 16:04	BMC
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23E0134-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:05 pm	05/02/2023

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:04	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:04	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:04	BMC
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.13	0.25	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.013	0.025	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:04	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:04	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:04	BMC
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.016	0.032	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:04	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:04	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:04	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723	05/09/2023 16:04	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:04	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:04	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:04	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:04	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.024	0.047	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	05/09/2023 16:04	BMC
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
123-86-4	* n-butyl acetate	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
75-45-6	* Chlorodifluoromethane (Freon 22)	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
493-01-6	* cis-decahydronaphthalene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23E0134-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:05 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
493-02-7	* trans-decahydronaphthalene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
124-18-5	* **n-Decane**	**0.014**	J	mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
97-63-2	* Ethyl Methacrylate	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
67-72-1	* Hexachloroethane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
110-54-3	* n-Hexane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
5989-27-5	* **Limonene**	**0.070**		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
98-95-3	* Nitrobenzene	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
79-46-9	* 2-Nitropropane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
111-84-2	* n-Nonane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
111-65-9	* n-octane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
1120-21-4	* n-undecane	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC
556-61-6	* Methyl Isothiocyanate (TIC)	ND		mg/kg dry	0.16	0.16	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:04	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*114 %*	*76-130*

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23E0134-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:05 pm	05/02/2023

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
90-12-0	* 1-Methylnaphthalene	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 16:43	KH

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23E0134-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:05 pm	05/02/2023

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 NELAC-NY10854,NJDEP,PADEP	KH
62-53-3	Aniline	ND		mg/kg dry	0.266	0.533	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 NELAC-NY10854,NJDEP,PADEP	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 NELAC-NY10854,NJDEP,PADEP	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 NELAC-NY10854,NJDEP,PADEP	KH
92-87-5	Benzidine	ND		mg/kg dry	0.266	0.533	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 CTDOH-PH-0723,NELAC-NY10854,PADEP	KH
56-55-3	**Benzo(a)anthracene**	**0.521**		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
50-32-8	**Benzo(a)pyrene**	**0.373**		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
205-99-2	**Benzo(b)fluoranthene**	**0.702**		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
191-24-2	**Benzo(g,h,i)perylene**	**0.309**		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
207-08-9	**Benzo(k)fluoranthene**	**0.257**		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 NELAC-NY10854,NJDEP,PADEP	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 NELAC-NY10854,NJDEP,PADEP	KH
85-68-7	**Benzyl butyl phthalate**	**0.113**	J	mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23E0134-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:05 pm	05/02/2023

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.561**		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.133	0.266	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.423**		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
1319-77-3	* Cresols, total	ND		mg/kg dry	0.133	0.266	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:			
53-70-3	**Dibenzo(a,h)anthracene**	**0.0925**	J	mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.133	0.266	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.291**		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.341**		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D	05/09/2023 08:08	05/09/2023 16:43	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23E0134-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:05 pm	05/02/2023

SVOA, 8270 MASTER

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 16:43	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 16:43	KH
82-68-8	* Pentachloronitrobenzene	ND		mg/kg dry	0.133	0.266	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 16:43	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 16:43	KH
108-95-2	Phenol	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 16:43	KH
2312-35-8	* Propargite	ND		mg/kg dry	0.266	0.533	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43	KH
129-00-0	**Pyrene**	**0.270**		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 16:43	KH
110-86-1	Pyridine	ND		mg/kg dry	0.266	0.533	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 16:43	KH
6025-45-2	* Resorcinol	ND		mg/kg dry	0.266	0.533	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 16:43	KH
56-38-2	Parathion	ND		mg/kg dry	0.0667	0.133	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/09/2023 16:43	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*50.8 %*	*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*53.1 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*52.7 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*58.2 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*90.6 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*75.9 %*	*24-116*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg	0.0196	1	EPA 8270D SIM Certifications:	05/07/2023 13:49 NELAC-NY10854	05/08/2023 19:18	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*81.9 %*	*39-127.5*

PFAS, EPA 1633 Target List

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23E0134-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:05 pm	05/02/2023

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**0.220**	J	ug/kg dry	0.176	0.280	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**3.85**		ug/kg dry	0.0838	0.316	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:09	ESJ
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**1.70**		ug/kg dry	0.166	0.316	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:09	ESJ
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**1.12**		ug/kg dry	0.283	0.289	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
335-67-1	**Perfluorooctanoic acid (PFOA)**	**9.85**		ug/kg dry	0.272	0.316	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:09	ESJ
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**18.6**		ug/kg dry	0.264	0.294	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:09	ESJ
375-95-1	**Perfluorononanoic acid (PFNA)**	**0.914**		ug/kg dry	0.299	0.316	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:09	ESJ
335-76-2	**Perfluorodecanoic acid (PFDA)**	**3.69**		ug/kg dry	0.302	0.316	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:09	ESJ
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	**0.427**		ug/kg dry	0.313	0.316	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:09	ESJ
307-55-1	**Perfluorododecanoic acid (PFDoA)**	**0.808**		ug/kg dry	0.258	0.316	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:09	ESJ
72629-94-8	**Perfluorotridecanoic acid (PFTrDA)**	**0.260**	J	ug/kg dry	0.198	0.316	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:09	ESJ
376-06-7	**Perfluorotetradecanoic acid (PFTA)**	**0.169**	J	ug/kg dry	0.163	0.316	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:09	ESJ
2355-31-9	**N-MeFOSAA**	**42.2**		ug/kg dry	0.234	0.316	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:09	ESJ
2991-50-6	**N-EtFOSAA**	**179**		ug/kg dry	3.07	3.16	10	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/09/2023 13:10	ESJ
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	**1.77**		ug/kg dry	0.172	0.632	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:09	ESJ
754-91-6	*** Perfluoro-1-octanesulfonamide (FOSA)**	**2.91**		ug/kg dry	0.231	0.316	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.245	0.316	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
335-77-3	*** Perfluoro-1-decanesulfonic acid (PFDS)**	**15.7**		ug/kg dry	0.302	0.305	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.941	1.20	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
39108-34-4	**1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**3.04**		ug/kg dry	1.19	1.21	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:09	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.172	1.26	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:09	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.220	0.563	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23E0134-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:05 pm	05/02/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.305	0.632	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0980	0.632	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.152	0.632	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.248	0.297	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.941	1.19	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.961	1.26	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.492	1.20	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.389	1.18	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.275	1.20	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
79780-39-5	*** Perfluorododecanesulfonic acid (PFDoS)**	**0.290**	J	ug/kg dry	0.267	0.307	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.196	0.304	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	1.00	1.58	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	3.32	7.91	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	2.37	7.91	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	9.66	31.6	10	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/09/2023 13:10	ESJ
24448-09-7	*** N-MeFOSE**	**5.31**		ug/kg dry	0.966	3.16	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	2.85	3.16	10	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/09/2023 13:10	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.285	0.316	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	11.0	31.6	10	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/09/2023 13:10	ESJ
1691-99-2	*** N-EtFOSE**	**2.52**	J	ug/kg dry	1.10	3.16	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	3.13	3.16	10	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/09/2023 13:10	ESJ
4151-50-2	*** N-EtFOSA**	**0.325**		ug/kg dry	0.313	0.316	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:09	ESJ

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23E0134-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:05 pm	05/02/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFBS	*99.9 %*			*25-150*						
	Surrogate: M3PFBS	*78.2 %*			*25-150*						
	Surrogate: M5PFHxA	*82.8 %*			*25-150*						
	Surrogate: M5PFHxA	*95.0 %*			*25-150*						
	Surrogate: M4PFHpA	*79.5 %*			*25-150*						
	Surrogate: M4PFHpA	*63.7 %*			*25-150*						
	Surrogate: M3PFHxS	*103 %*			*25-150*						
	Surrogate: M3PFHxS	*68.1 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*78.7 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*83.8 %*			*25-150*						
	Surrogate: M6PFDA	*117 %*			*25-150*						
	Surrogate: M6PFDA	*89.9 %*			*25-150*						
	Surrogate: M7PFUdA	*22.7 %*			*25-150*						
	Surrogate: M7PFUdA	*78.3 %*			*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*64.0 %*			*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*68.0 %*			*25-150*						
	Surrogate: M2PFTeDA	*65.5 %*			*10-150*						
	Surrogate: M2PFTeDA	*52.7 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*22.3 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*14.7 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*101 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*145 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*64.3 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*75.4 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*91.1 %*			*10-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*50.8 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*205 %*			*25-150*						
	Surrogate: d3-N-MeFOSAA	*95.0 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*82.3 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*97.5 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*113 %*			*25-200*						

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23E0134-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:05 pm	05/02/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M2-6:2 FTS	*303 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*223 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*279 %*			*25-200*						
	Surrogate: M9PFNA	*102 %*			*25-150*						
	Surrogate: M9PFNA	*69.4 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*250 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*305 %*			*25-150*						
	Surrogate: d-N-MeFOSA	*87.7 %*			*25-150*						
	Surrogate: d-N-MeFOSA	*29.0 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*1220 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*63.2 %*			*25-150*						
	Surrogate: M3HFPO-DA	*83.4 %*			*25-150*						
	Surrogate: M3HFPO-DA	*79.9 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*57.3 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*40.3 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*89.4 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*23.5 %*			*25-150*						

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND	P	mg/kg dry	0.00263	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 13:54	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00263	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 13:54	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00263	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 13:54	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00263	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 13:54	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00263	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 13:54	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00263	5	EPA 8081B Certifications:	05/10/2023 20:55 NELAC-NY10854,NJDEP	05/11/2023 13:54	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00263	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 13:54	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00263	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 13:54	BCJ
60-57-1	**Dieldrin**	**0.00282**		mg/kg dry	0.00263	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 13:54	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00263	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 13:54	BCJ

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23E0134-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:05 pm	05/02/2023

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00263	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854	05/11/2023 13:54	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00263	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 13:54	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00263	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 13:54	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00263	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 13:54	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00263	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 13:54	BCJ

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*84.6 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*72.9 %*	*30-150*

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0266	1	EPA 8082A Certifications:	05/09/2023 20:30 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/11/2023 02:36	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0266	1	EPA 8082A Certifications:	05/09/2023 20:30 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/11/2023 02:36	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0266	1	EPA 8082A Certifications:	05/09/2023 20:30 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/11/2023 02:36	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0266	1	EPA 8082A Certifications:	05/09/2023 20:30 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/11/2023 02:36	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0266	1	EPA 8082A Certifications:	05/09/2023 20:30 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/11/2023 02:36	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0266	1	EPA 8082A Certifications:	05/09/2023 20:30 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/11/2023 02:36	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0266	1	EPA 8082A Certifications:	05/09/2023 20:30 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/11/2023 02:36	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0266	1	EPA 8082A Certifications:	05/09/2023 20:30	05/11/2023 02:36	BCJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*63.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*59.0 %*	*30-120*

HERB, 8151 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

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

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23E0134-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:05 pm	05/02/2023

HERB, 8151 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0315	1	EPA 8151A	05/08/2023 08:38	05/09/2023 15:24	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*81.6 %*	*21-150*

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**2.15**		mg/kg dry	2.00	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:48	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**194**		mg/kg dry	3.33	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:48	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.067	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:48	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.535**		mg/kg dry	0.400	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:48	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**10.0**		mg/kg dry	0.667	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:48	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**985**		mg/kg dry	2.67	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:48	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**58.3**		mg/kg dry	0.667	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:48	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**4.50**		mg/kg dry	0.667	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:48	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**3.65**		mg/kg dry	1.33	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:48	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.33	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:48	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**3.83**	M-CCV 1	mg/kg dry	0.672	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:48	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**93.7**		mg/kg dry	3.32	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:48	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**1.31**		mg/kg dry	0.0480	1	EPA 7473	05/09/2023 13:39	05/09/2023 19:16	AGNR
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23E0134-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:05 pm	05/02/2023

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.800	1	EPA 7196A	05/05/2023 14:54	05/08/2023 15:56	ZTS
							Certifications:	NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**10.0**		mg/kg	0.500	1	Calculation	05/10/2023 08:42	05/10/2023 16:57	PAM
							Certifications:			

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.800	1	EPA 9014/9010C	05/08/2023 08:41	05/08/2023 14:10	JAMT
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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**	**62.5**		%	0.100	1	SM 2540G	05/09/2023 09:59	05/09/2023 13:31	VR
							Certifications:	CTDOH-PH-0723		

Sample Information

Client Sample ID: LP_003 **York Sample ID:** 23E0134-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:30 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/09/2023 10:34	05/09/2023 16:30	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/09/2023 10:34	05/09/2023 16:30	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/09/2023 10:34	05/09/2023 16:30	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LP_003 **York Sample ID:** 23E0134-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:30 pm	05/02/2023

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.059	0.12	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.012	0.024	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC

Sample Information

Client Sample ID: LP_003 **York Sample ID:** 23E0134-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:30 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
67-64-1	**Acetone**	**0.020**	CCVE, ICVE, QL-02	mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	05/09/2023 16:30	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:30	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:30	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
75-25-2	Bromoform	ND	CCVE, QL-02	mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:30	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:30	BMC

Sample Information

Client Sample ID: LP_003 **York Sample ID:** 23E0134-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:30 pm	05/02/2023

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:30	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:30	BMC
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
64-17-5	* Ethanol	ND		mg/kg dry	0.047	0.094	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
60-29-7	* Ethyl Ether	ND		mg/kg dry	0.029	0.059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:30	BMC
74-88-4	* Iodomethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:30	BMC
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP	05/09/2023 16:30	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:30	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
91-20-3	Naphthalene	ND		mg/kg dry	0.0029	0.012	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:30	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/09/2023 16:30	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/09/2023 16:30	BMC
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:30	BMC

Sample Information

Client Sample ID: LP_003 **York Sample ID:** 23E0134-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:30 pm	05/02/2023

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.047	0.094	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0088	0.018	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
123-86-4	* n-butyl acetate	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
75-45-6	* Chlorodifluoromethane (Freon 22)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
493-01-6	* cis-decahydronaphthalene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
493-02-7	* trans-decahydronaphthalene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
124-18-5	* n-Decane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC

Sample Information

Client Sample ID: LP_003 **York Sample ID:** 23E0134-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:30 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
97-63-2	* Ethyl Methacrylate	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
67-72-1	* Hexachloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
110-54-3	* n-Hexane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
5989-27-5	* Limonene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
98-95-3	* Nitrobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
79-46-9	* 2-Nitropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
111-84-2	* n-Nonane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
111-65-9	* n-octane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
1120-21-4	* n-undecane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC
556-61-6	* Methyl Isothiocyanate (TIC)	ND		mg/kg dry	0.059	0.059	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:30	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.6 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*76-130*

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH

Sample Information

Client Sample ID: LP_003 **York Sample ID:** 23E0134-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:30 pm	05/02/2023

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
90-12-0	* 1-Methylnaphthalene	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH

Sample Information

Client Sample ID: LP_003 **York Sample ID:** 23E0134-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:30 pm	05/02/2023

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 NELAC-NY10854,NJDEP,PADEP	KH
62-53-3	Aniline	ND		mg/kg dry	0.191	0.381	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 NELAC-NY10854,NJDEP,PADEP	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 NELAC-NY10854,NJDEP,PADEP	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 NELAC-NY10854,NJDEP,PADEP	KH
92-87-5	Benzidine	ND		mg/kg dry	0.191	0.381	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,PADEP	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 NELAC-NY10854,NJDEP,PADEP	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 NELAC-NY10854,NJDEP,PADEP	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: LP_003 **York Sample ID:** 23E0134-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:30 pm	05/02/2023

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-74-8	Carbazole	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
1319-77-3	* Cresols, total	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 NELAC-NY10854,NJDEP,PADEP	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 NELAC-NY10854,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: LP_003 **York Sample ID:** 23E0134-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:30 pm	05/02/2023

SVOA, 8270 MASTER

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
82-68-8	* Pentachloronitrobenzene	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
108-95-2	Phenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
2312-35-8	* Propargite	ND		mg/kg dry	0.191	0.381	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
110-86-1	Pyridine	ND		mg/kg dry	0.191	0.381	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:14	KH
6025-45-2	* Resorcinol	ND		mg/kg dry	0.191	0.381	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:14	KH
56-38-2	Parathion	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/09/2023 08:08	05/09/2023 17:14	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*59.8 %*	*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*63.0 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*60.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*64.1 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*93.7 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*80.3 %*	*24-116*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg	0.0187	1	EPA 8270D SIM Certifications: NELAC-NY10854	05/07/2023 13:49	05/08/2023 19:35	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*55.6 %*	*39-127.5*

PFAS, EPA 1633 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.126	0.202	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ

Sample Information

Client Sample ID: LP_003 **York Sample ID:** 23E0134-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:30 pm	05/02/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.0604	0.228	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:21	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.120	0.228	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:21	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.204	0.208	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
335-67-1	**Perfluorooctanoic acid (PFOA)**	**0.254**		ug/kg dry	0.196	0.228	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:21	ESJ
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**0.431**		ug/kg dry	0.190	0.212	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:21	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.215	0.228	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:21	ESJ
335-76-2	**Perfluorodecanoic acid (PFDA)**	**0.238**		ug/kg dry	0.218	0.228	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:21	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.226	0.228	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:21	ESJ
307-55-1	**Perfluorododecanoic acid (PFDoA)**	**0.201**	J	ug/kg dry	0.186	0.228	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:21	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.142	0.228	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:21	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.117	0.228	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:21	ESJ
2355-31-9	**N-MeFOSAA**	**2.17**		ug/kg dry	0.169	0.228	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:21	ESJ
2991-50-6	**N-EtFOSAA**	**14.2**		ug/kg dry	0.221	0.228	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:21	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.124	0.456	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:21	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.166	0.228	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.177	0.228	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
335-77-3	*** Perfluoro-1-decanesulfonic acid (PFDS)**	**2.70**		ug/kg dry	0.218	0.220	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.678	0.866	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.860	0.875	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:21	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.124	0.911	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:21	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.158	0.406	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.220	0.456	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0706	0.456	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ

Sample Information

Client Sample ID: LP_003 **York Sample ID:** 23E0134-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:30 pm	05/02/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.109	0.456	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.179	0.214	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.678	0.854	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.693	0.911	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.354	0.861	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.280	0.852	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.198	0.861	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.193	0.221	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.141	0.219	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.722	1.14	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.39	5.70	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.71	5.70	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.696	2.28	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.205	0.228	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.794	2.28	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.226	0.228	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:21	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*109 %*	*25-150*
Surrogate: M5PFHxA	*89.5 %*	*25-150*
Surrogate: M4PFHpA	*94.4 %*	*25-150*
Surrogate: M3PFHxS	*99.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*87.9 %*	*25-150*
Surrogate: M6PFDA	*73.5 %*	*25-150*
Surrogate: M7PFUdA	*92.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*91.5 %*	*25-150*
Surrogate: M2PFTeDA	*98.5 %*	*10-150*

Sample Information

Client Sample ID: LP_003 **York Sample ID:** 23E0134-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:30 pm	05/02/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*83.8 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*75.2 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*91.7 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*69.6 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*102 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*109 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*186 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*214 %*			*25-200*						
	Surrogate: M9PFNA	*49.3 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*177 %*			*25-150*						
	Surrogate: d-N-MeFOSA	*54.7 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*95.8 %*			*25-150*						
	Surrogate: M3HFPO-DA	*95.9 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*54.6 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*62.4 %*			*25-150*						

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 14:12	BCJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 14:12	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 14:12	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 14:12	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 14:12	BCJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	05/10/2023 20:55 NELAC-NY10854,NJDEP	05/11/2023 14:12	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 14:12	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 14:12	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 14:12	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 14:12	BCJ

Sample Information

Client Sample ID: LP_003 **York Sample ID:** 23E0134-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:30 pm	05/02/2023

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854	05/11/2023 14:12	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 14:12	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 14:12	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 14:12	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications:	05/10/2023 20:55 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 14:12	BCJ

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*82.4 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*73.9 %*	*30-150*

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	05/09/2023 20:30 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/11/2023 02:49	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	05/09/2023 20:30 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/11/2023 02:49	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	05/09/2023 20:30 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/11/2023 02:49	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	05/09/2023 20:30 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/11/2023 02:49	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	05/09/2023 20:30 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/11/2023 02:49	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	05/09/2023 20:30 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/11/2023 02:49	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	05/09/2023 20:30 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/11/2023 02:49	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	05/09/2023 20:30	05/11/2023 02:49	BCJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*67.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*69.5 %*	*30-120*

HERB, 8151 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

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

Sample Information

Client Sample ID: LP_003 **York Sample ID:** 23E0134-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:30 pm	05/02/2023

HERB, 8151 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0223	1	EPA 8151A	05/08/2023 08:38	05/09/2023 15:34	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*88.6 %*	*21-150*

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.44	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:51	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	ND		mg/kg dry	2.39	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:51	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.048	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:51	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.287	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:51	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**1.07**		mg/kg dry	0.479	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:51	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**5.73**		mg/kg dry	1.91	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:51	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**0.865**		mg/kg dry	0.479	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:51	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**1.47**		mg/kg dry	0.479	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:51	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/kg dry	0.953	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:51	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.39	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:51	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND	M-CCV 1	mg/kg dry	0.482	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:51	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	ND		mg/kg dry	2.38	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:51	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0423**		mg/kg dry	0.0345	1	EPA 7473	05/09/2023 13:39	05/09/2023 19:25	AGNR
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LP_003 **York Sample ID:** 23E0134-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 2:30 pm	05/02/2023

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.574	1	EPA 7196A	05/05/2023 14:54	05/08/2023 15:56	ZTS
							Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**1.07**		mg/kg	0.500	1	Calculation	05/10/2023 08:42	05/10/2023 16:57	PAM
							Certifications:			

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.574	1	EPA 9014/9010C	05/08/2023 08:41	05/08/2023 14:10	JAMT
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			

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**	**87.1**		%	0.100	1	SM 2540G	05/09/2023 09:59	05/09/2023 13:31	VR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: DUP_001 **York Sample ID:** 23E0134-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:00 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	05/09/2023 10:34	05/09/2023 16:58	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	05/09/2023 10:34	05/09/2023 16:58	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	05/09/2023 10:34	05/09/2023 16:58	BMC
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			

Sample Information

Client Sample ID: DUP_001 **York Sample ID:** 23E0134-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:00 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.011	0.023	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC

Sample Information

Client Sample ID: DUP_001 **York Sample ID:** 23E0134-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:00 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
67-64-1	**Acetone**	**0.024**	CCVE, ICVE, QL-02	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-25-2	Bromoform	ND	CCVE, QL-02	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC

Sample Information

Client Sample ID: DUP_001 **York Sample ID:** 23E0134-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:00 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:58	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:58	BMC
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
64-17-5	* Ethanol	ND		mg/kg dry	0.045	0.090	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:58	BMC
60-29-7	* Ethyl Ether	ND		mg/kg dry	0.028	0.056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:58	BMC
74-88-4	* Iodomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:58	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:58	BMC
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP	05/09/2023 16:58	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:58	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:58	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:58	BMC
91-20-3	Naphthalene	ND		mg/kg dry	0.0028	0.011	1	EPA 8260C Certifications:	05/09/2023 10:34 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2023 16:58	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:58	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:58	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/09/2023 16:58	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/09/2023 16:58	BMC
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/09/2023 16:58	BMC

Sample Information

Client Sample ID: DUP_001 **York Sample ID:** 23E0134-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:00 pm	05/02/2023

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.045	0.090	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC CTDOH-PH-0723
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
123-86-4	* n-butyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
75-45-6	* Chlorodifluoromethane (Freon 22)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
493-01-6	* cis-decahydronaphthalene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
493-02-7	* trans-decahydronaphthalene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
124-18-5	* n-Decane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC

Sample Information

Client Sample ID: DUP_001 **York Sample ID:** 23E0134-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:00 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
97-63-2	* Ethyl Methacrylate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
67-72-1	* Hexachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
110-54-3	* n-Hexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
5989-27-5	* Limonene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
98-95-3	* Nitrobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
79-46-9	* 2-Nitropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
111-84-2	* n-Nonane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
111-65-9	* n-octane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
1120-21-4	* n-undecane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC
556-61-6	* Methyl Isothiocyanate (TIC)	ND		mg/kg dry	0.056	0.056	1	EPA 8260C Certifications:	05/09/2023 10:34	05/09/2023 16:58	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	*76-130*

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH

Sample Information

Client Sample ID: DUP_001 **York Sample ID:** 23E0134-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:00 pm	05/02/2023

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
90-12-0	* 1-Methylnaphthalene	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
59-50-7	**4-Chloro-3-methylphenol**	**0.0524**	J	mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH

Sample Information

Client Sample ID: DUP_001 **York Sample ID:** 23E0134-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:00 pm	05/02/2023

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08 NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
62-53-3	Aniline	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications:	05/09/2023 08:08 NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08 NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08 NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,PADEP	05/09/2023 17:45	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08 NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08 NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications:	05/09/2023 08:08 NELAC-NY10854,NJDEP,PADEP	05/09/2023 17:45	KH

Sample Information

Client Sample ID: DUP_001 **York Sample ID:** 23E0134-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:00 pm	05/02/2023

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-74-8	Carbazole	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
1319-77-3	* Cresols, total	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 NELAC-NY10854,NJDEP,PADEP	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 NELAC-NY10854,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: DUP_001 **York Sample ID:** 23E0134-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:00 pm	05/02/2023

SVOA, 8270 MASTER

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
82-68-8	* Pentachloronitrobenzene	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
108-95-2	Phenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
2312-35-8	* Propargite	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
110-86-1	Pyridine	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 08:08	05/09/2023 17:45	KH
6025-45-2	* Resorcinol	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications:	05/09/2023 08:08	05/09/2023 17:45	KH
56-38-2	Parathion	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/09/2023 08:08	05/09/2023 17:45	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*60.9 %*	*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*63.0 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*61.7 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*66.3 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*102 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*87.1 %*	*24-116*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg	0.0194	1	EPA 8270D SIM Certifications: NELAC-NY10854	05/07/2023 13:49	05/08/2023 19:53	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*51.2 %*	*39-127.5*

PFAS, EPA 1633 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.121	0.193	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ

Sample Information

Client Sample ID: DUP_001 **York Sample ID:** 23E0134-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:00 pm	05/02/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**0.106**	J	ug/kg dry	0.0577	0.218	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:33	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.114	0.218	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:33	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.195	0.199	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
335-67-1	**Perfluorooctanoic acid (PFOA)**	**0.236**		ug/kg dry	0.187	0.218	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:33	ESJ
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**0.458**		ug/kg dry	0.182	0.203	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:33	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.206	0.218	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:33	ESJ
335-76-2	**Perfluorodecanoic acid (PFDA)**	**0.286**		ug/kg dry	0.208	0.218	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:33	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.216	0.218	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:33	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.178	0.218	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:33	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.136	0.218	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:33	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.112	0.218	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:33	ESJ
2355-31-9	**N-MeFOSAA**	**2.38**		ug/kg dry	0.161	0.218	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:33	ESJ
2991-50-6	**N-EtFOSAA**	**13.6**		ug/kg dry	0.211	0.218	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:33	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.119	0.436	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:33	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.159	0.218	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.169	0.218	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
335-77-3	*** Perfluoro-1-decanesulfonic acid (PFDS)**	**1.66**		ug/kg dry	0.208	0.210	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.648	0.828	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.823	0.837	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:33	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.119	0.872	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/04/2023 12:39	05/08/2023 23:33	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.151	0.388	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.210	0.436	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0675	0.436	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ

Sample Information

Client Sample ID: DUP_001 **York Sample ID:** 23E0134-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:00 pm	05/02/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.105	0.436	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.171	0.205	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.648	0.817	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.662	0.872	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.339	0.824	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.268	0.815	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.190	0.824	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.184	0.211	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.135	0.209	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.691	1.09	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.29	5.45	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.63	5.45	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.666	2.18	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.196	0.218	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.759	2.18	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.216	0.218	1	EPA 1633 Draft 2 Certifications:	05/04/2023 12:39	05/08/2023 23:33	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*99.4 %*	*25-150*
Surrogate: M5PFHxA	*99.8 %*	*25-150*
Surrogate: M4PFHpA	*102 %*	*25-150*
Surrogate: M3PFHxS	*97.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*91.2 %*	*25-150*
Surrogate: M6PFDA	*80.7 %*	*25-150*
Surrogate: M7PFUdA	*88.5 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*84.5 %*	*25-150*
Surrogate: M2PFTeDA	*109 %*	*10-150*

Sample Information

Client Sample ID: DUP_001 **York Sample ID:** 23E0134-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:00 pm	05/02/2023

PFAS, EPA 1633 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*60.7 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*116 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*93.6 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*79.3 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*116 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*122 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*142 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*157 %*			*25-200*						
	Surrogate: M9PFNA	*101 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*149 %*			*25-150*						
	Surrogate: d-N-MeFOSA	*53.5 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*125 %*			*25-150*						
	Surrogate: M3HFPO-DA	*109 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*63.7 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*72.2 %*			*25-150*						

PEST, 8081 MASTER

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications:	05/07/2023 09:53 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 03:33	BCJ
72-55-9	4,4'-DDE	ND	P	mg/kg dry	0.00176	5	EPA 8081B Certifications:	05/07/2023 09:53 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 03:33	BCJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications:	05/07/2023 09:53 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 03:33	BCJ
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications:	05/07/2023 09:53 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 03:33	BCJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications:	05/07/2023 09:53 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 03:33	BCJ
5103-71-9	alpha-Chlordane	ND	P	mg/kg dry	0.00176	5	EPA 8081B Certifications:	05/07/2023 09:53 NELAC-NY10854,NJDEP	05/10/2023 03:33	BCJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications:	05/07/2023 09:53 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 03:33	BCJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications:	05/07/2023 09:53 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 03:33	BCJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications:	05/07/2023 09:53 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 03:33	BCJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications:	05/07/2023 09:53 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 03:33	BCJ

Sample Information

Client Sample ID: DUP_001 **York Sample ID:** 23E0134-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:00 pm	05/02/2023

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications:	05/07/2023 09:53 CTDOH-PH-0723,NELAC-NY10854	05/10/2023 03:33	BCJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications:	05/07/2023 09:53 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 03:33	BCJ
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications:	05/07/2023 09:53 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 03:33	BCJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications:	05/07/2023 09:53 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 03:33	BCJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications:	05/07/2023 09:53 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 03:33	BCJ

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*88.4 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*71.9 %*	*30-150*

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	05/07/2023 09:53 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/09/2023 09:14	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	05/07/2023 09:53 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/09/2023 09:14	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	05/07/2023 09:53 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/09/2023 09:14	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	05/07/2023 09:53 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/09/2023 09:14	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	05/07/2023 09:53 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/09/2023 09:14	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	05/07/2023 09:53 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/09/2023 09:14	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	05/07/2023 09:53 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/09/2023 09:14	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	05/07/2023 09:53	05/09/2023 09:14	BCJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*97.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*108 %*	*30-120*

HERB, 8151 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

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

Sample Information

Client Sample ID: DUP_001 **York Sample ID:** 23E0134-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:00 pm	05/02/2023

HERB, 8151 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0213	1	EPA 8151A	05/08/2023 08:38	05/09/2023 15:45	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*85.6 %*	*21-150*

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.37	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:54	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	ND		mg/kg dry	2.28	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:54	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.046	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:54	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.275	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:54	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**2.06**		mg/kg dry	0.458	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:54	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**4.23**		mg/kg dry	1.83	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:54	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**0.960**		mg/kg dry	0.458	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:54	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**1.20**		mg/kg dry	0.458	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:54	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/kg dry	0.912	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:54	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.29	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:54	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND	M-CCV 1	mg/kg dry	0.461	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:54	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	ND		mg/kg dry	2.28	1	EPA 6010D	05/09/2023 08:38	05/10/2023 14:54	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0371**		mg/kg dry	0.0329	1	EPA 7473	05/09/2023 13:39	05/09/2023 19:34	AGNR
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: DUP_001 **York Sample ID:** 23E0134-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Soil	May 1, 2023 3:00 pm	05/02/2023

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.549	1	EPA 7196A	05/05/2023 14:54	05/08/2023 15:56	ZTS
							Certifications: NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**2.06**		mg/kg	0.500	1	Calculation	05/10/2023 08:42	05/10/2023 16:57	PAM
							Certifications:			

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.549	1	EPA 9014/9010C	05/08/2023 08:41	05/08/2023 14:10	JAMT
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP			

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**	**91.1**		%	0.100	1	SM 2540G	05/09/2023 09:59	05/09/2023 13:31	VR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: Equipment Blank **York Sample ID:** 23E0134-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:30 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/10/2023 06:42	05/10/2023 16:33	JTG
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/10/2023 06:42	05/10/2023 16:33	JTG
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/10/2023 06:42	05/10/2023 16:33	JTG
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			

Sample Information

Client Sample ID: **Equipment Blank** **York Sample ID:** **23E0134-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:30 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG NELAC-NY10854,NELAC-NY12058,NJDEP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/L	50	100	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	10	20	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: **Equipment Blank** **York Sample ID:** **23E0134-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:30 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
591-78-6	2-Hexanone	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	**Acetone**	**18**	ICVE, QL-02	ug/L	5.0	10	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
107-02-8	Acrolein	ND		ug/L	5.0	10	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-82-7	Cyclohexane	ND	QL-02	ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: **Equipment Blank** **York Sample ID:** **23E0134-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:30 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2023 16:33	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2023 16:33	JTG
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	4.0	8.0	1	EPA 8260C Certifications:	05/10/2023 06:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2023 16:33	JTG
64-17-5	Ethanol	ND	QL-02	ug/L	40	80	1	EPA 8260C Certifications:	05/10/2023 06:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2023 16:33	JTG
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/10/2023 16:33	JTG
60-29-7	* Ethyl Ether	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	4.0	8.0	1	EPA 8260C Certifications:	05/10/2023 06:42 NELAC-NY10854,NELAC-NY12058,NJDEP	05/10/2023 16:33	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2023 16:33	JTG
74-88-4	* Iodomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/10/2023 16:33	JTG
79-20-9	Methyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2023 16:33	JTG
80-62-6	Methyl Methacrylate	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42 NELAC-NY10854,NELAC-NY12058,NJDEP	05/10/2023 16:33	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/10/2023 16:33	JTG
108-87-2	Methylcyclohexane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2023 16:33	JTG
75-09-2	**Methylene chloride**	**2.7**	J	ug/L	2.5	10	1	EPA 8260C Certifications:	05/10/2023 06:42 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	05/10/2023 16:33	JTG
91-20-3	Naphthalene	ND		ug/L	2.5	10	1	EPA 8260C Certifications:	05/10/2023 06:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2023 16:33	JTG
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/10/2023 16:33	JTG
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/10/2023 16:33	JTG
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/10/2023 16:33	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C Certifications:	05/10/2023 06:42 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/10/2023 16:33	JTG
105-05-5	* p-Diethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
622-96-8	* p-Ethyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/10/2023 16:33	JTG

Sample Information

Client Sample ID: **Equipment Blank** **York Sample ID:** **23E0134-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:30 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	40	80	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	4.0	8.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-65-0	tert-Butyl alcohol (TBA)	ND	QL-02	ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
109-99-9	* Tetrahydrofuran	ND		ug/L	5.0	10	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP
107-05-1	* Allyl chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
123-86-4	* n-butyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
75-45-6	* Chlorodifluoromethane (Freon 22)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
493-01-6	* cis-decahydronaphthalene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
493-02-7	* trans-decahydronaphthalene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
124-18-5	* n-Decane	ND	CCVE, QL-02	ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG

Sample Information

Client Sample ID: **Equipment Blank** **York Sample ID:** **23E0134-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:30 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
97-63-2	* Ethyl Methacrylate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
67-72-1	* Hexachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
110-54-3	* n-Hexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
5989-27-5	* Limonene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
98-95-3	* Nitrobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
79-46-9	* 2-Nitropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
111-84-2	* n-Nonane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
111-65-9	* n-octane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
1120-21-4	* n-undecane	ND	CCVE, QL-02	ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG
556-61-6	* Methyl Isothiocyanate (TIC)	ND		ug/L	5.0	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:33	JTG

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.3 %*	*65-135*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*100 %*	*86-118*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*81-114*

SVOA, 8270 LOW MASTER

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH

Sample Information

Client Sample ID: **Equipment Blank** **York Sample ID:** **23E0134-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:30 pm	05/02/2023

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
90-12-0	1-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854	05/08/2023 21:48	05/09/2023 18:39	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH

Sample Information

Client Sample ID: Equipment Blank **York Sample ID:** 23E0134-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:30 pm	05/02/2023

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 18:39	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 18:39	KH
83-32-9	Acenaphthene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 NELAC-NY10854	05/09/2023 18:39	KH
208-96-8	Acenaphthylene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 NELAC-NY10854	05/09/2023 18:39	KH
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 NELAC-NY10854,NJDEP,PADEP	05/09/2023 18:39	KH
98-55-5	* Alpha Terpineol	ND	CCVE	ug/L	5.41	10.8	1	EPA 8270D Certifications:	05/08/2023 21:48 PADEP	05/09/2023 18:39	KH
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 NELAC-NY10854,NJDEP,PADEP	05/09/2023 18:39	KH
120-12-7	Anthracene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 NELAC-NY10854	05/09/2023 18:39	KH
1912-24-9	* Atrazine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48	05/09/2023 18:39	KH
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 NELAC-NY10854,NJDEP,PADEP	05/09/2023 18:39	KH
92-87-5	Benzidine	ND	CCVE	ug/L	5.41	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 18:39	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 NELAC-NY10854	05/09/2023 18:39	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 NELAC-NY10854	05/09/2023 18:39	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 NELAC-NY10854	05/09/2023 18:39	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 NELAC-NY10854	05/09/2023 18:39	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 NELAC-NY10854	05/09/2023 18:39	KH
65-85-0	Benzoic acid	ND	CAL-E, QL-02	ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 NELAC-NY10854,NJDEP,PADEP	05/09/2023 18:39	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 NELAC-NY10854,NJDEP,PADEP	05/09/2023 18:39	KH
85-68-7	Benzyl butyl phthalate	ND	CCVE	ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 18:39	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 18:39	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.08	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 18:39	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 18:39	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48 NELAC-NY10854	05/09/2023 18:39	KH

Sample Information

Client Sample ID: Equipment Blank

York Sample ID: 23E0134-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:30 pm	05/02/2023

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
218-01-9	Chrysene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854	05/08/2023 21:48	05/09/2023 18:39	KH
1319-77-3	Cresols, total	ND		ug/L	10.8	16.2	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854	05/08/2023 21:48	05/09/2023 18:39	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854	05/08/2023 21:48	05/09/2023 18:39	KH
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
122-39-4	Diphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
206-44-0	Fluoranthene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854	05/08/2023 21:48	05/09/2023 18:39	KH
86-73-7	Fluorene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854	05/08/2023 21:48	05/09/2023 18:39	KH
118-74-1	Hexachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854	05/08/2023 21:48	05/09/2023 18:39	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854	05/08/2023 21:48	05/09/2023 18:39	KH
77-47-4	Hexachlorocyclopentadiene	ND	CCVE	ug/L	5.41	10.8	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
67-72-1	Hexachloroethane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854	05/08/2023 21:48	05/09/2023 18:39	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854	05/08/2023 21:48	05/09/2023 18:39	KH
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
91-20-3	Naphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854	05/08/2023 21:48	05/09/2023 18:39	KH
98-95-3	Nitrobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854	05/08/2023 21:48	05/09/2023 18:39	KH
62-75-9	* N-Nitrosodimethylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48	05/09/2023 18:39	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH

Sample Information

Client Sample ID: Equipment Blank **York Sample ID:** 23E0134-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:30 pm	05/02/2023

SVOA, 8270 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
82-68-8	* Pentachloronitrobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48	05/09/2023 18:39	KH
87-86-5	* Pentachlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48	05/09/2023 18:39	KH
85-01-8	* Phenanthrene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48	05/09/2023 18:39	KH
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
2312-35-8	* Propargite	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48	05/09/2023 18:39	KH
129-00-0	Pyrene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854	05/08/2023 21:48	05/09/2023 18:39	KH
110-86-1	Pyridine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 18:39	KH
6025-45-2	* Resorcinol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	05/08/2023 21:48	05/09/2023 18:39	KH
56-38-2	* Parathion	ND	CAL-E	ug/L	1.89	1.89	1	EPA 8270D Certifications: NJDEP	05/08/2023 21:48	05/09/2023 18:39	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*30.4 %*	*19.7-63.1*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*16.4 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*59.0 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*62.8 %*	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*100 %*	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*82.8 %*	*30.7-106*

SVOA, 8270 SIM MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 17:46	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 17:46	KH
120-12-7	Anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 17:46	KH
1912-24-9	Atrazine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/08/2023 21:48	05/09/2023 17:46	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 17:46	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 17:46	KH

Sample Information

Client Sample ID: **Equipment Blank** **York Sample ID:** **23E0134-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:30 pm	05/02/2023

SVOA, 8270 SIM MASTER

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 17:46	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 17:46	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 17:46	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND	CCVE	ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/08/2023 21:48	05/09/2023 17:46	KH
218-01-9	Chrysene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 17:46	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 17:46	KH
206-44-0	Fluoranthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 17:46	KH
86-73-7	**Fluorene**	**0.227**		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 17:46	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/08/2023 21:48	05/09/2023 17:46	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/08/2023 21:48	05/09/2023 17:46	KH
67-72-1	Hexachloroethane	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/08/2023 21:48	05/09/2023 17:46	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 17:46	KH
91-20-3	Naphthalene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 17:46	KH
98-95-3	Nitrobenzene	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/08/2023 21:48	05/09/2023 17:46	KH
62-75-9	N-Nitrosodimethylamine	ND	QL-02	ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/08/2023 21:48	05/09/2023 17:46	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/08/2023 21:48	05/09/2023 17:46	KH
85-01-8	Phenanthrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 17:46	KH
129-00-0	**Pyrene**	**0.0541**		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/08/2023 21:48	05/09/2023 17:46	KH

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	05/04/2023 09:25	05/05/2023 15:14	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*92.3 %*	*36.6-118*

Sample Information

Client Sample ID: **Equipment Blank** **York Sample ID:** **23E0134-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:30 pm	05/02/2023

PFAS, EPA 1633 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.844	3.18	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.628	3.59	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.27	3.59	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.22	3.28	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.754	3.59	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.47	3.34	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.933	3.59	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	1.35	3.59	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.03	3.59	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.58	3.59	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.33	3.59	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.24	3.59	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:39	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	1.42	3.59	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.85	3.59	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.413	7.18	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.58	3.59	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:39	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.63	3.43	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:39	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.37	3.46	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:39	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.90	13.6	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	3.68	13.8	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**1.91**	J	ng/L	0.592	14.4	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.898	6.39	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	3.84	7.18	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ

Sample Information

Client Sample ID: **Equipment Blank** **York Sample ID:** **23E0134-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:30 pm	05/02/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.449	7.18	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.664	7.18	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	1.36	3.37	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	3.21	13.5	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.80	14.4	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.48	13.6	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	1.26	13.4	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
919005-14-4	ADONA	ND		ng/L	0.951	13.6	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:39	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.67	3.48	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:39	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	1.54	3.45	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:39	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	3.64	8.98	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:39	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	13.2	44.9	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:39	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	17.0	44.9	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:39	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	7.16	35.9	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:39	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	2.84	3.59	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:39	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	7.16	35.9	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:39	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	3.23	3.59	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:39	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*159 %*	*25-150*
Surrogate: M5PFHxA	*123 %*	*25-150*
Surrogate: M4PFHpA	*114 %*	*25-150*
Surrogate: M3PFHxS	*158 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*118 %*	*25-150*
Surrogate: M6PFDA	*118 %*	*25-150*
Surrogate: M7PFUdA	*115 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*117 %*	*25-150*

Sample Information

Client Sample ID: **Equipment Blank** **York Sample ID:** **23E0134-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:30 pm	05/02/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M2PFTeDA	*86.2 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.85 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*125 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*79.1 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*135 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*128 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*138 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*157 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*151 %*			*25-200*						
	Surrogate: M9PFNA	*138 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*127 %*			*25-150*						
	Surrogate: d-N-MeFOSA	*109 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*212 %*			*25-150*						
	Surrogate: M3HFPO-DA	*145 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*110 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*119 %*			*25-150*						

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	1	EPA 8081B	05/05/2023 18:20	05/09/2023 21:17	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B	05/05/2023 18:20	05/09/2023 21:17	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B	05/05/2023 18:20	05/09/2023 21:17	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B	05/05/2023 18:20	05/09/2023 21:17	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B	05/05/2023 18:20	05/09/2023 21:17	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND	P	ug/L	0.00410	1	EPA 8081B	05/05/2023 18:20	05/09/2023 21:17	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B	05/05/2023 18:20	05/09/2023 21:17	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B	05/05/2023 18:20	05/09/2023 21:17	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B	05/05/2023 18:20	05/09/2023 21:17	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **Equipment Blank** **York Sample ID:** **23E0134-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:30 pm	05/02/2023

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications:	05/05/2023 18:20 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 21:17	BCJ
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications:	05/05/2023 18:20 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 21:17	BCJ
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications:	05/05/2023 18:20 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 21:17	BCJ
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications:	05/05/2023 18:20 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 21:17	BCJ
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications:	05/05/2023 18:20 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 21:17	BCJ
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications:	05/05/2023 18:20 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 21:17	BCJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications:	05/05/2023 18:20 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 21:17	BCJ
5566-34-7	gamma-Chlordane	ND	P	ug/L	0.0103	1	EPA 8081B Certifications:	05/05/2023 18:20 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 21:17	BCJ
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications:	05/05/2023 18:20 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 21:17	BCJ
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications:	05/05/2023 18:20 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 21:17	BCJ
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications:	05/05/2023 18:20 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 21:17	BCJ
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications:	05/05/2023 18:20 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/09/2023 21:17	BCJ

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*54.8 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.5 %*	*30-150*

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications:	05/05/2023 18:20 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/09/2023 23:01	BCJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications:	05/05/2023 18:20 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/09/2023 23:01	BCJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications:	05/05/2023 18:20 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/09/2023 23:01	BCJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications:	05/05/2023 18:20 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/09/2023 23:01	BCJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications:	05/05/2023 18:20 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/09/2023 23:01	BCJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications:	05/05/2023 18:20 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/09/2023 23:01	BCJ

Sample Information

Client Sample ID: **Equipment Blank** **York Sample ID:** **23E0134-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:30 pm	05/02/2023

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications:	05/05/2023 18:20 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/09/2023 23:01	BCJ
37324-23-5	Aroclor 1262	ND		ug/L	0.0513	1	EPA 8082A Certifications:	05/05/2023 18:20 NELAC-NY10854,NJDEP,PADEP	05/09/2023 23:01	BCJ
11100-14-4	Aroclor 1268	ND		ug/L	0.0513	1	EPA 8082A Certifications:	05/05/2023 18:20 NELAC-NY10854,NJDEP,PADEP	05/09/2023 23:01	BCJ
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	05/05/2023 18:20	05/09/2023 23:01	BCJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*96.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*78.0 %*	*30-150*

HERB, 8151 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND			5.00	1	EPA 8151A Certifications:	05/04/2023 08:22 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/05/2023 20:17	BJ-
93-72-1	2,4,5-TP (Silvex)	ND			5.00	1	EPA 8151A Certifications:	05/04/2023 08:22 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/05/2023 20:17	BJ-
94-75-7	2,4-D	ND			5.00	1	EPA 8151A Certifications:	05/04/2023 08:22 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/05/2023 20:17	BJ-
94-82-6	* 2,4-DB	ND			5.00	1	EPA 8151A Certifications:	05/04/2023 08:22	05/05/2023 20:17	BJ-
75-99-0	* Dalapon	ND			5.00	1	EPA 8151A Certifications:	05/04/2023 08:22 CTDOH-PH-0723	05/05/2023 20:17	BJ-
1918-00-9	Dicamba	ND			5.00	1	EPA 8151A Certifications:	05/04/2023 08:22 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/05/2023 20:17	BJ-

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*72.2 %*	*30-150*

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D Certifications:	05/09/2023 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 12:30	CW
7440-39-3	Barium	ND		mg/L	0.028	1	EPA 6010D Certifications:	05/09/2023 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 12:30	CW
7440-41-7	Beryllium	ND		mg/L	0.0006	1	EPA 6010D Certifications:	05/09/2023 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 12:30	CW
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010D Certifications:	05/09/2023 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 12:30	CW

Sample Information

Client Sample ID: Equipment Blank

York Sample ID: 23E0134-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:30 pm	05/02/2023

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.006	1	EPA 6010D Certifications:	05/09/2023 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 12:30	CW
7440-50-8	Copper	ND		mg/L	0.022	1	EPA 6010D Certifications:	05/09/2023 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 12:30	CW
7439-92-1	Lead	ND		mg/L	0.006	1	EPA 6010D Certifications:	05/09/2023 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 12:30	CW
7439-96-5	Manganese	ND		mg/L	0.006	1	EPA 6010D Certifications:	05/09/2023 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 12:30	CW
7440-02-0	Nickel	ND		mg/L	0.011	1	EPA 6010D Certifications:	05/09/2023 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 12:30	CW
7782-49-2	* Selenium	ND		mg/L	0.028	1	EPA 6010D Certifications:	05/09/2023 08:23 CTDOH-PH-0723	05/10/2023 12:30	CW
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications:	05/09/2023 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 12:30	CW
7440-66-6	Zinc	ND		mg/L	0.028	1	EPA 6010D Certifications:	05/09/2023 08:23 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/10/2023 12:30	CW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications:	05/11/2023 16:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/11/2023 16:47	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications:	05/02/2023 19:17 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/02/2023 22:08	SMK

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	05/10/2023 09:59	05/10/2023 16:57	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C-2016 / E-201 Certifications:	05/03/2023 14:37 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/03/2023 22:56	SL

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **23E0134-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:45 pm	05/02/2023

PFAS, EPA 1633 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.886	3.34	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.660	3.77	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.34	3.77	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.28	3.45	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
335-67-1	**Perfluorooctanoic acid (PFOA)**	**1.13**	J	ng/L	0.792	3.77	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.55	3.51	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.980	3.77	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	1.41	3.77	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.13	3.77	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.66	3.77	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.39	3.77	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.30	3.77	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:51	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	1.49	3.77	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.94	3.77	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.434	7.54	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.66	3.77	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:51	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.72	3.60	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:51	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.49	3.64	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:51	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.00	14.3	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	3.86	14.5	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**2.49**	J	ng/L	0.622	15.1	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.942	6.71	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	4.03	7.54	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **23E0134-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:45 pm	05/02/2023

PFAS, EPA 1633 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.471	7.54	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.697	7.54	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	1.43	3.54	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	3.37	14.1	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	6.09	15.1	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.60	14.2	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	1.32	14.1	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
919005-14-4	ADONA	ND		ng/L	0.999	14.2	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/03/2023 16:49	05/08/2023 18:51	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.75	3.66	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:51	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	1.62	3.62	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:51	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	3.83	9.42	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:51	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	13.8	47.1	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:51	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	17.8	47.1	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:51	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	7.52	37.7	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:51	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	2.98	3.77	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:51	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	7.52	37.7	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:51	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	3.39	3.77	1	EPA 1633 Draft 2 Certifications:	05/03/2023 16:49	05/08/2023 18:51	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*143 %*	*25-150*
Surrogate: M5PFHxA	*110 %*	*25-150*
Surrogate: M4PFHpA	*102 %*	*25-150*
Surrogate: M3PFHxS	*152 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*104 %*	*25-150*
Surrogate: M6PFDA	*95.8 %*	*25-150*
Surrogate: M7PFUdA	*132 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*111 %*	*25-150*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **23E0134-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 1:45 pm	05/02/2023

PFAS, EPA 1633 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M2PFTeDA	*89.3 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.49 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*130 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*85.0 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*108 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*102 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*83.0 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*147 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*101 %*			*25-200*						
	Surrogate: M9PFNA	*75.5 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*141 %*			*25-150*						
	Surrogate: d-N-MeFOSA	*98.3 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*113 %*			*25-150*						
	Surrogate: M3HFPO-DA	*127 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*80.6 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*85.4 %*			*25-150*						

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **23E0134-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 3:00 pm	05/02/2023

VOA, 8260 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/10/2023 06:42	05/10/2023 16:06	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/10/2023 06:42	05/10/2023 16:06	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/10/2023 06:42	05/10/2023 16:06	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	05/10/2023 06:42	05/10/2023 16:06	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	05/10/2023 06:42	05/10/2023 16:06	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 23E0134-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 3:00 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG NELAC-NY10854,NELAC-NY12058,NJDEP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/L	50	100	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	10	20	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
591-78-6	2-Hexanone	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 23E0134-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 3:00 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	Acetone	ND		ug/L	5.0	10	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-02-8	Acrolein	ND		ug/L	5.0	10	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-82-7	Cyclohexane	ND	QL-02	ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 23E0134-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 3:00 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2023 06:42	05/10/2023 16:06	JTG
64-17-5	**Ethanol**	**61**	QL-02, J	ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2023 06:42	05/10/2023 16:06	JTG
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/10/2023 06:42	05/10/2023 16:06	JTG
60-29-7	* Ethyl Ether	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/10/2023 06:42	05/10/2023 16:06	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2023 06:42	05/10/2023 16:06	JTG
74-88-4	* Iodomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/10/2023 06:42	05/10/2023 16:06	JTG
79-20-9	Methyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2023 06:42	05/10/2023 16:06	JTG
80-62-6	Methyl Methacrylate	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/10/2023 06:42	05/10/2023 16:06	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/10/2023 06:42	05/10/2023 16:06	JTG
108-87-2	Methylcyclohexane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2023 06:42	05/10/2023 16:06	JTG
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/10/2023 06:42	05/10/2023 16:06	JTG
91-20-3	Naphthalene	ND		ug/L	2.5	10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2023 06:42	05/10/2023 16:06	JTG
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/10/2023 06:42	05/10/2023 16:06	JTG
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/10/2023 06:42	05/10/2023 16:06	JTG
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/10/2023 06:42	05/10/2023 16:06	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	05/10/2023 06:42	05/10/2023 16:06	JTG
105-05-5	* p-Diethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
622-96-8	* p-Ethyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/10/2023 06:42	05/10/2023 16:06	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/10/2023 06:42	05/10/2023 16:06	JTG
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	05/10/2023 06:42	05/10/2023 16:06	JTG

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 23E0134-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 3:00 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	40	80	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	4.0	8.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND	QL-02	ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
109-99-9	* Tetrahydrofuran	ND		ug/L	5.0	10	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	JTG
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	JTG
107-05-1	* Allyl chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
123-86-4	* n-butyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
75-45-6	* Chlorodifluoromethane (Freon 22)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
493-01-6	* cis-decahydronaphthalene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
493-02-7	* trans-decahydronaphthalene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
124-18-5	* n-Decane	ND	CCVE, QL-02	ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
97-63-2	* Ethyl Methacrylate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
67-72-1	* Hexachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **23E0134-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23E0134	BRK2302	Water	May 2, 2023 3:00 pm	05/02/2023

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-54-3	* n-Hexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
5989-27-5	* Limonene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
98-95-3	* Nitrobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
79-46-9	* 2-Nitropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
111-84-2	* n-Nonane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
111-65-9	* n-octane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
1120-21-4	* n-undecane	ND	CCVE, QL-02	ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG
556-61-6	* Methyl Isothiocyanate (TIC)	ND		ug/L	5.0	5.0	1	EPA 8260C Certifications:	05/10/2023 06:42	05/10/2023 16:06	JTG

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*100 %*	*65-135*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.5 %*	*86-118*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*81-114*

Analytical Batch Summary

Batch ID: BD31852 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-02	LP_002	05/09/23
23E0134-03	LP_003	05/09/23
23E0134-04	DUP_001	05/09/23
BD31852-BLK1	Blank	05/09/23
BD31852-BS1	LCS	05/09/23
BD31852-BSD1	LCS Dup	05/09/23
BD31852-MS1	Matrix Spike	05/09/23
BD31852-MSD1	Matrix Spike Dup	05/09/23

Batch ID: BE30169 **Preparation Method:** Analysis Preparation **Prepared By:** SMK

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-05	Equipment Blank	05/02/23
BE30169-BLK1	Blank	05/02/23
BE30169-BS1	LCS	05/02/23
BE30169-DUP1	Duplicate	05/02/23
BE30169-MS1	Matrix Spike	05/02/23
BE30169-MSD1	Matrix Spike Dup	05/02/23

Batch ID: BE30245 **Preparation Method:** Analysis Preparation **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-05	Equipment Blank	05/03/23
BE30245-BLK1	Blank	05/03/23
BE30245-BS1	LCS	05/03/23
BE30245-DUP1	Duplicate	05/03/23
BE30245-MS1	Matrix Spike	05/03/23
BE30245-MSD1	Matrix Spike Dup	05/03/23

Batch ID: BE30255 **Preparation Method:** EPA 1633 Prep **Prepared By:** BAMW

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-05	Equipment Blank	05/03/23
23E0134-06	Field Blank	05/03/23
BE30255-BLK1	Blank	05/03/23
BE30255-BS1	LCS	05/03/23
BE30255-BS2	LCS	05/03/23
BE30255-DUP1	Duplicate	05/03/23

Batch ID: BE30287 **Preparation Method:** EPA 8151A **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-05	Equipment Blank	05/04/23

BE30287-BLK1	Blank	05/04/23
BE30287-BS1	LCS	05/04/23
BE30287-BSD1	LCS Dup	05/04/23

Batch ID: BE30301 **Preparation Method:** EPA 3535A **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-05	Equipment Blank	05/04/23
BE30301-BLK1	Blank	05/04/23
BE30301-BS1	LCS	05/04/23
BE30301-MS1	Matrix Spike	05/04/23
BE30301-MSD1	Matrix Spike Dup	05/04/23

Batch ID: BE30309 **Preparation Method:** EPA 1633 Prep **Prepared By:** AM

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-01	LP_001	05/04/23
23E0134-02	LP_002	05/04/23
23E0134-02RE1	LP_002	05/04/23
23E0134-03	LP_003	05/04/23
23E0134-04	DUP_001	05/04/23
BE30309-BLK1	Blank	05/04/23
BE30309-BS1	LCS	05/04/23
BE30309-BS2	LCS	05/04/23

Batch ID: BE30407 **Preparation Method:** EPA SW846-3060 **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-02	LP_002	05/05/23
23E0134-03	LP_003	05/05/23
23E0134-04	DUP_001	05/05/23
BE30407-BLK1	Blank	05/05/23
BE30407-DUP1	Duplicate	05/05/23
BE30407-MS1	Matrix Spike	05/05/23
BE30407-MS2	Matrix Spike	05/05/23
BE30407-SRM1	Reference	05/05/23

Batch ID: BE30423 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-05	Equipment Blank	05/05/23
23E0134-05	Equipment Blank	05/05/23
BE30423-BLK1	Blank	05/05/23
BE30423-BLK2	Blank	05/05/23
BE30423-BS1	LCS	05/05/23
BE30423-BS2	LCS	05/05/23
BE30423-BSD1	LCS Dup	05/05/23
BE30423-BSD2	LCS Dup	05/05/23

Batch ID: BE30436 **Preparation Method:** EPA 3550C **Prepared By:** agg

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-04	DUP_001	05/07/23
23E0134-04	DUP_001	05/07/23
BE30436-BLK1	Blank	05/07/23
BE30436-BLK2	Blank	05/07/23
BE30436-BS1	LCS	05/07/23
BE30436-BS2	LCS	05/07/23

Batch ID: BE30442 **Preparation Method:** EPA 3550C **Prepared By:** JLM

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-02	LP_002	05/07/23
23E0134-03	LP_003	05/07/23
23E0134-04	DUP_001	05/07/23
BE30442-BLK1	Blank	05/07/23
BE30442-BS1	LCS	05/07/23
BE30442-MS1	Matrix Spike	05/07/23
BE30442-MSD1	Matrix Spike Dup	05/07/23

Batch ID: BE30473 **Preparation Method:** EPA 3550C/8151A **Prepared By:** JES

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-02	LP_002	05/08/23
23E0134-03	LP_003	05/08/23
23E0134-04	DUP_001	05/08/23
BE30473-BLK1	Blank	05/08/23
BE30473-BS1	LCS	05/08/23
BE30473-MS1	Matrix Spike	05/08/23
BE30473-MSD1	Matrix Spike Dup	05/08/23

Batch ID: BE30474 **Preparation Method:** Analysis Preparation Soil **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-02	LP_002	05/08/23
23E0134-03	LP_003	05/08/23
23E0134-04	DUP_001	05/08/23
BE30474-BLK1	Blank	05/08/23
BE30474-DUP1	Duplicate	05/08/23
BE30474-MS1	Matrix Spike	05/08/23
BE30474-MSD1	Matrix Spike Dup	05/08/23
BE30474-SRM1	Reference	05/08/23

Batch ID: BE30491 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date

23E0134-05	Equipment Blank	05/10/23
23E0134-07	Trip Blank	05/10/23
BE30491-BLK1	Blank	05/10/23
BE30491-BS1	LCS	05/10/23
BE30491-BSD1	LCS Dup	05/10/23

Batch ID: BE30534 **Preparation Method:** EPA 3510C **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-05	Equipment Blank	05/08/23
BE30534-BLK1	Blank	05/08/23
BE30534-BLK2	Blank	05/08/23
BE30534-BS1	LCS	05/08/23
BE30534-BS2	LCS	05/08/23
BE30534-BSD1	LCS Dup	05/08/23

Batch ID: BE30556 **Preparation Method:** EPA 3550C **Prepared By:** agg

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-02	LP_002	05/09/23
23E0134-03	LP_003	05/09/23
23E0134-04	DUP_001	05/09/23
BE30556-BLK1	Blank	05/09/23
BE30556-BS1	LCS	05/09/23
BE30556-MS1	Matrix Spike	05/09/23
BE30556-MSD1	Matrix Spike Dup	05/09/23

Batch ID: BE30561 **Preparation Method:** EPA 3550C **Prepared By:** me

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-02	LP_002	05/09/23
23E0134-03	LP_003	05/09/23
BE30561-MS2	Matrix Spike	05/09/23
BE30561-MSD2	Matrix Spike Dup	05/09/23

Batch ID: BE30563 **Preparation Method:** EPA 3015A **Prepared By:** MCS

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-05	Equipment Blank	05/09/23
BE30563-BLK1	Blank	05/09/23
BE30563-BS1	LCS	05/09/23
BE30563-DUP1	Duplicate	05/09/23
BE30563-MS1	Matrix Spike	05/09/23
BE30563-PS1	Post Spike	05/09/23

Batch ID: BE30571 **Preparation Method:** EPA 3050B **Prepared By:** MCS

YORK Sample ID	Client Sample ID	Preparation Date

23E0134-02	LP_002	05/09/23
23E0134-03	LP_003	05/09/23
23E0134-04	DUP_001	05/09/23
BE30571-BLK1	Blank	05/09/23
BE30571-DUP1	Duplicate	05/09/23
BE30571-MS1	Matrix Spike	05/09/23
BE30571-PS1	Post Spike	05/09/23
BE30571-SRM1	Reference	05/09/23

Batch ID: BE30583 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-02	LP_002	05/09/23
23E0134-03	LP_003	05/09/23
23E0134-04	DUP_001	05/09/23
BE30583-DUP1	Duplicate	05/09/23

Batch ID: BE30600 **Preparation Method:** EPA 7473 soil **Prepared By:** AGNR

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-02	LP_002	05/09/23
23E0134-03	LP_003	05/09/23
23E0134-04	DUP_001	05/09/23
BE30600-BLK1	Blank	05/09/23
BE30600-DUP1	Duplicate	05/09/23
BE30600-MS1	Matrix Spike	05/09/23
BE30600-SRM1	Reference	05/09/23

Batch ID: BE30650 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-02	LP_002	05/10/23
23E0134-03	LP_003	05/10/23
23E0134-04	DUP_001	05/10/23

Batch ID: BE30662 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-05	Equipment Blank	05/10/23

Batch ID: BE30688 **Preparation Method:** EPA 3550C **Prepared By:** JES

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-02	LP_002	05/10/23
23E0134-03	LP_003	05/10/23
BE30688-BLK1	Blank	05/10/23
BE30688-BS1	LCS	05/10/23

Batch ID: BE30704 **Preparation Method:** % Solids Prep **Prepared By:** AC

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-01	LP_001	05/10/23
BE30704-DUP1	Duplicate	05/10/23

Batch ID: BE30810 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
23E0134-05	Equipment Blank	05/11/23
BE30810-BLK1	Blank	05/11/23
BE30810-BLK2	Blank	05/11/23
BE30810-BS1	LCS	05/11/23
BE30810-BS2	LCS	05/11/23

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD31852 - EPA 5035A											
Blank (BD31852-BLK1)											Prepared & Analyzed: 05/09/2023
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4,5-Tetramethylbenzene	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chloroethylvinyl ether	ND	0.020	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD31852 - EPA 5035A											
Blank (BD31852-BLK1)									Prepared & Analyzed: 05/09/2023		
Dibromomethane	ND	0.0050	mg/kg wet								
Dichlorodifluoromethane	ND	0.0050	"								
Diisopropyl ether (DIPE)	ND	0.0080	"								
Ethanol	ND	0.080	"								
Ethyl Benzene	ND	0.0050	"								
Ethyl Ether	ND	0.050	"								
Ethyl tert-butyl ether (ETBE)	ND	0.0080	"								
Hexachlorobutadiene	ND	0.0050	"								
Iodomethane	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl Methacrylate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Diethylbenzene	ND	0.0050	"								
p-Ethyltoluene	ND	0.0050	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Amyl alcohol (TAA)	ND	0.080	"								
tert-Amyl methyl ether (TAME)	ND	0.0080	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Tetrahydrofuran	ND	0.010	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Allyl chloride	ND	0.0050	"								
n-butyl acetate	ND	0.0050	"								
Chlorodifluoromethane (Freon 22)	ND	0.0050	"								
cis-decahydronaphthalene	ND	0.0050	"								
trans-decahydronaphthalene	ND	0.0050	"								
n-Decane	ND	0.0050	"								
Ethyl Methacrylate	ND	0.0050	"								
Hexachloroethane	ND	0.0050	"								
n-Hexane	ND	0.0050	"								
Limonene	ND	0.0050	"								
Nitrobenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD31852 - EPA 5035A											
Blank (BD31852-BLK1)								Prepared & Analyzed: 05/09/2023			
2-Nitropropane	ND	0.0050	mg/kg wet								
n-Nonane	ND	0.0050	"								
n-octane	ND	0.0050	"								
n-undecane	ND	0.0050	"								
Methyl Isothiocyanate (TIC)	ND	0.050	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.0*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.0*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.8*		*"*	*50.0*		*108*	*76-130*				
LCS (BD31852-BS1)								Prepared & Analyzed: 05/09/2023			
1,1,1,2-Tetrachloroethane	47.3		ug/L	50.0		94.6	75-129				
1,1,1-Trichloroethane	47.0		"	50.0		93.9	71-137				
1,1,2,2-Tetrachloroethane	46.3		"	50.0		92.5	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.3		"	50.0		101	58-146				
1,1,2-Trichloroethane	45.4		"	50.0		90.8	83-123				
1,1-Dichloroethane	46.2		"	50.0		92.4	75-130				
1,1-Dichloroethylene	48.6		"	50.0		97.3	64-137				
1,1-Dichloropropylene	46.6		"	50.0		93.2	77-127				
1,2,3-Trichlorobenzene	44.9		"	50.0		89.8	81-140				
1,2,3-Trichloropropane	44.9		"	50.0		89.9	81-126				
1,2,4,5-Tetramethylbenzene	45.7		"	50.0		91.4	63-156				
1,2,4-Trichlorobenzene	45.3		"	50.0		90.5	80-141				
1,2,4-Trimethylbenzene	43.6		"	50.0		87.2	84-125				
1,2-Dibromo-3-chloropropane	46.2		"	50.0		92.4	74-142				
1,2-Dibromoethane	46.9		"	50.0		93.8	86-123				
1,2-Dichlorobenzene	46.2		"	50.0		92.4	85-122				
1,2-Dichloroethane	47.5		"	50.0		95.0	71-133				
1,2-Dichloropropane	47.7		"	50.0		95.4	81-122				
1,3,5-Trimethylbenzene	47.0		"	50.0		94.0	82-126				
1,3-Dichlorobenzene	45.0		"	50.0		89.9	84-124				
1,3-Dichloropropane	46.1		"	50.0		92.3	83-123				
1,4-Dichlorobenzene	44.4		"	50.0		88.8	84-124				
1,4-Dioxane	927		"	1050		88.3	10-228				
2,2-Dichloropropane	47.1		"	50.0		94.2	67-136				
2-Butanone	45.4		"	50.0		90.9	58-147				
2-Chloroethylvinyl ether	15.0		"	50.0		30.1	10-166				
2-Chlorotoluene	44.5		"	50.0		88.9	78-127				
2-Hexanone	45.8		"	50.0		91.6	70-139				
4-Chlorotoluene	44.9		"	50.0		89.8	79-125				
4-Methyl-2-pentanone	36.1		"	50.0		72.2	72-132				
Acetone	187		"	50.0		374	36-155	High Bias			
Acrolein	38.6		"	50.0		77.2	10-238				
Acrylonitrile	45.0		"	50.0		89.9	66-141				
Benzene	47.6		"	50.0		95.3	77-127				
Bromobenzene	44.1		"	50.0		88.3	77-129				
Bromochloromethane	46.9		"	50.0		93.8	74-129				
Bromodichloromethane	46.7		"	50.0		93.4	81-124				
Bromoform	39.4		"	50.0		78.9	80-136	Low Bias			
Bromomethane	43.4		"	50.0		86.7	32-177				
Carbon disulfide	52.8		"	50.0		106	10-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD31852 - EPA 5035A											
LCS (BD31852-BS1)								Prepared & Analyzed: 05/09/2023			
Carbon tetrachloride	48.3		ug/L	50.0		96.6	66-143				
Chlorobenzene	49.0		"	50.0		98.0	86-120				
Chloroethane	52.6		"	50.0		105	51-142				
Chloroform	46.2		"	50.0		92.4	76-131				
Chloromethane	55.0		"	50.0		110	49-132				
cis-1,2-Dichloroethylene	46.8		"	50.0		93.7	74-132				
cis-1,3-Dichloropropylene	45.4		"	50.0		90.7	81-129				
Cyclohexane	49.8		"	50.0		99.6	70-130				
Dibromochloromethane	48.3		"	50.0		96.5	10-200				
Dibromomethane	45.9		"	50.0		91.8	83-124				
Dichlorodifluoromethane	65.1		"	50.0		130	28-158				
Diisopropyl ether (DIPE)	47.2		"	50.0		94.3	70-130				
Ethanol	ND	0.080	mg/kg wet				70-130				
Ethyl Benzene	46.1		ug/L	50.0		92.2	84-125				
Ethyl Ether	5140		"	500		NR	70-130	High Bias			
Ethyl tert-butyl ether (ETBE)	42.8		"	50.0		85.7	70-130				
Hexachlorobutadiene	44.8		"	50.0		89.5	83-133				
Iodomethane	57.4		"	50.0		115	70-130				
Isopropylbenzene	45.4		"	50.0		90.8	81-127				
Methyl acetate	44.9		"	50.0		89.9	41-143				
Methyl Methacrylate	45.4		"	50.0		90.8	79-125				
Methyl tert-butyl ether (MTBE)	46.9		"	50.0		93.9	74-131				
Methylcyclohexane	46.4		"	50.0		92.7	70-130				
Methylene chloride	45.9		"	50.0		91.9	57-141				
Naphthalene	45.7		"	50.0		91.4	86-141				
n-Butylbenzene	44.8		"	50.0		89.7	80-130				
n-Propylbenzene	45.0		"	50.0		89.9	74-136				
o-Xylene	46.6		"	50.0		93.1	83-123				
p- & m- Xylenes	92.9		"	100		92.9	82-128				
p-Diethylbenzene	46.2		"	50.0		92.4	70-144				
p-Ethyltoluene	47.0		"	50.0		94.0	84-123				
p-Isopropyltoluene	45.1		"	50.0		90.2	85-125				
sec-Butylbenzene	44.9		"	50.0		89.7	83-125				
Styrene	46.2		"	50.0		92.3	86-126				
tert-Amyl alcohol (TAA)	465		"	500		93.0	70-130				
tert-Amyl methyl ether (TAME)	44.2		"	50.0		88.4	70-130				
tert-Butyl alcohol (TBA)	235		"	250		94.2	70-130				
tert-Butylbenzene	40.1		"	50.0		80.1	80-127				
Tetrachloroethylene	41.7		"	50.0		83.3	80-129				
Tetrahydrofuran	43.4		"	50.0		86.8	64-137				
Toluene	47.0		"	50.0		94.1	85-121				
trans-1,2-Dichloroethylene	47.3		"	50.0		94.6	72-132				
trans-1,3-Dichloropropylene	45.3		"	50.0		90.7	78-132				
trans-1,4-dichloro-2-butene	46.6		"	50.0		93.3	75-135				
Trichloroethylene	46.6		"	50.0		93.3	84-123				
Trichlorofluoromethane	53.9		"	50.0		108	62-140				
Vinyl acetate	39.5		"	50.0		79.0	67-136				
Vinyl Chloride	61.2		"	50.0		122	52-130				
Allyl chloride	49.9		"	50.0		99.8	70-130				
n-butyl acetate	47.6		"	50.0		95.2	70-130				
Chlorodifluoromethane (Freon 22)	81.6		"	50.0		163	70-130	High Bias			

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD31852 - EPA 5035A											
LCS (BD31852-BS1)								Prepared & Analyzed: 05/09/2023			
cis-decahydronaphthalene	48.6		ug/L	50.0		97.2	70-130				
trans-decahydronaphthalene	46.4		"	50.0		92.9	70-130				
n-Decane	35.3		"	50.0		70.5	70-130				
Ethyl Methacrylate	45.5		"	50.0		91.0	70-130				
n-Hexane	45.6		"	50.0		91.2	70-130				
Limonene	52.8		"	50.0		106	70-130				
Nitrobenzene	38.8		"	50.0		77.7	70-130				
n-Nonane	47.9		"	50.0		95.7	70-130				
n-octane	42.4		"	50.0		84.8	70-130				
n-undecane	50.8		"	50.0		102	70-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.6*		*"*	*50.0*		*99.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.4*		*"*	*50.0*		*96.8*	*76-130*				
LCS Dup (BD31852-BSD1)								Prepared & Analyzed: 05/09/2023			
1,1,1,2-Tetrachloroethane	49.7		ug/L	50.0		99.4	75-129		4.97	30	
1,1,1-Trichloroethane	50.3		"	50.0		101	71-137		6.89	30	
1,1,2,2-Tetrachloroethane	51.0		"	50.0		102	79-129		9.73	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.8		"	50.0		108	58-146		6.74	30	
1,1,2-Trichloroethane	48.1		"	50.0		96.2	83-123		5.78	30	
1,1-Dichloroethane	49.4		"	50.0		98.8	75-130		6.76	30	
1,1-Dichloroethylene	51.1		"	50.0		102	64-137		4.91	30	
1,1-Dichloropropylene	49.6		"	50.0		99.2	77-127		6.19	30	
1,2,3-Trichlorobenzene	48.5		"	50.0		97.0	81-140		7.75	30	
1,2,3-Trichloropropane	49.2		"	50.0		98.4	81-126		9.07	30	
1,2,4,5-Tetramethylbenzene	49.6		"	50.0		99.1	63-156		8.11	30	
1,2,4-Trichlorobenzene	49.3		"	50.0		98.5	80-141		8.46	30	
1,2,4-Trimethylbenzene	47.3		"	50.0		94.6	84-125		8.12	30	
1,2-Dibromo-3-chloropropane	52.8		"	50.0		106	74-142		13.4	30	
1,2-Dibromoethane	49.6		"	50.0		99.2	86-123		5.64	30	
1,2-Dichlorobenzene	49.6		"	50.0		99.3	85-122		7.18	30	
1,2-Dichloroethane	50.2		"	50.0		100	71-133		5.47	30	
1,2-Dichloropropane	49.9		"	50.0		99.8	81-122		4.51	30	
1,3,5-Trimethylbenzene	50.9		"	50.0		102	82-126		8.03	30	
1,3-Dichlorobenzene	49.1		"	50.0		98.2	84-124		8.87	30	
1,3-Dichloropropane	48.7		"	50.0		97.3	83-123		5.34	30	
1,4-Dichlorobenzene	47.9		"	50.0		95.7	84-124		7.54	30	
1,4-Dioxane	1130		"	1050		108	10-228		19.7	30	
2,2-Dichloropropane	51.9		"	50.0		104	67-136		9.80	30	
2-Butanone	59.5		"	50.0		119	58-147		26.8	30	
2-Chloroethylvinyl ether	21.3		"	50.0		42.7	10-166		34.5	30	Non-dir.
2-Chlorotoluene	47.8		"	50.0		95.5	78-127		7.14	30	
2-Hexanone	53.2		"	50.0		106	70-139		14.8	30	
4-Chlorotoluene	48.5		"	50.0		97.1	79-125		7.75	30	
4-Methyl-2-pentanone	40.5		"	50.0		81.0	72-132		11.5	30	
Acetone	212		"	50.0		425	36-155	High Bias	12.7	30	
Acrolein	45.2		"	50.0		90.5	10-238		15.9	30	
Acrylonitrile	51.8		"	50.0		104	66-141		14.2	30	
Benzene	50.6		"	50.0		101	77-127		5.95	30	
Bromobenzene	47.5		"	50.0		95.0	77-129		7.29	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD31852 - EPA 5035A											
LCS Dup (BD31852-BSD1)								Prepared & Analyzed: 05/09/2023			
Bromochloromethane	49.7		ug/L	50.0		99.3	74-129		5.76	30	
Bromodichloromethane	48.8		"	50.0		97.7	81-124		4.42	30	
Bromoform	41.7		"	50.0		83.5	80-136		5.69	30	
Bromomethane	53.5		"	50.0		107	32-177		20.9	30	
Carbon disulfide	55.7		"	50.0		111	10-136		5.49	30	
Carbon tetrachloride	52.0		"	50.0		104	66-143		7.47	30	
Chlorobenzene	51.5		"	50.0		103	86-120		5.00	30	
Chloroethane	52.0		"	50.0		104	51-142		1.13	30	
Chloroform	49.3		"	50.0		98.6	76-131		6.49	30	
Chloromethane	57.6		"	50.0		115	49-132		4.72	30	
cis-1,2-Dichloroethylene	49.7		"	50.0		99.5	74-132		6.01	30	
cis-1,3-Dichloropropylene	48.4		"	50.0		96.7	81-129		6.40	30	
Cyclohexane	53.2		"	50.0		106	70-130		6.60	30	
Dibromochloromethane	50.6		"	50.0		101	10-200		4.79	30	
Dibromomethane	48.5		"	50.0		97.1	83-124		5.57	30	
Dichlorodifluoromethane	67.8		"	50.0		136	28-158		4.08	30	
Diisopropyl ether (DIPE)	49.8		"	50.0		99.6	70-130		5.51	30	
Ethanol	ND	0.080	mg/kg wet				70-130			30	
Ethyl Benzene	48.8		ug/L	50.0		97.6	84-125		5.71	30	
Ethyl Ether	5400		"	500		NR	70-130	High Bias	4.90	30	
Ethyl tert-butyl ether (ETBE)	45.4		"	50.0		90.7	70-130		5.72	30	
Hexachlorobutadiene	48.5		"	50.0		96.9	83-133		7.96	30	
Iodomethane	60.1		"	50.0		120	70-130		4.70	30	
Isopropylbenzene	49.0		"	50.0		98.0	81-127		7.65	30	
Methyl acetate	51.6		"	50.0		103	41-143		13.8	30	
Methyl Methacrylate	49.9		"	50.0		99.8	79-125		9.40	30	
Methyl tert-butyl ether (MTBE)	50.2		"	50.0		100	74-131		6.73	30	
Methylcyclohexane	49.0		"	50.0		98.1	70-130		5.66	30	
Methylene chloride	48.9		"	50.0		97.8	57-141		6.30	30	
Naphthalene	50.1		"	50.0		100	86-141		9.20	30	
n-Butylbenzene	48.6		"	50.0		97.1	80-130		7.99	30	
n-Propylbenzene	48.3		"	50.0		96.6	74-136		7.12	30	
o-Xylene	49.0		"	50.0		98.0	83-123		5.13	30	
p- & m- Xylenes	97.9		"	100		97.9	82-128		5.18	30	
p-Diethylbenzene	49.7		"	50.0		99.5	70-144		7.32	30	
p-Ethyltoluene	50.9		"	50.0		102	84-123		8.03	30	
p-Isopropyltoluene	48.5		"	50.0		97.0	85-125		7.31	30	
sec-Butylbenzene	48.6		"	50.0		97.3	83-125		8.08	30	
Styrene	48.8		"	50.0		97.5	86-126		5.46	30	
tert-Amyl alcohol (TAA)	584		"	500		117	70-130		22.7	30	
tert-Amyl methyl ether (TAME)	46.9		"	50.0		93.7	70-130		5.91	30	
tert-Butyl alcohol (TBA)	296		"	250		118	70-130		22.7	30	
tert-Butylbenzene	43.2		"	50.0		86.3	80-127		7.43	30	
Tetrachloroethylene	44.4		"	50.0		88.8	80-129		6.32	30	
Tetrahydrofuran	52.3		"	50.0		105	64-137		18.7	30	
Toluene	49.6		"	50.0		99.1	85-121		5.22	30	
trans-1,2-Dichloroethylene	50.5		"	50.0		101	72-132		6.44	30	
trans-1,3-Dichloropropylene	48.4		"	50.0		96.7	78-132		6.45	30	
trans-1,4-dichloro-2-butene	52.1		"	50.0		104	75-135		11.1	30	
Trichloroethylene	49.2		"	50.0		98.5	84-123		5.38	30	
Trichlorofluoromethane	58.0		"	50.0		116	62-140		7.49	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD31852 - EPA 5035A											
LCS Dup (BD31852-BSD1)								Prepared & Analyzed: 05/09/2023			
Vinyl acetate	42.2		ug/L	50.0		84.4	67-136		6.61	30	
Vinyl Chloride	63.0		"	50.0		126	52-130		3.03	30	
Allyl chloride	52.4		"	50.0		105	70-130		4.83	30	
n-butyl acetate	51.7		"	50.0		103	70-130		8.24	30	
Chlorodifluoromethane (Freon 22)	89.6		"	50.0		179	70-130	High Bias	9.36	30	
cis-decahydronaphthalene	52.5		"	50.0		105	70-130		7.81	30	
trans-decahydronaphthalene	50.4		"	50.0		101	70-130		8.18	30	
n-Decane	38.4		"	50.0		76.8	70-130		8.58	30	
Ethyl Methacrylate	48.2		"	50.0		96.4	70-130		5.83	30	
n-Hexane	48.6		"	50.0		97.3	70-130		6.50	30	
Limonene	57.4		"	50.0		115	70-130		8.34	30	
Nitrobenzene	48.1		"	50.0		96.2	70-130		21.3	30	
n-Nonane	50.5		"	50.0		101	70-130		5.43	30	
n-octane	44.9		"	50.0		89.8	70-130		5.70	30	
n-undecane	55.6		"	50.0		111	70-130		8.98	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.2*		*"*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.8*		*"*	*50.0*		*99.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.9*		*"*	*50.0*		*97.9*	*76-130*				
Matrix Spike (BD31852-MS1)	*Source sample: 23E0204-01 (Matrix Spike)							Prepared & Analyzed: 05/09/2023			
1,1,1,2-Tetrachloroethane	46.4		ug/L	50.0	0.00	92.9	15-161				
1,1,1-Trichloroethane	46.8		"	50.0	0.00	93.6	42-145				
1,1,2,2-Tetrachloroethane	47.7		"	50.0	0.00	95.4	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.0		"	50.0	0.00	106	11-160				
1,1,2-Trichloroethane	47.6		"	50.0	0.00	95.2	44-145				
1,1-Dichloroethane	48.5		"	50.0	0.00	96.9	46-142				
1,1-Dichloroethylene	52.6		"	50.0	0.00	105	30-153				
1,1-Dichloropropylene	46.7		"	50.0	0.00	93.5	40-133				
1,2,3-Trichlorobenzene	37.6		"	50.0	0.00	75.1	10-157				
1,2,3-Trichloropropane	46.1		"	50.0	0.00	92.2	38-155				
1,2,4,5-Tetramethylbenzene	39.6		"	50.0	0.00	79.2	10-138				
1,2,4-Trichlorobenzene	36.8		"	50.0	0.00	73.6	10-151				
1,2,4-Trimethylbenzene	39.8		"	50.0	0.00	79.5	10-170				
1,2-Dibromo-3-chloropropane	45.7		"	50.0	0.00	91.3	36-138				
1,2-Dibromoethane	48.7		"	50.0	0.00	97.3	40-142				
1,2-Dichlorobenzene	41.8		"	50.0	0.00	83.6	10-147				
1,2-Dichloroethane	48.7		"	50.0	0.00	97.3	48-133				
1,2-Dichloropropane	48.4		"	50.0	0.00	96.8	47-141				
1,3,5-Trimethylbenzene	42.4		"	50.0	0.00	84.7	10-150				
1,3-Dichlorobenzene	39.8		"	50.0	0.00	79.6	10-144				
1,3-Dichloropropane	48.5		"	50.0	0.00	96.9	43-142				
1,4-Dichlorobenzene	39.2		"	50.0	0.00	78.5	10-160				
1,4-Dioxane	1080		"	1050	0.00	103	10-191				
2,2-Dichloropropane	43.5		"	50.0	0.00	87.1	38-130				
2-Butanone	49.3		"	50.0	0.00	98.6	10-189				
2-Chloroethylvinyl ether	14.7		"	50.0	0.00	29.4	10-161				
2-Chlorotoluene	41.0		"	50.0	0.00	82.0	14-144				
2-Hexanone	47.6		"	50.0	0.00	95.1	10-181				
4-Chlorotoluene	40.8		"	50.0	0.00	81.7	15-138				
4-Methyl-2-pentanone	39.4		"	50.0	0.00	78.8	10-166				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD31852 - EPA 5035A											
Matrix Spike (BD31852-MS1)	*Source sample: 23E0204-01 (Matrix Spike)							Prepared & Analyzed: 05/09/2023			
Acetone	154		ug/L	50.0	28.1	252	10-196	High Bias			
Acrolein	45.9		"	50.0	0.00	91.8	10-192				
Acrylonitrile	49.0		"	50.0	0.00	98.1	13-161				
Benzene	48.5		"	50.0	0.00	97.1	43-139				
Bromobenzene	41.6		"	50.0	0.00	83.3	23-142				
Bromochloromethane	49.4		"	50.0	0.00	98.9	38-145				
Bromodichloromethane	46.8		"	50.0	0.00	93.7	38-147				
Bromoform	39.2		"	50.0	0.00	78.4	29-156				
Bromomethane	48.1		"	50.0	0.00	96.1	10-166				
Carbon disulfide	54.4		"	50.0	0.00	109	10-131				
Carbon tetrachloride	46.3		"	50.0	0.00	92.6	35-145				
Chlorobenzene	48.1		"	50.0	0.00	96.2	21-154				
Chloroethane	53.9		"	50.0	0.00	108	15-160				
Chloroform	47.7		"	50.0	0.00	95.4	47-142				
Chloromethane	59.1		"	50.0	0.00	118	10-159				
cis-1,2-Dichloroethylene	47.3		"	50.0	0.00	94.7	42-144				
cis-1,3-Dichloropropylene	44.9		"	50.0	0.00	89.8	18-159				
Cyclohexane	50.7		"	50.0	0.00	101	70-130				
Dibromochloromethane	48.1		"	50.0	0.00	96.3	10-179				
Dibromomethane	47.6		"	50.0	0.00	95.1	47-143				
Dichlorodifluoromethane	62.3		"	50.0	0.00	125	10-145				
Diisopropyl ether (DIPE)	49.0		"	50.0	0.00	97.9	70-130				
Ethanol	ND	0.084	mg/kg dry		ND		70-130				
Ethyl Benzene	45.7		ug/L	50.0	0.00	91.4	11-158				
Ethyl Ether	5630		"	500	0.00	NR	70-130	High Bias			
Ethyl tert-butyl ether (ETBE)	43.7		"	50.0	0.00	87.5	70-130				
Hexachlorobutadiene	33.5		"	50.0	0.00	67.0	10-158				
Iodomethane	57.2		"	50.0	0.00	114	70-130				
Isopropylbenzene	42.4		"	50.0	0.00	84.7	10-162				
Methyl acetate	51.2		"	50.0	0.00	102	10-149				
Methyl Methacrylate	48.8		"	50.0	0.00	97.6	22-162				
Methyl tert-butyl ether (MTBE)	49.1		"	50.0	0.00	98.2	42-152				
Methylcyclohexane	44.0		"	50.0	0.00	87.9	70-130				
Methylene chloride	48.4		"	50.0	0.00	96.9	28-151				
Naphthalene	42.7		"	50.0	0.00	85.3	10-158				
n-Butylbenzene	38.1		"	50.0	0.00	76.1	10-162				
n-Propylbenzene	41.1		"	50.0	0.00	82.2	10-155				
o-Xylene	46.2		"	50.0	0.00	92.4	10-158				
p- & m- Xylenes	91.0		"	100	0.00	91.0	10-156				
p-Diethylbenzene	39.6		"	50.0	0.00	79.2	10-146				
p-Ethyltoluene	42.4		"	50.0	0.00	84.7	10-135				
p-Isopropyltoluene	39.6		"	50.0	0.00	79.2	10-147				
sec-Butylbenzene	40.5		"	50.0	0.00	81.0	10-157				
Styrene	45.6		"	50.0	0.00	91.3	13-171				
tert-Amyl alcohol (TAA)	496		"	500	0.00	99.1	70-130				
tert-Amyl methyl ether (TAME)	45.7		"	50.0	0.00	91.4	70-130				
tert-Butyl alcohol (TBA)	235		"	250	0.00	94.1	34-179				
tert-Butylbenzene	36.8		"	50.0	0.00	73.6	10-160				
Tetrachloroethylene	38.8		"	50.0	0.00	77.6	30-167				
Tetrahydrofuran	48.1		"	50.0	0.00	96.2	25-160				
Toluene	46.5		"	50.0	0.00	93.0	21-160				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD31852 - EPA 5035A											
Matrix Spike (BD31852-MS1)	*Source sample: 23E0204-01 (Matrix Spike)							Prepared & Analyzed: 05/09/2023			
trans-1,2-Dichloroethylene	48.7		ug/L	50.0	0.00	97.4	29-153				
trans-1,3-Dichloropropylene	44.2		"	50.0	0.00	88.3	18-155				
trans-1,4-dichloro-2-butene	47.2		"	50.0	0.00	94.4	17-154				
Trichloroethylene	46.2		"	50.0	0.00	92.5	24-169				
Trichlorofluoromethane	58.5		"	50.0	0.00	117	35-142				
Vinyl acetate	40.6		"	50.0	0.00	81.3	10-119				
Vinyl Chloride	65.4		"	50.0	0.00	131	12-160				
Allyl chloride	50.1		"	50.0	0.00	100	70-130				
n-butyl acetate	51.2		"	50.0	0.00	102	70-130				
Chlorodifluoromethane (Freon 22)	92.7		"	50.0	0.00	185	70-130	High Bias			
cis-decahydronaphthalene	37.3		"	50.0	0.00	74.6	70-130				
trans-decahydronaphthalene	34.7		"	50.0	0.00	69.4	70-130	Low Bias			
n-Decane	18.9		"	50.0	0.00	37.9	70-130	Low Bias			
Ethyl Methacrylate	47.7		"	50.0	0.00	95.5	70-130				
n-Hexane	41.5		"	50.0	0.00	83.1	70-130				
Limonene	43.7		"	50.0	0.00	87.3	70-130				
Nitrobenzene	39.2		"	50.0	0.00	78.4	70-130				
n-Nonane	32.6		"	50.0	0.00	65.2	70-130	Low Bias			
n-octane	32.4		"	50.0	0.00	64.8	70-130	Low Bias			
n-undecane	22.2		"	50.0	0.00	44.4	70-130	Low Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.0*		*"*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.4*		*"*	*50.0*		*98.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.0*		*"*	*50.0*		*93.9*	*76-130*				
Matrix Spike Dup (BD31852-MSD1)	*Source sample: 23E0204-01 (Matrix Spike Dup)							Prepared & Analyzed: 05/09/2023			
1,1,1,2-Tetrachloroethane	44.0		ug/L	50.0	0.00	88.0	15-161		5.35	33	
1,1,1-Trichloroethane	44.2		"	50.0	0.00	88.4	42-145		5.78	30	
1,1,2,2-Tetrachloroethane	48.4		"	50.0	0.00	96.7	16-167		1.33	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.3		"	50.0	0.00	92.7	11-160		13.4	31	
1,1,2-Trichloroethane	44.9		"	50.0	0.00	89.9	44-145		5.75	40	
1,1-Dichloroethane	45.0		"	50.0	0.00	90.0	46-142		7.38	36	
1,1-Dichloroethylene	48.2		"	50.0	0.00	96.5	30-153		8.59	31	
1,1-Dichloropropylene	43.1		"	50.0	0.00	86.2	40-133		8.15	28	
1,2,3-Trichlorobenzene	35.6		"	50.0	0.00	71.2	10-157		5.30	47	
1,2,3-Trichloropropane	46.3		"	50.0	0.00	92.7	38-155		0.498	48	
1,2,4,5-Tetramethylbenzene	37.5		"	50.0	0.00	74.9	10-138		5.53	44	
1,2,4-Trichlorobenzene	34.2		"	50.0	0.00	68.4	10-151		7.27	52	
1,2,4-Trimethylbenzene	38.8		"	50.0	0.00	77.6	10-170		2.50	242	
1,2-Dibromo-3-chloropropane	46.2		"	50.0	0.00	92.3	36-138		1.09	54	
1,2-Dibromoethane	45.7		"	50.0	0.00	91.5	40-142		6.21	39	
1,2-Dichlorobenzene	40.8		"	50.0	0.00	81.6	10-147		2.44	52	
1,2-Dichloroethane	46.1		"	50.0	0.00	92.2	48-133		5.42	32	
1,2-Dichloropropane	45.8		"	50.0	0.00	91.6	47-141		5.46	37	
1,3,5-Trimethylbenzene	41.0		"	50.0	0.00	82.0	10-150		3.26	62	
1,3-Dichlorobenzene	38.7		"	50.0	0.00	77.3	10-144		2.88	51	
1,3-Dichloropropane	45.6		"	50.0	0.00	91.2	43-142		6.06	36	
1,4-Dichlorobenzene	38.0		"	50.0	0.00	76.1	10-160		3.13	52	
1,4-Dioxane	1000		"	1050	0.00	95.4	10-191		7.23	196	
2,2-Dichloropropane	40.5		"	50.0	0.00	81.1	38-130		7.14	31	
2-Butanone	40.6		"	50.0	0.00	81.2	10-189		19.4	67	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD31852 - EPA 5035A											
Matrix Spike Dup (BD31852-MSD1)	*Source sample: 23E0204-01 (Matrix Spike Dup)								Prepared & Analyzed: 05/09/2023		
2-Chloroethylvinyl ether	10.8		ug/L	50.0	0.00	21.6	10-161		30.6	30	Non-dir.
2-Chlorotoluene	40.5		"	50.0	0.00	81.0	14-144		1.25	49	
2-Hexanone	44.3		"	50.0	0.00	88.7	10-181		7.01	60	
4-Chlorotoluene	39.8		"	50.0	0.00	79.6	15-138		2.58	39	
4-Methyl-2-pentanone	36.8		"	50.0	0.00	73.7	10-166		6.66	47	
Acetone	186		"	50.0	28.1	315	10-196	High Bias	18.5	150	
Acrolein	40.5		"	50.0	0.00	81.0	10-192		12.5	128	
Acrylonitrile	46.7		"	50.0	0.00	93.4	13-161		4.89	48	
Benzene	45.7		"	50.0	0.00	91.4	43-139		5.98	64	
Bromobenzene	41.8		"	50.0	0.00	83.5	23-142		0.312	44	
Bromochloromethane	46.5		"	50.0	0.00	92.9	38-145		6.24	30	
Bromodichloromethane	44.4		"	50.0	0.00	88.9	38-147		5.24	37	
Bromoform	37.4		"	50.0	0.00	74.7	29-156		4.81	51	
Bromomethane	46.8		"	50.0	0.00	93.6	10-166		2.72	42	
Carbon disulfide	50.2		"	50.0	0.00	100	10-131		7.95	36	
Carbon tetrachloride	44.1		"	50.0	0.00	88.2	35-145		4.91	31	
Chlorobenzene	44.6		"	50.0	0.00	89.2	21-154		7.49	32	
Chloroethane	56.8		"	50.0	0.00	114	15-160		5.17	40	
Chloroform	44.8		"	50.0	0.00	89.7	47-142		6.16	29	
Chloromethane	55.6		"	50.0	0.00	111	10-159		6.12	31	
cis-1,2-Dichloroethylene	44.0		"	50.0	0.00	87.9	42-144		7.36	30	
cis-1,3-Dichloropropylene	42.6		"	50.0	0.00	85.3	18-159		5.23	39	
Cyclohexane	45.6		"	50.0	0.00	91.2	70-130		10.6	30	
Dibromochloromethane	46.1		"	50.0	0.00	92.1	10-179		4.39	41	
Dibromomethane	45.1		"	50.0	0.00	90.2	47-143		5.31	41	
Dichlorodifluoromethane	58.8		"	50.0	0.00	118	10-145		5.82	34	
Diisopropyl ether (DIPE)	46.1		"	50.0	0.00	92.1	70-130		6.10	30	
Ethanol	ND	0.084	mg/kg dry		ND		70-130			30	
Ethyl Benzene	42.1		ug/L	50.0	0.00	84.2	11-158		8.20	42	
Ethyl Ether	5320		"	500	0.00	NR	70-130	High Bias	5.67	30	
Ethyl tert-butyl ether (ETBE)	41.2		"	50.0	0.00	82.5	70-130		5.89	30	
Hexachlorobutadiene	29.9		"	50.0	0.00	59.9	10-158		11.3	45	
Iodomethane	53.5		"	50.0	0.00	107	70-130		6.63	30	
Isopropylbenzene	41.7		"	50.0	0.00	83.4	10-162		1.64	57	
Methyl acetate	46.8		"	50.0	0.00	93.6	10-149		8.92	64	
Methyl Methacrylate	46.0		"	50.0	0.00	92.0	22-162		5.91	30	
Methyl tert-butyl ether (MTBE)	46.5		"	50.0	0.00	92.9	42-152		5.50	47	
Methylcyclohexane	39.1		"	50.0	0.00	78.2	70-130		11.8	30	
Methylene chloride	45.3		"	50.0	0.00	90.6	28-151		6.68	49	
Naphthalene	42.4		"	50.0	0.00	84.8	10-158		0.658	95	
n-Butylbenzene	35.3		"	50.0	0.00	70.6	10-162		7.52	96	
n-Propylbenzene	39.6		"	50.0	0.00	79.2	10-155		3.72	56	
o-Xylene	42.6		"	50.0	0.00	85.2	10-158		8.18	51	
p- & m- Xylenes	83.1		"	100	0.00	83.1	10-156		9.09	47	
p-Diethylbenzene	37.0		"	50.0	0.00	74.0	10-146		6.79	39	
p-Ethyltoluene	41.0		"	50.0	0.00	82.0	10-135		3.26	40	
p-Isopropyltoluene	37.6		"	50.0	0.00	75.1	10-147		5.34	60	
sec-Butylbenzene	38.8		"	50.0	0.00	77.6	10-157		4.34	56	
Styrene	42.1		"	50.0	0.00	84.2	13-171		8.07	39	
tert-Amyl alcohol (TAA)	459		"	500	0.00	91.8	70-130		7.63	30	
tert-Amyl methyl ether (TAME)	43.1		"	50.0	0.00	86.2	70-130		5.81	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD31852 - EPA 5035A											
Matrix Spike Dup (BD31852-MSD1)	*Source sample: 23E0204-01 (Matrix Spike Dup)								Prepared & Analyzed: 05/09/2023		
tert-Butyl alcohol (TBA)	232		ug/L	250	0.00	92.7	34-179		1.58	35	
tert-Butylbenzene	36.2		"	50.0	0.00	72.3	10-160		1.73	79	
Tetrachloroethylene	35.1		"	50.0	0.00	70.2	30-167		9.96	33	
Tetrahydrofuran	45.3		"	50.0	0.00	90.5	25-160		6.06	30	
Toluene	43.5		"	50.0	0.00	87.0	21-160		6.71	50	
trans-1,2-Dichloroethylene	44.9		"	50.0	0.00	89.8	29-153		8.12	30	
trans-1,3-Dichloropropylene	42.0		"	50.0	0.00	84.0	18-155		5.06	30	
trans-1,4-dichloro-2-butene	47.1		"	50.0	0.00	94.2	17-154		0.127	30	
Trichloroethylene	42.8		"	50.0	0.00	85.7	24-169		7.63	30	
Trichlorofluoromethane	54.2		"	50.0	0.00	108	35-142		7.61	30	
Vinyl acetate	38.3		"	50.0	0.00	76.6	10-119		5.90	82	
Vinyl Chloride	61.0		"	50.0	0.00	122	12-160		7.06	35	
Allyl chloride	46.2		"	50.0	0.00	92.4	70-130		8.04	30	
n-butyl acetate	47.7		"	50.0	0.00	95.4	70-130		7.10	30	
Chlorodifluoromethane (Freon 22)	87.7		"	50.0	0.00	175	70-130	High Bias	5.55	30	
cis-decahydronaphthalene	34.3		"	50.0	0.00	68.6	70-130	Low Bias	8.27	30	
trans-decahydronaphthalene	31.8		"	50.0	0.00	63.6	70-130	Low Bias	8.75	30	
n-Decane	18.8		"	50.0	0.00	37.6	70-130	Low Bias	0.636	30	
Ethyl Methacrylate	45.2		"	50.0	0.00	90.4	70-130		5.44	30	
n-Hexane	36.6		"	50.0	0.00	73.3	70-130		12.5	30	
Limonene	40.3		"	50.0	0.00	80.6	70-130		7.95	30	
Nitrobenzene	40.3		"	50.0	0.00	80.6	70-130		2.77	30	
n-Nonane	29.0		"	50.0	0.00	57.9	70-130	Low Bias	11.9	30	
n-octane	28.5		"	50.0	0.00	57.0	70-130	Low Bias	12.7	30	
n-undecane	22.4		"	50.0	0.00	44.8	70-130	Low Bias	0.717	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.0*		*"*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.7*		*"*	*50.0*		*99.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.8*		*"*	*50.0*		*99.6*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30491 - EPA 5030B											
Blank (BE30491-BLK1)											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4,5-Tetramethylbenzene	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chloroethylvinyl ether	ND	20	"								
2-Chlorotoluene	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								

Prepared & Analyzed: 05/10/2023

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30491 - EPA 5030B											
Blank (BE30491-BLK1)											
Prepared & Analyzed: 05/10/2023											
Dichlorodifluoromethane	ND	5.0	ug/L								
Diisopropyl ether (DIPE)	ND	8.0	"								
Ethanol	ND	80	"								
Ethyl Benzene	ND	5.0	"								
Ethyl Ether	ND	0.50	"								
Ethyl tert-butyl ether (ETBE)	ND	8.0	"								
Hexachlorobutadiene	ND	5.0	"								
Iodomethane	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl Methacrylate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Diethylbenzene	ND	5.0	"								
p-Ethyltoluene	ND	5.0	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Amyl alcohol (TAA)	ND	80	"								
tert-Amyl methyl ether (TAME)	ND	8.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Tetrahydrofuran	ND	10	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl acetate	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Allyl chloride	ND	5.0	"								
n-butyl acetate	ND	0.50	"								
Chlorodifluoromethane (Freon 22)	ND	0.50	"								
cis-decahydronaphthalene	ND	0.50	"								
trans-decahydronaphthalene	ND	0.50	"								
n-Decane	ND	0.50	"								
Ethyl Methacrylate	ND	0.50	"								
Hexachloroethane	ND	0.50	"								
n-Hexane	ND	0.50	"								
Limonene	ND	0.50	"								
Nitrobenzene	ND	0.50	"								
2-Nitropropane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30491 - EPA 5030B											
Blank (BE30491-BLK1)								Prepared & Analyzed: 05/10/2023			
n-Nonane	ND	0.50	ug/L								
n-octane	ND	0.50	"								
n-undecane	ND	0.50	"								
Methyl Isothiocyanate (TIC)	ND	5.0	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.90*		*"*	*10.0*		*99.0*	*65-135*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*86-118*				
Surrogate: SURR: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*81-114*				
LCS (BE30491-BS1)								Prepared & Analyzed: 05/10/2023			
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	70-132				
1,1,1-Trichloroethane	10.3		"	10.0		103	68-138				
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	73-132				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	67-136				
1,1,2-Trichloroethane	9.62		"	10.0		96.2	79-125				
1,1-Dichloroethane	10.2		"	10.0		102	78-128				
1,1-Dichloroethylene	10.6		"	10.0		106	68-134				
1,1-Dichloropropylene	9.91		"	10.0		99.1	74-130				
1,2,3-Trichlorobenzene	9.46		"	10.0		94.6	77-140				
1,2,3-Trichloropropane	9.93		"	10.0		99.3	79-127				
1,2,4,5-Tetramethylbenzene	10.5		"	10.0		105	76-139				
1,2,4-Trichlorobenzene	9.69		"	10.0		96.9	75-141				
1,2,4-Trimethylbenzene	10.6		"	10.0		106	78-127				
1,2-Dibromo-3-chloropropane	9.52		"	10.0		95.2	60-150				
1,2-Dibromoethane	9.86		"	10.0		98.6	86-123				
1,2-Dichlorobenzene	10.4		"	10.0		104	79-125				
1,2-Dichloroethane	9.56		"	10.0		95.6	69-133				
1,2-Dichloropropane	10.5		"	10.0		105	76-124				
1,3,5-Trimethylbenzene	10.8		"	10.0		108	78-128				
1,3-Dichlorobenzene	10.5		"	10.0		105	81-124				
1,3-Dichloropropane	9.74		"	10.0		97.4	79-125				
1,4-Dichlorobenzene	10.2		"	10.0		102	82-124				
1,4-Dioxane	215		"	210		103	10-177				
2,2-Dichloropropane	12.6		"	10.0		126	61-139				
2-Butanone	10.2		"	10.0		102	44-169				
2-Chloroethylvinyl ether	9.84		"	10.0		98.4	10-155				
2-Chlorotoluene	10.6		"	10.0		106	74-130				
2-Hexanone	9.01		"	10.0		90.1	62-145				
4-Chlorotoluene	10.8		"	10.0		108	75-127				
4-Methyl-2-pentanone	9.41		"	10.0		94.1	67-137				
Acetone	36.7		"	10.0		367	29-163	High Bias			
Acrolein	8.17		"	10.0		81.7	10-217				
Acrylonitrile	9.83		"	10.0		98.3	47-158				
Benzene	10.6		"	10.0		106	72-134				
Bromobenzene	10.2		"	10.0		102	74-129				
Bromochloromethane	10.0		"	10.0		100	69-134				
Bromodichloromethane	9.85		"	10.0		98.5	76-127				
Bromoform	9.60		"	10.0		96.0	77-137				
Bromomethane	11.1		"	10.0		111	50-156				
Carbon disulfide	10.9		"	10.0		109	54-154				
Carbon tetrachloride	10.6		"	10.0		106	62-145				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30491 - EPA 5030B											
LCS (BE30491-BS1)							Prepared & Analyzed: 05/10/2023				
Chlorobenzene	10.8		ug/L	10.0		108	85-119				
Chloroethane	11.9		"	10.0		119	49-143				
Chloroform	10.3		"	10.0		103	74-131				
Chloromethane	10.7		"	10.0		107	43-134				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	73-134				
cis-1,3-Dichloropropylene	10.0		"	10.0		100	77-128				
Cyclohexane	5.04		"	10.0		50.4	70-130	Low Bias			
Dibromochloromethane	9.77		"	10.0		97.7	79-130				
Dibromomethane	9.56		"	10.0		95.6	78-128				
Dichlorodifluoromethane	13.9		"	10.0		139	38-139				
Diisopropyl ether (DIPE)	10.4		"	10.0		104	56-140				
Ethanol	ND	80	"				27-146				
Ethyl Benzene	10.8		"	10.0		108	80-129				
Ethyl Ether	93.7		"	100		93.7	70-130				
Ethyl tert-butyl ether (ETBE)	9.63		"	10.0		96.3	56-141				
Hexachlorobutadiene	9.29		"	10.0		92.9	72-141				
Iodomethane	11.0		"	10.0		110	70-130				
Isopropylbenzene	11.3		"	10.0		113	76-128				
Methyl acetate	9.84		"	10.0		98.4	44-152				
Methyl Methacrylate	9.45		"	10.0		94.5	70-130				
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	64-142				
Methylcyclohexane	10.3		"	10.0		103	70-130				
Methylene chloride	9.95		"	10.0		99.5	56-142				
Naphthalene	10.0		"	10.0		100	79-144				
n-Butylbenzene	10.8		"	10.0		108	74-132				
n-Propylbenzene	11.1		"	10.0		111	72-135				
o-Xylene	10.7		"	10.0		107	81-123				
p- & m- Xylenes	21.8		"	20.0		109	79-130				
p-Diethylbenzene	10.9		"	10.0		109	77-128				
p-Ethyltoluene	12.4		"	10.0		124	76-126				
p-Isopropyltoluene	11.1		"	10.0		111	80-127				
sec-Butylbenzene	11.0		"	10.0		110	78-127				
Styrene	10.6		"	10.0		106	82-124				
tert-Amyl alcohol (TAA)	97.0		"	100		97.0	36-154				
tert-Amyl methyl ether (TAME)	9.57		"	10.0		95.7	38-163				
tert-Butyl alcohol (TBA)	28.4		"	50.0		56.8	58-147	Low Bias			
tert-Butylbenzene	9.39		"	10.0		93.9	75-131				
Tetrachloroethylene	9.97		"	10.0		99.7	78-133				
Tetrahydrofuran	9.22		"	10.0		92.2	70-130				
Toluene	10.3		"	10.0		103	83-122				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	59-145				
trans-1,3-Dichloropropylene	9.85		"	10.0		98.5	74-131				
trans-1,4-dichloro-2-butene	10.3		"	10.0		103	70-130				
Trichloroethylene	10.1		"	10.0		101	81-125				
Trichlorofluoromethane	11.7		"	10.0		117	61-144				
Vinyl acetate	7.22		"	10.0		72.2	32-165				
Vinyl Chloride	12.1		"	10.0		121	42-136				
Allyl chloride	10.4		"	10.0		104	70-130				
n-butyl acetate	9.80		"	10.0		98.0	70-130				
Chlorodifluoromethane (Freon 22)	18.4		"	10.0		184	70-130	High Bias			
cis-decahydronaphthalene	11.0		"	10.0		110	70-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30491 - EPA 5030B											
LCS (BE30491-BS1)								Prepared & Analyzed: 05/10/2023			
trans-decahydronaphthalene	10.7		ug/L	10.0		107	70-130				
n-Decane	5.10		"	10.0		51.0	70-130	Low Bias			
Ethyl Methacrylate	9.27		"	10.0		92.7	70-130				
n-Hexane	10.6		"	10.0		106	70-130				
Limonene	15.8		"	10.0		158	70-130	High Bias			
Nitrobenzene	11.4		"	10.0		114	70-130				
n-Nonane	10.5		"	10.0		105	70-130				
n-octane	9.86		"	10.0		98.6	70-130				
n-undecane	2.73		"	10.0		27.3	70-130	Low Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.84*		*"*	*10.0*		*98.4*	*65-135*				
Surrogate: SURR: Toluene-d8	*9.94*		*"*	*10.0*		*99.4*	*86-118*				
Surrogate: SURR: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*81-114*				
LCS Dup (BE30491-BSD1)								Prepared & Analyzed: 05/10/2023			
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	70-132		1.84	30	
1,1,1-Trichloroethane	9.88		"	10.0		98.8	68-138		4.07	30	
1,1,2,2-Tetrachloroethane	9.80		"	10.0		98.0	73-132		4.98	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	67-136		4.73	30	
1,1,2-Trichloroethane	9.64		"	10.0		96.4	79-125		0.208	30	
1,1-Dichloroethane	9.83		"	10.0		98.3	78-128		3.60	30	
1,1-Dichloroethylene	10.1		"	10.0		101	68-134		5.32	30	
1,1-Dichloropropylene	9.51		"	10.0		95.1	74-130		4.12	30	
1,2,3-Trichlorobenzene	9.29		"	10.0		92.9	77-140		1.81	30	
1,2,3-Trichloropropane	9.53		"	10.0		95.3	79-127		4.11	30	
1,2,4,5-Tetramethylbenzene	10.2		"	10.0		102	76-139		3.10	30	
1,2,4-Trichlorobenzene	9.38		"	10.0		93.8	75-141		3.25	30	
1,2,4-Trimethylbenzene	9.98		"	10.0		99.8	78-127		6.21	30	
1,2-Dibromo-3-chloropropane	9.34		"	10.0		93.4	60-150		1.91	30	
1,2-Dibromoethane	9.85		"	10.0		98.5	86-123		0.101	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-125		3.43	30	
1,2-Dichloroethane	9.28		"	10.0		92.8	69-133		2.97	30	
1,2-Dichloropropane	10.3		"	10.0		103	76-124		1.54	30	
1,3,5-Trimethylbenzene	10.1		"	10.0		101	78-128		6.99	30	
1,3-Dichlorobenzene	9.87		"	10.0		98.7	81-124		5.90	30	
1,3-Dichloropropane	9.75		"	10.0		97.5	79-125		0.103	30	
1,4-Dichlorobenzene	9.66		"	10.0		96.6	82-124		5.63	30	
1,4-Dioxane	215		"	210		102	10-177		0.186	30	
2,2-Dichloropropane	11.7		"	10.0		117	61-139		7.25	30	
2-Butanone	10.0		"	10.0		100	44-169		1.69	30	
2-Chloroethylvinyl ether	9.62		"	10.0		96.2	10-155		2.26	30	
2-Chlorotoluene	9.70		"	10.0		97.0	74-130		9.06	30	
2-Hexanone	9.29		"	10.0		92.9	62-145		3.06	30	
4-Chlorotoluene	10.1		"	10.0		101	75-127		7.07	30	
4-Methyl-2-pentanone	9.52		"	10.0		95.2	67-137		1.16	30	
Acetone	35.2		"	10.0		352	29-163	High Bias	3.92	30	
Acrolein	8.19		"	10.0		81.9	10-217		0.244	30	
Acrylonitrile	9.61		"	10.0		96.1	47-158		2.26	30	
Benzene	10.3		"	10.0		103	72-134		3.73	30	
Bromobenzene	9.51		"	10.0		95.1	74-129		6.90	30	
Bromochloromethane	9.69		"	10.0		96.9	69-134		3.25	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30491 - EPA 5030B											
LCS Dup (BE30491-BSD1)								Prepared & Analyzed: 05/10/2023			
Bromodichloromethane	9.65		ug/L	10.0		96.5	76-127		2.05	30	
Bromoform	9.49		"	10.0		94.9	77-137		1.15	30	
Bromomethane	10.4		"	10.0		104	50-156		6.03	30	
Carbon disulfide	10.3		"	10.0		103	54-154		5.75	30	
Carbon tetrachloride	10.1		"	10.0		101	62-145		4.25	30	
Chlorobenzene	10.5		"	10.0		105	85-119		2.73	30	
Chloroethane	11.4		"	10.0		114	49-143		3.77	30	
Chloroform	9.98		"	10.0		99.8	74-131		3.06	30	
Chloromethane	10.4		"	10.0		104	43-134		3.60	30	
cis-1,2-Dichloroethylene	10.0		"	10.0		100	73-134		3.92	30	
cis-1,3-Dichloropropylene	9.82		"	10.0		98.2	77-128		2.02	30	
Cyclohexane	4.84		"	10.0		48.4	70-130	Low Bias	4.05	30	
Dibromochloromethane	9.70		"	10.0		97.0	79-130		0.719	30	
Dibromomethane	9.46		"	10.0		94.6	78-128		1.05	30	
Dichlorodifluoromethane	13.3		"	10.0		133	38-139		4.33	30	
Diisopropyl ether (DIPE)	10.2		"	10.0		102	56-140		2.23	30	
Ethanol	ND	80	"				27-146			30	
Ethyl Benzene	10.5		"	10.0		105	80-129		2.90	30	
Ethyl Ether	93.6		"	100		93.6	70-130		0.171	30	
Ethyl tert-butyl ether (ETBE)	9.56		"	10.0		95.6	56-141		0.730	30	
Hexachlorobutadiene	9.23		"	10.0		92.3	72-141		0.648	30	
Iodomethane	10.5		"	10.0		105	70-130		4.82	30	
Isopropylbenzene	10.5		"	10.0		105	76-128		7.98	30	
Methyl acetate	9.92		"	10.0		99.2	44-152		0.810	30	
Methyl Methacrylate	9.04		"	10.0		90.4	70-130		4.43	30	
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	64-142		1.36	30	
Methylcyclohexane	10.0		"	10.0		100	70-130		3.24	30	
Methylene chloride	9.71		"	10.0		97.1	56-142		2.44	30	
Naphthalene	9.85		"	10.0		98.5	79-144		1.51	30	
n-Butylbenzene	10.2		"	10.0		102	74-132		5.34	30	
n-Propylbenzene	10.3		"	10.0		103	72-135		7.66	30	
o-Xylene	10.5		"	10.0		105	81-123		2.27	30	
p- & m- Xylenes	21.3		"	20.0		106	79-130		2.64	30	
p-Diethylbenzene	10.4		"	10.0		104	77-128		4.81	30	
p-Ethyltoluene	11.5		"	10.0		115	76-126		7.43	30	
p-Isopropyltoluene	10.4		"	10.0		104	80-127		6.22	30	
sec-Butylbenzene	10.4		"	10.0		104	78-127		6.27	30	
Styrene	10.4		"	10.0		104	82-124		1.52	30	
tert-Amyl alcohol (TAA)	99.7		"	100		99.7	36-154		2.79	30	
tert-Amyl methyl ether (TAME)	9.41		"	10.0		94.1	38-163		1.69	30	
tert-Butyl alcohol (TBA)	28.2		"	50.0		56.5	58-147	Low Bias	0.530	30	
tert-Butylbenzene	8.71		"	10.0		87.1	75-131		7.51	30	
Tetrachloroethylene	9.65		"	10.0		96.5	78-133		3.26	30	
Tetrahydrofuran	9.42		"	10.0		94.2	70-130		2.15	30	
Toluene	10.1		"	10.0		101	83-122		2.45	30	
trans-1,2-Dichloroethylene	9.94		"	10.0		99.4	59-145		4.14	30	
trans-1,3-Dichloropropylene	9.68		"	10.0		96.8	74-131		1.74	30	
trans-1,4-dichloro-2-butene	9.54		"	10.0		95.4	70-130		7.56	30	
Trichloroethylene	9.84		"	10.0		98.4	81-125		2.31	30	
Trichlorofluoromethane	11.1		"	10.0		111	61-144		4.83	30	
Vinyl acetate	7.02		"	10.0		70.2	32-165		2.81	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30491 - EPA 5030B											
LCS Dup (BE30491-BSD1)								Prepared & Analyzed: 05/10/2023			
Vinyl Chloride	11.3		ug/L	10.0		113	42-136		6.68	30	
Allyl chloride	10.0		"	10.0		100	70-130		4.31	30	
n-butyl acetate	9.79		"	10.0		97.9	70-130		0.102	30	
Chlorodifluoromethane (Freon 22)	17.8		"	10.0		178	70-130	High Bias	3.31	30	
cis-decahydronaphthalene	10.5		"	10.0		105	70-130		4.58	30	
trans-decahydronaphthalene	10.1		"	10.0		101	70-130		5.75	30	
n-Decane	4.71		"	10.0		47.1	70-130	Low Bias	7.95	30	
Ethyl Methacrylate	9.25		"	10.0		92.5	70-130		0.216	30	
n-Hexane	9.94		"	10.0		99.4	70-130		6.24	30	
Limonene	14.3		"	10.0		143	70-130	High Bias	9.92	30	
Nitrobenzene	10.2		"	10.0		102	70-130		11.2	30	
n-Nonane	10.0		"	10.0		100	70-130		4.28	30	
n-octane	9.31		"	10.0		93.1	70-130		5.74	30	
n-undecane	2.63		"	10.0		26.3	70-130	Low Bias	3.73	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.78*		*"*	*10.0*		*97.8*	*65-135*				
Surrogate: SURR: Toluene-d8	*9.91*		*"*	*10.0*		*99.1*	*86-118*				
Surrogate: SURR: p-Bromofluorobenzene	*9.86*		*"*	*10.0*		*98.6*	*81-114*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30534 - EPA 3510C											
Blank (BE30534-BLK1)											
Prepared: 05/08/2023 Analyzed: 05/09/2023											
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
1-Methylnaphthalene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	5.00	"								
Acenaphthylene	ND	5.00	"								
Acetophenone	ND	5.00	"								
Alpha Terpineol	ND	10.0	"								
Aniline	ND	5.00	"								
Anthracene	ND	5.00	"								
Atrazine	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzo(a)anthracene	ND	5.00	"								
Benzo(a)pyrene	ND	5.00	"								
Benzo(b)fluoranthene	ND	5.00	"								
Benzo(g,h,i)perylene	ND	5.00	"								
Benzo(k)fluoranthene	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30534 - EPA 3510C											
Blank (BE30534-BLK1)											
Prepared: 05/08/2023 Analyzed: 05/09/2023											
Bis(2-chloroisopropyl)ether	ND	5.00	ug/L								
Bis(2-ethylhexyl)phthalate	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Chrysene	ND	5.00	"								
Cresols, total	ND	15.0	"								
Dibenzo(a,h)anthracene	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Fluoranthene	ND	5.00	"								
Fluorene	ND	5.00	"								
Hexachlorobenzene	ND	5.00	"								
Hexachlorobutadiene	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Hexachloroethane	ND	5.00	"								
Indeno(1,2,3-cd)pyrene	ND	5.00	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	5.00	"								
Nitrobenzene	ND	5.00	"								
N-Nitrosodimethylamine	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachloronitrobenzene	ND	5.00	"								
Pentachlorophenol	ND	5.00	"								
Phenanthrene	ND	5.00	"								
Phenol	ND	5.00	"								
Propargite	ND	5.00	"								
Pyrene	ND	5.00	"								
Pyridine	ND	5.00	"								
Resorcinol	ND	5.00	"								
Parathion	ND	1.75	"								
Surrogate: SURR: 2-Fluorophenol	*12.1*		*"*	*50.0*		*24.2*	*19.7-63.1*				
Surrogate: SURR: Phenol-d6	*7.26*		*"*	*50.0*		*14.5*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*14.1*		*"*	*25.0*		*56.5*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*14.6*		*"*	*25.0*		*58.4*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*40.6*		*"*	*50.0*		*81.2*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*17.4*		*"*	*25.0*		*69.4*	*30.7-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30534 - EPA 3510C											
Blank (BE30534-BLK2)											Prepared: 05/08/2023 Analyzed: 05/09/2023
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								
LCS (BE30534-BS1)											Prepared: 05/08/2023 Analyzed: 05/09/2023
1,1-Biphenyl	15.5	5.00	ug/L	25.0		62.0	33-95				
1,2,4,5-Tetrachlorobenzene	22.6	5.00	"	25.0		90.5	26-120				
1,2,4-Trichlorobenzene	19.8	5.00	"	25.0		79.0	20-118				
1,2-Dichlorobenzene	15.2	5.00	"	25.0		61.0	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	13.1	5.00	"	25.0		52.4	16-141				
1,3-Dichlorobenzene	14.8	5.00	"	25.0		59.2	23-117				
1,4-Dichlorobenzene	15.4	5.00	"	25.0		61.5	30-105				
1-Methylnaphthalene	17.4	5.00	"	25.0		69.7	40-140				
2,3,4,6-Tetrachlorophenol	20.2	5.00	"	25.0		80.9	30-130				
2,4,5-Trichlorophenol	19.7	5.00	"	25.0		78.6	32-114				
2,4,6-Trichlorophenol	18.6	5.00	"	25.0		74.3	35-118				
2,4-Dichlorophenol	20.4	5.00	"	25.0		81.5	25-116				
2,4-Dimethylphenol	13.6	5.00	"	25.0		54.6	15-116				
2,4-Dinitrophenol	36.1	5.00	"	25.0		145	10-170				
2,4-Dinitrotoluene	27.4	5.00	"	25.0		110	41-128				
2,6-Dinitrotoluene	25.6	5.00	"	25.0		102	45-116				
2-Chloronaphthalene	15.5	5.00	"	25.0		62.1	33-112				
2-Chlorophenol	13.3	5.00	"	25.0		53.1	15-120				
2-Methylnaphthalene	17.9	5.00	"	25.0		71.6	24-118				
2-Methylphenol	9.85	5.00	"	25.0		39.4	10-110				
2-Nitroaniline	19.9	5.00	"	25.0		79.4	34-129				
2-Nitrophenol	21.6	5.00	"	25.0		86.2	28-118				
3- & 4-Methylphenols	8.77	5.00	"	25.0		35.1	10-107				
3,3-Dichlorobenzidine	14.0	5.00	"	25.0		55.8	15-187				
3-Nitroaniline	15.5	5.00	"	25.0		61.8	24-134				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Batch BE30534 - EPA 3510C

LCS (BE30534-BS1) Prepared: 05/08/2023 Analyzed: 05/09/2023

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
4,6-Dinitro-2-methylphenol	49.6	5.00	ug/L	25.0		198	10-153	High Bias			
4-Bromophenyl phenyl ether	18.3	5.00	"	25.0		73.0	34-120				
4-Chloro-3-methylphenol	17.6	5.00	"	25.0		70.5	20-120				
4-Chloroaniline	12.1	5.00	"	25.0		48.4	10-147				
4-Chlorophenyl phenyl ether	19.0	5.00	"	25.0		76.1	27-121				
4-Nitroaniline	17.1	5.00	"	25.0		68.4	13-134				
4-Nitrophenol	7.38	5.00	"	25.0		29.5	10-131				
Acenaphthene	15.8	5.00	"	25.0		63.0	24-114				
Acenaphthylene	15.0	5.00	"	25.0		60.2	26-112				
Acetophenone	14.2	5.00	"	25.0		56.7	25-110				
Aniline	8.94	5.00	"	25.0		35.8	10-117				
Anthracene	17.9	5.00	"	25.0		71.6	35-114				
Atrazine	18.6	5.00	"	25.0		74.4	43-101				
Benzaldehyde	14.8	5.00	"	25.0		59.2	29-117				
Benzo(a)anthracene	17.5	5.00	"	25.0		70.1	38-127				
Benzo(a)pyrene	16.2	5.00	"	25.0		64.8	30-146				
Benzo(b)fluoranthene	17.3	5.00	"	25.0		69.1	36-145				
Benzo(g,h,i)perylene	17.7	5.00	"	25.0		70.7	10-163				
Benzo(k)fluoranthene	19.1	5.00	"	25.0		76.4	16-149				
Benzoic acid	7.64	5.00	"	25.0		30.6	30-130				
Benzyl alcohol	8.07	5.00	"	25.0		32.3	10-117				
Benzyl butyl phthalate	14.1	5.00	"	25.0		56.5	29-133				
Bis(2-chloroethoxy)methane	15.0	5.00	"	25.0		60.0	10-154				
Bis(2-chloroethyl)ether	11.4	5.00	"	25.0		45.4	17-125				
Bis(2-chloroisopropyl)ether	12.6	5.00	"	25.0		50.2	10-139				
Bis(2-ethylhexyl)phthalate	15.3	5.00	"	25.0		61.0	10-171				
Caprolactam	2.69	5.00	"	25.0		10.8	10-137				
Carbazole	17.3	5.00	"	25.0		69.3	42-126				
Chrysene	17.7	5.00	"	25.0		70.9	33-120				
Cresols, total	18.6	15.0	"	50.0		37.2	30-130				
Dibenzo(a,h)anthracene	17.3	5.00	"	25.0		69.3	10-149				
Dibenzofuran	17.3	5.00	"	25.0		69.2	36-113				
Diethyl phthalate	16.3	5.00	"	25.0		65.3	38-115				
Dimethyl phthalate	17.8	5.00	"	25.0		71.0	38-129				
Di-n-butyl phthalate	15.3	5.00	"	25.0		61.3	31-120				
Di-n-octyl phthalate	14.8	5.00	"	25.0		59.4	21-149				
Diphenylamine	19.0	5.00	"	25.0		76.1	40-140				
Fluoranthene	17.3	5.00	"	25.0		69.3	33-126				
Fluorene	17.3	5.00	"	25.0		69.2	28-117				
Hexachlorobenzene	13.5	5.00	"	25.0		54.0	27-120				
Hexachlorobutadiene	19.3	5.00	"	25.0		77.1	25-106				
Hexachlorocyclopentadiene	8.21	10.0	"	25.0		32.8	10-130				
Hexachloroethane	13.5	5.00	"	25.0		53.9	33-84				
Indeno(1,2,3-cd)pyrene	16.8	5.00	"	25.0		67.2	10-150				
Isophorone	16.2	5.00	"	25.0		65.0	25-127				
Naphthalene	16.7	5.00	"	25.0		66.7	30-99				
Nitrobenzene	17.6	5.00	"	25.0		70.2	32-113				
N-Nitrosodimethylamine	5.94	5.00	"	25.0		23.8	10-63				
N-nitroso-di-n-propylamine	12.4	5.00	"	25.0		49.4	26-122				
N-Nitrosodiphenylamine	18.0	5.00	"	25.0		72.0	23-149				
Pentachloronitrobenzene	19.0	5.00	"	25.0		76.0	40-140				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30534 - EPA 3510C											
LCS (BE30534-BS1)								Prepared: 05/08/2023 Analyzed: 05/09/2023			
Pentachlorophenol	13.8	5.00	ug/L	25.0		55.4	19-127				
Phenanthrene	17.0	5.00	"	25.0		67.8	31-112				
Phenol	5.27	5.00	"	25.0		21.1	10-110				
Pyrene	16.9	5.00	"	25.0		67.4	42-125				
Pyridine	4.11	5.00	"	25.5		16.1	10-90				
Surrogate: SURR: 2-Fluorophenol	*15.9*		*"*	*50.0*		*31.7*	*19.7-63.1*				
Surrogate: SURR: Phenol-d6	*9.11*		*"*	*50.0*		*18.2*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*17.5*		*"*	*25.0*		*69.9*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*16.3*		*"*	*25.0*		*65.4*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*48.0*		*"*	*50.0*		*96.1*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*18.7*		*"*	*25.0*		*75.0*	*30.7-106*				
LCS (BE30534-BS2)								Prepared: 05/08/2023 Analyzed: 05/09/2023			
Acenaphthene	0.450	0.0500	ug/L	1.00		45.0	25-116				
Acenaphthylene	0.430	0.0500	"	1.00		43.0	26-116				
Anthracene	0.460	0.0500	"	1.00		46.0	25-123				
Benzo(a)anthracene	0.540	0.0500	"	1.00		54.0	33-125				
Benzo(a)pyrene	0.410	0.0500	"	1.00		41.0	32-132				
Benzo(b)fluoranthene	0.560	0.0500	"	1.00		56.0	22-137				
Benzo(g,h,i)perylene	0.580	0.0500	"	1.00		58.0	10-138				
Benzo(k)fluoranthene	0.560	0.0500	"	1.00		56.0	20-137				
Bis(2-ethylhexyl)phthalate	0.630	0.500	"	1.00		63.0	10-189				
Chrysene	0.560	0.0500	"	1.00		56.0	32-124				
Dibenzo(a,h)anthracene	0.620	0.0500	"	1.00		62.0	16-133				
Fluoranthene	0.690	0.0500	"	1.00		69.0	32-121				
Fluorene	0.570	0.0500	"	1.00		57.0	28-118				
Hexachlorobenzene	0.440	0.0200	"	1.00		44.0	23-124				
Hexachlorobutadiene	0.530	0.500	"	1.00		53.0	15-123				
Hexachloroethane	1.80	0.500	"	1.00		180	18-115	High Bias			
Indeno(1,2,3-cd)pyrene	0.590	0.0500	"	1.00		59.0	15-135				
Naphthalene	0.470	0.0500	"	1.00		47.0	18-120				
Nitrobenzene	0.700	0.250	"	1.00		70.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	0.870	0.250	"	1.00		87.0	10-156				
Phenanthrene	0.550	0.0500	"	1.00		55.0	24-127				
Pyrene	0.460	0.0500	"	1.00		46.0	31-132				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30534 - EPA 3510C											
LCS Dup (BE30534-BSD1)								Prepared: 05/08/2023 Analyzed: 05/09/2023			
1,1-Biphenyl	14.1	5.00	ug/L	25.0		56.4	33-95		9.40	20	
1,2,4,5-Tetrachlorobenzene	19.6	5.00	"	25.0		78.2	26-120		14.6	20	
1,2,4-Trichlorobenzene	16.3	5.00	"	25.0		65.3	20-118		19.0	20	
1,2-Dichlorobenzene	13.3	5.00	"	25.0		53.0	29-111		13.9	20	
1,2-Diphenylhydrazine (as Azobenzene)	11.5	5.00	"	25.0		46.1	16-141		12.8	20	
1,3-Dichlorobenzene	12.7	5.00	"	25.0		50.9	23-117		15.1	20	
1,4-Dichlorobenzene	13.4	5.00	"	25.0		53.5	30-105		14.0	20	
1-Methylnaphthalene	15.8	5.00	"	25.0		63.4	40-140		9.50	20	
2,3,4,6-Tetrachlorophenol	19.0	5.00	"	25.0		75.9	30-130		6.38	20	
2,4,5-Trichlorophenol	17.4	5.00	"	25.0		69.5	32-114		12.3	20	
2,4,6-Trichlorophenol	16.1	5.00	"	25.0		64.3	35-118		14.5	20	
2,4-Dichlorophenol	17.9	5.00	"	25.0		71.7	25-116		12.7	20	
2,4-Dimethylphenol	12.0	5.00	"	25.0		48.0	15-116		12.9	20	
2,4-Dinitrophenol	24.6	5.00	"	25.0		98.6	10-170		37.8	20	Non-dir.
2,4-Dinitrotoluene	23.9	5.00	"	25.0		95.4	41-128		13.8	20	
2,6-Dinitrotoluene	22.6	5.00	"	25.0		90.3	45-116		12.4	20	
2-Chloronaphthalene	14.6	5.00	"	25.0		58.4	33-112		6.17	20	
2-Chlorophenol	11.0	5.00	"	25.0		44.2	15-120		18.4	20	
2-Methylnaphthalene	16.1	5.00	"	25.0		64.4	24-118		10.5	20	
2-Methylphenol	7.96	5.00	"	25.0		31.8	10-110		21.2	20	Non-dir.
2-Nitroaniline	16.3	5.00	"	25.0		65.2	34-129		19.8	20	
2-Nitrophenol	21.4	5.00	"	25.0		85.5	28-118		0.885	20	
3- & 4-Methylphenols	7.32	5.00	"	25.0		29.3	10-107		18.0	20	
3,3-Dichlorobenzidine	12.4	5.00	"	25.0		49.7	15-187		11.5	20	
3-Nitroaniline	13.5	5.00	"	25.0		53.8	24-134		13.8	20	
4,6-Dinitro-2-methylphenol	42.5	5.00	"	25.0		170	10-153	High Bias	15.2	20	
4-Bromophenyl phenyl ether	15.9	5.00	"	25.0		63.6	34-120		13.9	20	
4-Chloro-3-methylphenol	15.3	5.00	"	25.0		61.1	20-120		14.2	20	
4-Chloroaniline	10.5	5.00	"	25.0		41.9	10-147		14.3	20	
4-Chlorophenyl phenyl ether	16.6	5.00	"	25.0		66.5	27-121		13.4	20	
4-Nitroaniline	14.4	5.00	"	25.0		57.4	13-134		17.4	20	
4-Nitrophenol	6.15	5.00	"	25.0		24.6	10-131		18.2	20	
Acenaphthene	14.1	5.00	"	25.0		56.4	24-114		11.1	20	
Acenaphthylene	13.3	5.00	"	25.0		53.2	26-112		12.3	20	
Acetophenone	12.6	5.00	"	25.0		50.5	25-110		11.6	20	
Aniline	8.19	5.00	"	25.0		32.8	10-117		8.76	20	
Anthracene	15.4	5.00	"	25.0		61.7	35-114		14.8	20	
Atrazine	17.1	5.00	"	25.0		68.4	43-101		8.41	20	
Benzaldehyde	13.0	5.00	"	25.0		52.1	29-117		12.8	20	
Benzo(a)anthracene	15.6	5.00	"	25.0		62.5	38-127		11.4	20	
Benzo(a)pyrene	14.5	5.00	"	25.0		58.0	30-146		11.1	20	
Benzo(b)fluoranthene	17.4	5.00	"	25.0		69.7	36-145		0.865	20	
Benzo(g,h,i)perylene	16.0	5.00	"	25.0		64.1	10-163		9.85	20	
Benzo(k)fluoranthene	17.4	5.00	"	25.0		69.7	16-149		9.14	20	
Benzoic acid	6.20	5.00	"	25.0		24.8	30-130	Low Bias	20.8	20	Non-dir.
Benzyl alcohol	6.49	5.00	"	25.0		26.0	10-117		21.7	20	Non-dir.
Benzyl butyl phthalate	12.5	5.00	"	25.0		50.1	29-133		12.0	20	
Bis(2-chloroethoxy)methane	14.7	5.00	"	25.0		59.0	10-154		1.68	20	
Bis(2-chloroethyl)ether	11.0	5.00	"	25.0		44.0	17-125		3.22	20	
Bis(2-chloroisopropyl)ether	11.1	5.00	"	25.0		44.2	10-139		12.6	20	
Bis(2-ethylhexyl)phthalate	13.4	5.00	"	25.0		53.6	10-171		12.9	20	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30534 - EPA 3510C											
LCS Dup (BE30534-BSD1)									Prepared: 05/08/2023 Analyzed: 05/09/2023		
Caprolactam	3.23	5.00	ug/L	25.0		12.9	10-137		18.2	20	
Carbazole	15.3	5.00	"	25.0		61.2	42-126		12.5	20	
Chrysene	16.0	5.00	"	25.0		64.2	33-120		10.0	20	
Cresols, total	15.3	15.0	"	50.0		30.6	30-130		19.7	20	
Dibenzo(a,h)anthracene	15.7	5.00	"	25.0		62.8	10-149		9.87	20	
Dibenzofuran	15.5	5.00	"	25.0		61.9	36-113		11.1	20	
Diethyl phthalate	14.6	5.00	"	25.0		58.2	38-115		11.5	20	
Dimethyl phthalate	15.4	5.00	"	25.0		61.6	38-129		14.2	20	
Di-n-butyl phthalate	13.7	5.00	"	25.0		54.6	31-120		11.5	20	
Di-n-octyl phthalate	13.2	5.00	"	25.0		52.8	21-149		11.7	20	
Diphenylamine	16.7	5.00	"	25.0		66.9	40-140		12.9	20	
Fluoranthene	15.6	5.00	"	25.0		62.6	33-126		10.1	20	
Fluorene	15.4	5.00	"	25.0		61.5	28-117		11.7	20	
Hexachlorobenzene	12.0	5.00	"	25.0		48.0	27-120		11.6	20	
Hexachlorobutadiene	17.6	5.00	"	25.0		70.4	25-106		9.06	20	
Hexachlorocyclopentadiene	7.05	10.0	"	25.0		28.2	10-130		15.2	20	
Hexachloroethane	11.7	5.00	"	25.0		46.7	33-84		14.4	20	
Indeno(1,2,3-cd)pyrene	15.0	5.00	"	25.0		60.2	10-150		11.0	20	
Isophorone	14.2	5.00	"	25.0		56.8	25-127		13.5	20	
Naphthalene	14.8	5.00	"	25.0		59.3	30-99		11.7	20	
Nitrobenzene	15.8	5.00	"	25.0		63.2	32-113		10.4	20	
N-Nitrosodimethylamine	4.68	5.00	"	25.0		18.7	10-63		23.7	20	Non-dir.
N-nitroso-di-n-propylamine	11.0	5.00	"	25.0		44.0	26-122		11.7	20	
N-Nitrosodiphenylamine	15.8	5.00	"	25.0		63.1	23-149		13.1	20	
Pentachloronitrobenzene	16.3	5.00	"	25.0		65.3	40-140		15.1	20	
Pentachlorophenol	13.5	5.00	"	25.0		54.1	19-127		2.34	20	
Phenanthrene	15.0	5.00	"	25.0		59.8	31-112		12.5	20	
Phenol	4.21	5.00	"	25.0		16.8	10-110		22.4	20	Non-dir.
Pyrene	14.7	5.00	"	25.0		58.7	42-125		13.8	20	
Pyridine	3.70	5.00	"	25.5		14.5	10-90		10.5	20	
Surrogate: SURR: 2-Fluorophenol	*12.0*		"	*50.0*		*23.9*	*19.7-63.1*				
Surrogate: SURR: Phenol-d6	*7.11*		"	*50.0*		*14.2*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*16.3*		"	*25.0*		*65.4*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*15.1*		"	*25.0*		*60.6*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*44.0*		"	*50.0*		*88.0*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*17.2*		"	*25.0*		*68.8*	*30.7-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30556 - EPA 3550C											
Blank (BE30556-BLK1)											Prepared & Analyzed: 05/09/2023
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	ND	0.0416	"								
1-Methylnaphthalene	ND	0.0830	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30556 - EPA 3550C											
Blank (BE30556-BLK1)											Prepared & Analyzed: 05/09/2023
Bis(2-ethylhexyl)phthalate	ND	0.0416	mg/kg wet								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Cresols, total	ND	0.0830	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachloronitrobenzene	ND	0.0830	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Propargite	ND	0.166	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Resorcinol	ND	0.166	"								
Parathion	ND	0.0416	"								
Surrogate: SURR: 2-Fluorophenol	*1.43*		*"*	*1.66*		*86.1*	*20-108*				
Surrogate: SURR: Phenol-d6	*1.38*		*"*	*1.66*		*83.1*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.770*		*"*	*0.831*		*92.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.686*		*"*	*0.831*		*82.6*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.46*		*"*	*1.66*		*87.6*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.774*		*"*	*0.831*		*93.2*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30556 - EPA 3550C											
LCS (BE30556-BS1)							Prepared & Analyzed: 05/09/2023				
1,1-Biphenyl	0.605	0.0416	mg/kg wet	0.831		72.8	18-111				
1,2,4,5-Tetrachlorobenzene	0.628	0.0830	"	0.831		75.6	21-131				
1,2,4-Trichlorobenzene	0.589	0.0416	"	0.831		70.9	10-140				
1,2-Dichlorobenzene	0.587	0.0416	"	0.831		70.7	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.687	0.0416	"	0.831		82.7	17-137				
1,3-Dichlorobenzene	0.566	0.0416	"	0.831		68.2	33-110				
1,4-Dichlorobenzene	0.590	0.0416	"	0.831		71.0	32-104				
1-Methylnaphthalene	0.577	0.0830	"	0.831		69.5	40-140				
2,3,4,6-Tetrachlorophenol	0.742	0.0830	"	0.831		89.4	30-130				
2,4,5-Trichlorophenol	0.605	0.0416	"	0.831		72.8	27-118				
2,4,6-Trichlorophenol	0.581	0.0416	"	0.831		69.9	31-120				
2,4-Dichlorophenol	0.617	0.0416	"	0.831		74.3	20-127				
2,4-Dimethylphenol	0.616	0.0416	"	0.831		74.2	14-132				
2,4-Dinitrophenol	0.338	0.0830	"	0.831		40.7	10-171				
2,4-Dinitrotoluene	0.693	0.0416	"	0.831		83.5	34-131				
2,6-Dinitrotoluene	0.695	0.0416	"	0.831		83.6	31-128				
2-Chloronaphthalene	0.600	0.0416	"	0.831		72.2	31-117				
2-Chlorophenol	0.657	0.0416	"	0.831		79.1	33-113				
2-Methylnaphthalene	0.593	0.0416	"	0.831		71.4	12-138				
2-Methylphenol	0.623	0.0416	"	0.831		75.0	10-136				
2-Nitroaniline	0.695	0.0830	"	0.831		83.7	27-132				
2-Nitrophenol	0.662	0.0416	"	0.831		79.8	17-129				
3- & 4-Methylphenols	0.545	0.0416	"	0.831		65.6	29-103				
3,3-Dichlorobenzidine	0.597	0.0416	"	0.831		71.8	22-149				
3-Nitroaniline	0.560	0.0830	"	0.831		67.5	20-133				
4,6-Dinitro-2-methylphenol	0.462	0.0830	"	0.831		55.7	10-143				
4-Bromophenyl phenyl ether	0.683	0.0416	"	0.831		82.2	29-120				
4-Chloro-3-methylphenol	0.727	0.0416	"	0.831		87.6	24-129				
4-Chloroaniline	0.411	0.0416	"	0.831		49.5	10-132				
4-Chlorophenyl phenyl ether	0.570	0.0416	"	0.831		68.6	27-124				
4-Nitroaniline	0.651	0.0830	"	0.831		78.4	16-128				
4-Nitrophenol	0.674	0.0830	"	0.831		81.2	10-141				
Acenaphthene	0.607	0.0416	"	0.831		73.1	30-121				
Acenaphthylene	0.559	0.0416	"	0.831		67.3	30-115				
Acetophenone	0.614	0.0416	"	0.831		73.9	20-112				
Aniline	0.564	0.166	"	0.831		67.9	10-119				
Anthracene	0.579	0.0416	"	0.831		69.7	34-118				
Atrazine	0.745	0.0416	"	0.831		89.7	26-112				
Benzaldehyde	0.554	0.0416	"	0.831		66.8	21-100				
Benzo(a)anthracene	0.613	0.0416	"	0.831		73.8	32-122				
Benzo(a)pyrene	0.616	0.0416	"	0.831		74.1	29-133				
Benzo(b)fluoranthene	0.627	0.0416	"	0.831		75.5	25-133				
Benzo(g,h,i)perylene	0.617	0.0416	"	0.831		74.2	10-143				
Benzo(k)fluoranthene	0.669	0.0416	"	0.831		80.6	25-128				
Benzoic acid	0.515	0.0416	"	0.831		62.0	10-140				
Benzyl alcohol	0.625	0.0416	"	0.831		75.3	30-115				
Benzyl butyl phthalate	0.900	0.0416	"	0.831		108	26-126				
Bis(2-chloroethoxy)methane	0.626	0.0416	"	0.831		75.4	19-132				
Bis(2-chloroethyl)ether	0.594	0.0416	"	0.831		71.5	19-125				
Bis(2-chloroisopropyl)ether	0.569	0.0416	"	0.831		68.5	20-135				
Bis(2-ethylhexyl)phthalate	0.870	0.0416	"	0.831		105	10-155				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30556 - EPA 3550C											
LCS (BE30556-BS1)								Prepared & Analyzed: 05/09/2023			
Caprolactam	0.702	0.0830	mg/kg wet	0.831		84.6	10-127				
Carbazole	0.589	0.0416	"	0.831		70.9	35-123				
Chrysene	0.594	0.0416	"	0.831		71.5	32-123				
Cresols, total	1.17	0.0830	"	1.66		70.3	30-130				
Dibenzo(a,h)anthracene	0.617	0.0416	"	0.831		74.2	10-136				
Dibenzofuran	0.597	0.0416	"	0.831		71.8	29-121				
Diethyl phthalate	0.683	0.0416	"	0.831		82.2	34-116				
Dimethyl phthalate	0.606	0.0416	"	0.831		73.0	35-124				
Di-n-butyl phthalate	0.701	0.0416	"	0.831		84.4	31-116				
Di-n-octyl phthalate	0.902	0.0416	"	0.831		109	26-136				
Diphenylamine	0.824	0.0830	"	0.831		99.2	40-140				
Fluoranthene	0.523	0.0416	"	0.831		63.0	33-122				
Fluorene	0.584	0.0416	"	0.831		70.4	29-123				
Hexachlorobenzene	0.785	0.0416	"	0.831		94.5	21-124				
Hexachlorobutadiene	0.574	0.0416	"	0.831		69.1	10-149				
Hexachlorocyclopentadiene	0.197	0.0416	"	0.831		23.7	10-129				
Hexachloroethane	0.612	0.0416	"	0.831		73.7	28-108				
Indeno(1,2,3-cd)pyrene	0.651	0.0416	"	0.831		78.4	10-135				
Isophorone	0.652	0.0416	"	0.831		78.5	20-132				
Naphthalene	0.608	0.0416	"	0.831		73.2	23-124				
Nitrobenzene	0.648	0.0416	"	0.831		78.0	13-132				
N-Nitrosodimethylamine	0.526	0.0416	"	0.831		63.3	11-129				
N-nitroso-di-n-propylamine	0.615	0.0416	"	0.831		74.1	24-119				
N-Nitrosodiphenylamine	0.775	0.0416	"	0.831		93.3	22-152				
Pentachloronitrobenzene	0.635	0.0830	"	0.831		76.5	40-140				
Pentachlorophenol	0.456	0.0416	"	0.831		54.9	10-139				
Phenanthrene	0.583	0.0416	"	0.831		70.2	33-123				
Phenol	0.620	0.0416	"	0.831		74.6	23-115				
Pyrene	0.654	0.0416	"	0.831		78.7	24-130				
Pyridine	0.456	0.166	"	0.831		54.9	10-91				
Surrogate: SURR: 2-Fluorophenol	*1.13*		*"*	*1.66*		*68.2*	*20-108*				
Surrogate: SURR: Phenol-d6	*1.17*		*"*	*1.66*		*70.7*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.616*		*"*	*0.831*		*74.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.580*		*"*	*0.831*		*69.8*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.22*		*"*	*1.66*		*73.5*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.632*		*"*	*0.831*		*76.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30556 - EPA 3550C											
Matrix Spike (BE30556-MS1)	*Source sample: 23E0136-01 (Matrix Spike)							Prepared & Analyzed: 05/09/2023			
1,1-Biphenyl	0.457	0.0916	mg/kg dry	0.915	ND	49.9	10-130				
1,2,4,5-Tetrachlorobenzene	0.450	0.183	"	0.915	ND	49.1	10-133				
1,2,4-Trichlorobenzene	0.406	0.0916	"	0.915	ND	44.3	10-127				
1,2-Dichlorobenzene	0.330	0.0916	"	0.915	ND	36.1	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.530	0.0916	"	0.915	ND	57.9	10-144				
1,3-Dichlorobenzene	0.318	0.0916	"	0.915	ND	34.7	11-111				
1,4-Dichlorobenzene	0.335	0.0916	"	0.915	ND	36.6	10-106				
1-Methylnaphthalene	0.413	0.183	"	0.915	ND	45.1	40-140				
2,3,4,6-Tetrachlorophenol	0.565	0.183	"	0.915	ND	61.7	30-130				
2,4,5-Trichlorophenol	0.447	0.0916	"	0.915	ND	48.9	10-127				
2,4,6-Trichlorophenol	0.428	0.0916	"	0.915	ND	46.8	10-132				
2,4-Dichlorophenol	0.407	0.0916	"	0.915	ND	44.5	10-128				
2,4-Dimethylphenol	0.386	0.0916	"	0.915	ND	42.2	10-137				
2,4-Dinitrophenol	ND	0.183	"	0.915	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.529	0.0916	"	0.915	ND	57.8	16-135				
2,6-Dinitrotoluene	0.597	0.0916	"	0.915	ND	65.2	18-131				
2-Chloronaphthalene	0.422	0.0916	"	0.915	ND	46.1	10-129				
2-Chlorophenol	0.390	0.0916	"	0.915	ND	42.6	15-116				
2-Methylnaphthalene	0.469	0.0916	"	0.915	0.0740	43.1	10-147				
2-Methylphenol	0.393	0.0916	"	0.915	ND	42.9	10-136				
2-Nitroaniline	0.533	0.183	"	0.915	ND	58.2	10-137				
2-Nitrophenol	0.319	0.0916	"	0.915	ND	34.9	10-129				
3- & 4-Methylphenols	0.327	0.0916	"	0.915	ND	35.8	10-123				
3,3-Dichlorobenzidine	0.264	0.0916	"	0.915	ND	28.9	10-155				
3-Nitroaniline	0.500	0.183	"	0.915	ND	54.6	12-133				
4,6-Dinitro-2-methylphenol	ND	0.183	"	0.915	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.532	0.0916	"	0.915	ND	58.1	14-128				
4-Chloro-3-methylphenol	0.487	0.0916	"	0.915	ND	53.2	10-134				
4-Chloroaniline	0.294	0.0916	"	0.915	ND	32.1	10-145				
4-Chlorophenyl phenyl ether	0.430	0.0916	"	0.915	ND	47.0	14-130				
4-Nitroaniline	0.461	0.183	"	0.915	ND	50.3	10-147				
4-Nitrophenol	0.632	0.183	"	0.915	ND	69.0	10-137				
Acenaphthene	0.496	0.0916	"	0.915	ND	54.2	10-146				
Acenaphthylene	0.432	0.0916	"	0.915	0.0493	41.8	10-134				
Acetophenone	0.368	0.0916	"	0.915	ND	40.2	10-116				
Aniline	0.275	0.367	"	0.915	ND	30.1	10-123				
Anthracene	0.531	0.0916	"	0.915	0.124	44.5	10-142				
Atrazine	0.584	0.0916	"	0.915	ND	63.8	19-115				
Benzaldehyde	0.416	0.0916	"	0.915	ND	45.4	10-125				
Benzo(a)anthracene	0.780	0.0916	"	0.915	0.400	41.5	10-158				
Benzo(a)pyrene	0.689	0.0916	"	0.915	0.432	28.1	10-180				
Benzo(b)fluoranthene	0.750	0.0916	"	0.915	0.589	17.6	10-200				
Benzo(g,h,i)perylene	0.606	0.0916	"	0.915	ND	66.2	10-138				
Benzo(k)fluoranthene	0.710	0.0916	"	0.915	0.178	58.0	10-197				
Benzoic acid	0.467	0.0916	"	0.915	ND	51.0	10-166				
Benzyl alcohol	0.373	0.0916	"	0.915	ND	40.7	12-124				
Benzyl butyl phthalate	0.958	0.0916	"	0.915	0.0689	97.1	10-154				
Bis(2-chloroethoxy)methane	0.391	0.0916	"	0.915	ND	42.7	10-132				
Bis(2-chloroethyl)ether	0.361	0.0916	"	0.915	ND	39.4	10-119				
Bis(2-chloroisopropyl)ether	0.343	0.0916	"	0.915	ND	37.4	10-139				
Bis(2-ethylhexyl)phthalate	2.60	0.0916	"	0.915	1.55	114	10-167				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30556 - EPA 3550C											
Matrix Spike (BE30556-MS1)	*Source sample: 23E0136-01 (Matrix Spike)							Prepared & Analyzed: 05/09/2023			
Caprolactam	0.527	0.183	mg/kg dry	0.915	ND	57.6	10-132				
Carbazole	0.484	0.0916	"	0.915	0.0464	47.8	10-167				
Chrysene	0.757	0.0916	"	0.915	0.418	37.0	10-156				
Cresols, total	0.720	0.183	"	1.83	ND	39.3	30-130				
Dibenzo(a,h)anthracene	0.497	0.0916	"	0.915	0.0660	47.0	10-137				
Dibenzofuran	0.455	0.0916	"	0.915	ND	49.7	10-147				
Diethyl phthalate	0.551	0.0916	"	0.915	ND	60.2	20-120				
Dimethyl phthalate	0.439	0.0916	"	0.915	ND	47.9	18-131				
Di-n-butyl phthalate	0.675	0.0916	"	0.915	0.0674	66.3	10-137				
Di-n-octyl phthalate	0.852	0.0916	"	0.915	ND	93.0	10-180				
Diphenylamine	0.765	0.183	"	0.915	ND	83.6	40-140				
Fluoranthene	0.820	0.0916	"	0.915	0.891	NR	10-160	Low Bias			
Fluorene	0.457	0.0916	"	0.915	0.0537	44.1	10-157				
Hexachlorobenzene	0.728	0.0916	"	0.915	ND	79.5	10-137				
Hexachlorobutadiene	0.337	0.0916	"	0.915	ND	36.8	10-132				
Hexachlorocyclopentadiene	ND	0.0916	"	0.915	ND		10-106	Low Bias			
Hexachloroethane	0.286	0.0916	"	0.915	ND	31.3	10-110				
Indeno(1,2,3-cd)pyrene	0.623	0.0916	"	0.915	0.301	35.1	10-144				
Isophorone	0.366	0.0916	"	0.915	ND	40.0	10-132				
Naphthalene	0.428	0.0916	"	0.915	0.0762	38.5	10-141				
Nitrobenzene	0.373	0.0916	"	0.915	ND	40.7	10-131				
N-Nitrosodimethylamine	0.292	0.0916	"	0.915	ND	31.9	10-126				
N-nitroso-di-n-propylamine	0.359	0.0916	"	0.915	ND	39.2	10-125				
N-Nitrosodiphenylamine	0.670	0.0916	"	0.915	ND	73.2	10-177				
Pentachloronitrobenzene	0.652	0.183	"	0.915	ND	71.2	40-140				
Pentachlorophenol	0.299	0.0916	"	0.915	ND	32.6	10-153				
Phenanthrene	0.622	0.0916	"	0.915	0.413	22.8	10-148				
Phenol	0.367	0.0916	"	0.915	ND	40.1	10-126				
Pyrene	1.22	0.0916	"	0.915	0.917	33.5	10-165				
Pyridine	0.264	0.367	"	0.915	ND	28.8	10-83				
Surrogate: SURR: 2-Fluorophenol	*0.656*		"	*1.83*		*35.8*	*20-108*				
Surrogate: SURR: Phenol-d6	*0.692*		"	*1.83*		*37.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.399*		"	*0.915*		*43.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.402*		"	*0.915*		*43.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.01*		"	*1.83*		*55.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.518*		"	*0.915*		*56.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30556 - EPA 3550C											
Matrix Spike Dup (BE30556-MSD1)	*Source sample: 23E0136-01 (Matrix Spike Dup)							Prepared & Analyzed: 05/09/2023			
1,1-Biphenyl	0.495	0.0910	mg/kg dry	0.910	ND	54.5	10-130		8.08	30	
1,2,4,5-Tetrachlorobenzene	0.479	0.182	"	0.910	ND	52.7	10-133		6.42	30	
1,2,4-Trichlorobenzene	0.414	0.0910	"	0.910	ND	45.5	10-127		2.02	30	
1,2-Dichlorobenzene	0.375	0.0910	"	0.910	ND	41.3	14-111		12.8	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.617	0.0910	"	0.910	ND	67.8	10-144		15.1	30	
1,3-Dichlorobenzene	0.362	0.0910	"	0.910	ND	39.8	11-111		13.1	30	
1,4-Dichlorobenzene	0.359	0.0910	"	0.910	ND	39.4	10-106		6.71	30	
1-Methylnaphthalene	0.512	0.182	"	0.910	ND	56.2	40-140		21.3	30	
2,3,4,6-Tetrachlorophenol	0.663	0.182	"	0.910	ND	72.9	30-130		16.0	30	
2,4,5-Trichlorophenol	0.481	0.0910	"	0.910	ND	52.9	10-127		7.21	30	
2,4,6-Trichlorophenol	0.496	0.0910	"	0.910	ND	54.6	10-132		14.7	30	
2,4-Dichlorophenol	0.469	0.0910	"	0.910	ND	51.6	10-128		14.2	30	
2,4-Dimethylphenol	0.490	0.0910	"	0.910	ND	53.9	10-137		23.8	30	
2,4-Dinitrophenol	ND	0.182	"	0.910	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.501	0.0910	"	0.910	ND	55.0	16-135		5.48	30	
2,6-Dinitrotoluene	0.538	0.0910	"	0.910	ND	59.2	18-131		10.3	30	
2-Chloronaphthalene	0.474	0.0910	"	0.910	ND	52.1	10-129		11.6	30	
2-Chlorophenol	0.421	0.0910	"	0.910	ND	46.3	15-116		7.62	30	
2-Methylnaphthalene	0.533	0.0910	"	0.910	0.0740	50.4	10-147		12.8	30	
2-Methylphenol	0.430	0.0910	"	0.910	ND	47.3	10-136		9.11	30	
2-Nitroaniline	0.616	0.182	"	0.910	ND	67.7	10-137		14.3	30	
2-Nitrophenol	0.301	0.0910	"	0.910	ND	33.1	10-129		5.83	30	
3- & 4-Methylphenols	0.383	0.0910	"	0.910	ND	42.2	10-123		15.8	30	
3,3-Dichlorobenzidine	0.282	0.0910	"	0.910	ND	31.0	10-155		6.30	30	
3-Nitroaniline	0.626	0.182	"	0.910	ND	68.8	12-133		22.3	30	
4,6-Dinitro-2-methylphenol	ND	0.182	"	0.910	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.565	0.0910	"	0.910	ND	62.1	14-128		6.00	30	
4-Chloro-3-methylphenol	0.597	0.0910	"	0.910	ND	65.6	10-134		20.2	30	
4-Chloroaniline	0.369	0.0910	"	0.910	ND	40.6	10-145		22.7	30	
4-Chlorophenyl phenyl ether	0.518	0.0910	"	0.910	ND	57.0	14-130		18.6	30	
4-Nitroaniline	0.586	0.182	"	0.910	ND	64.4	10-147		23.9	30	
4-Nitrophenol	0.576	0.182	"	0.910	ND	63.3	10-137		9.36	30	
Acenaphthene	0.599	0.0910	"	0.910	ND	65.8	10-146		18.8	30	
Acenaphthylene	0.497	0.0910	"	0.910	0.0493	49.2	10-134		14.0	30	
Acetophenone	0.407	0.0910	"	0.910	ND	44.7	10-116		10.1	30	
Aniline	0.350	0.365	"	0.910	ND	38.5	10-123		23.9	30	
Anthracene	0.761	0.0910	"	0.910	0.124	70.0	10-142		35.6	30	Non-dir.
Atrazine	0.672	0.0910	"	0.910	ND	73.9	19-115		14.0	30	
Benzaldehyde	0.469	0.0910	"	0.910	ND	51.6	10-125		12.0	30	
Benzo(a)anthracene	1.03	0.0910	"	0.910	0.400	69.6	10-158		27.9	30	
Benzo(a)pyrene	0.858	0.0910	"	0.910	0.432	46.9	10-180		21.8	30	
Benzo(b)fluoranthene	0.944	0.0910	"	0.910	0.589	39.1	10-200		23.0	30	
Benzo(g,h,i)perylene	0.751	0.0910	"	0.910	ND	82.6	10-138		21.4	30	
Benzo(k)fluoranthene	0.884	0.0910	"	0.910	0.178	77.6	10-197		21.9	30	
Benzoic acid	0.478	0.0910	"	0.910	ND	52.6	10-166		2.28	30	
Benzyl alcohol	0.392	0.0910	"	0.910	ND	43.1	12-124		5.07	30	
Benzyl butyl phthalate	1.70	0.0910	"	0.910	0.0689	180	10-154	High Bias	56.1	30	Non-dir.
Bis(2-chloroethoxy)methane	0.469	0.0910	"	0.910	ND	51.5	10-132		18.0	30	
Bis(2-chloroethyl)ether	0.426	0.0910	"	0.910	ND	46.9	10-119		16.6	30	
Bis(2-chloroisopropyl)ether	0.370	0.0910	"	0.910	ND	40.6	10-139		7.54	30	
Bis(2-ethylhexyl)phthalate	3.06	0.0910	"	0.910	1.55	166	10-167		16.3	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30556 - EPA 3550C											
Matrix Spike Dup (BE30556-MSD1)	*Source sample: 23E0136-01 (Matrix Spike Dup)								Prepared & Analyzed: 05/09/2023		
Caprolactam	0.549	0.182	mg/kg dry	0.910	ND	60.3	10-132		3.96	30	
Carbazole	0.616	0.0910	"	0.910	0.0464	62.6	10-167		23.9	30	
Chrysene	0.985	0.0910	"	0.910	0.418	62.3	10-156		26.2	30	
Cresols, total	0.813	0.182	"	1.82	ND	44.7	30-130		12.2	30	
Dibenzo(a,h)anthracene	0.570	0.0910	"	0.910	0.0660	55.4	10-137		13.7	30	
Dibenzofuran	0.546	0.0910	"	0.910	ND	60.0	10-147		18.2	30	
Diethyl phthalate	0.623	0.0910	"	0.910	ND	68.5	20-120		12.3	30	
Dimethyl phthalate	0.518	0.0910	"	0.910	ND	57.0	18-131		16.6	30	
Di-n-butyl phthalate	0.761	0.0910	"	0.910	0.0674	76.3	10-137		12.1	30	
Di-n-octyl phthalate	1.05	0.0910	"	0.910	ND	116	10-180		21.3	30	
Diphenylamine	0.894	0.182	"	0.910	ND	98.3	40-140		15.5	30	
Fluoranthene	1.25	0.0910	"	0.910	0.891	39.1	10-160		41.4	30	Non-dir.
Fluorene	0.590	0.0910	"	0.910	0.0537	59.0	10-157		25.4	30	
Hexachlorobenzene	0.906	0.0910	"	0.910	ND	99.6	10-137		21.8	30	
Hexachlorobutadiene	0.386	0.0910	"	0.910	ND	42.5	10-132		13.7	30	
Hexachlorocyclopentadiene	ND	0.0910	"	0.910	ND		10-106	Low Bias		30	
Hexachloroethane	0.362	0.0910	"	0.910	ND	39.8	10-110		23.4	30	
Indeno(1,2,3-cd)pyrene	0.861	0.0910	"	0.910	0.301	61.6	10-144		32.2	30	Non-dir.
Isophorone	0.440	0.0910	"	0.910	ND	48.4	10-132		18.4	30	
Naphthalene	0.517	0.0910	"	0.910	0.0762	48.5	10-141		18.8	30	
Nitrobenzene	0.470	0.0910	"	0.910	ND	51.7	10-131		23.1	30	
N-Nitrosodimethylamine	0.317	0.0910	"	0.910	ND	34.8	10-126		7.98	30	
N-nitroso-di-n-propylamine	0.450	0.0910	"	0.910	ND	49.5	10-125		22.6	30	
N-Nitrosodiphenylamine	0.763	0.0910	"	0.910	ND	83.8	10-177		12.9	30	
Pentachloronitrobenzene	0.573	0.182	"	0.910	ND	63.0	40-140		12.8	30	
Pentachlorophenol	0.477	0.0910	"	0.910	ND	52.5	10-153		46.0	30	Non-dir.
Phenanthrene	1.24	0.0910	"	0.910	0.413	91.4	10-148		66.8	30	Non-dir.
Phenol	0.421	0.0910	"	0.910	ND	46.3	10-126		13.8	30	
Pyrene	1.88	0.0910	"	0.910	0.917	105	10-165		42.0	30	Non-dir.
Pyridine	0.239	0.365	"	0.910	ND	26.3	10-83		9.65	30	
Surrogate: SURR: 2-Fluorophenol	*0.697*		"	*1.82*		*38.3*	*20-108*				
Surrogate: SURR: Phenol-d6	*0.763*		"	*1.82*		*42.0*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.439*		"	*0.910*		*48.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.426*		"	*0.910*		*46.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.11*		"	*1.82*		*60.9*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.559*		"	*0.910*		*61.4*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - 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 BE30301 - EPA 3535A											
Blank (BE30301-BLK1)									Prepared: 05/04/2023 Analyzed: 05/05/2023		
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	*4.10*		*"*	*4.00*		*102*	*36.6-118*				
LCS (BE30301-BS1)									Prepared: 05/04/2023 Analyzed: 05/05/2023		
1,4-Dioxane	4.53	0.300	ug/L	4.00		113	50-130				
Surrogate: 1,4-Dioxane-d8	*3.81*		*"*	*4.00*		*95.3*	*36.6-118*				
Matrix Spike (BE30301-MS1)	*Source sample: 23E0252-02 (Matrix Spike)								Prepared: 05/04/2023 Analyzed: 05/05/2023		
1,4-Dioxane	4.40	0.300	ug/L	4.00	ND	110	50-130				
Surrogate: 1,4-Dioxane-d8	*3.73*		*"*	*4.00*		*93.4*	*50-130*				
Matrix Spike Dup (BE30301-MSD1)	*Source sample: 23E0252-02 (Matrix Spike Dup)								Prepared: 05/04/2023 Analyzed: 05/05/2023		
1,4-Dioxane	3.97	0.300	ug/L	4.00	ND	99.2	50-130		10.3	30	
Surrogate: 1,4-Dioxane-d8	*3.65*		*"*	*4.00*		*91.2*	*50-130*				
Batch BE30442 - EPA 3550C											
Blank (BE30442-BLK1)									Prepared: 05/07/2023 Analyzed: 05/08/2023		
1,4-Dioxane	ND	0.0198	mg/kg								
Surrogate: 1,4-Dioxane-d8	*0.266*		*"*	*0.495*		*53.7*	*39-127.5*				
LCS (BE30442-BS1)									Prepared: 05/07/2023 Analyzed: 05/08/2023		
1,4-Dioxane	0.638	0.0198	mg/kg	0.495		129	40-130				
Surrogate: 1,4-Dioxane-d8	*0.244*		*"*	*0.495*		*49.3*	*39-127.5*				
Matrix Spike (BE30442-MS1)	*Source sample: 23D1717-04 (Matrix Spike)								Prepared: 05/07/2023 Analyzed: 05/08/2023		
1,4-Dioxane	0.527	0.0198	mg/kg	0.495	ND	106	40-130				
Surrogate: 1,4-Dioxane-d8	*0.266*		*"*	*0.495*		*53.7*	*40-130*				

Semivolatile Organic Compounds by GC/MS/SIM - 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 BE30442 - EPA 3550C											
Matrix Spike Dup (BE30442-MSD1)	*Source sample: 23D1717-04 (Matrix Spike Dup)								Prepared: 05/07/2023 Analyzed: 05/08/2023		
1,4-Dioxane	0.479	0.0198	mg/kg	0.495	ND	96.8	40-130		9.45	30	
Surrogate: 1,4-Dioxane-d8	*0.316*		"	*0.495*		*63.9*	*40-130*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30255 - EPA 1633 Prep											
Blank (BE30255-BLK1)											
Prepared: 05/03/2023 Analyzed: 05/05/2023											
Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	7.12	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	*76.2*		"	*46.6*		*164*	*25-150*				
Surrogate: M5PFHxA	*65.5*		"	*50.0*		*131*	*25-150*				
Surrogate: M4PFHpA	*64.1*		"	*50.0*		*128*	*25-150*				
Surrogate: M3PFHxS	*67.1*		"	*47.4*		*142*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*55.6*		"	*50.0*		*111*	*25-150*				
Surrogate: M6PFDA	*29.8*		"	*25.0*		*119*	*25-150*				
Surrogate: M7PFUdA	*33.9*		"	*25.0*		*136*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30255 - EPA 1633 Prep											
Blank (BE30255-BLK1)								Prepared: 05/03/2023 Analyzed: 05/05/2023			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*32.6*		*ng/L*	*25.0*		*131*	*25-150*				
Surrogate: M2PFTeDA	*27.2*		*"*	*25.0*		*109*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*24.7*		*"*	*200*		*12.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*53.7*		*"*	*47.9*		*112*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*115*		*"*	*100*		*115*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*52.3*		*"*	*50.0*		*105*	*10-150*				
Surrogate: d3-N-MeFOSAA	*105*		*"*	*100*		*105*	*25-150*				
Surrogate: d5-N-EtFOSAA	*97.1*		*"*	*100*		*97.1*	*25-150*				
Surrogate: M2-6:2 FTS	*119*		*"*	*95.1*		*125*	*25-200*				
Surrogate: M2-8:2 FTS	*108*		*"*	*96.0*		*112*	*25-200*				
Surrogate: M9PFNA	*21.2*		*"*	*25.0*		*84.7*	*25-150*				
Surrogate: M2-4:2 FTS	*128*		*"*	*93.8*		*137*	*25-150*				
Surrogate: d-N-MeFOSA	*53.1*		*"*	*50.0*		*106*	*25-150*				
Surrogate: d-N-EtFOSA	*67.6*		*"*	*50.0*		*135*	*25-150*				
Surrogate: M3HFPO-DA	*281*		*"*	*200*		*141*	*25-150*				
Surrogate: d9-N-EtFOSE	*463*		*"*	*500*		*92.6*	*25-150*				
Surrogate: d7-N-MeFOSE	*518*		*"*	*500*		*104*	*25-150*				
LCS (BE30255-BS1)								Prepared: 05/03/2023 Analyzed: 05/05/2023			
Perfluorobutanesulfonic acid (PFBS)	67.3	3.54	ng/L	70.8		95.1	50-150				
Perfluorohexanoic acid (PFHxA)	90.6	4.00	"	80.0		113	50-150				
Perfluoroheptanoic acid (PFHpA)	75.5	4.00	"	80.0		94.4	50-150				
Perfluorohexanesulfonic acid (PFHxS)	72.1	3.66	"	73.2		98.5	50-150				
Perfluorooctanoic acid (PFOA)	91.8	4.00	"	80.0		115	50-150				
Perfluorooctanesulfonic acid (PFOS)	79.2	3.72	"	74.4		106	50-150				
Perfluorononanoic acid (PFNA)	56.5	4.00	"	80.0		70.7	50-150				
Perfluorodecanoic acid (PFDA)	110	4.00	"	80.0		137	50-150				
Perfluoroundecanoic acid (PFUnA)	101	4.00	"	80.0		126	50-150				
Perfluorododecanoic acid (PFDoA)	79.1	4.00	"	80.0		98.8	50-150				
Perfluorotridecanoic acid (PFTrDA)	74.1	4.00	"	80.0		92.6	50-150				
Perfluorotetradecanoic acid (PFTA)	70.6	4.00	"	80.0		88.2	50-150				
N-MeFOSAA	128	4.00	"	80.0		160	50-150	High Bias			
N-EtFOSAA	88.1	4.00	"	80.0		110	50-150				
Perfluoropentanoic acid (PFPeA)	160	8.00	"	160		100	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	76.8	4.00	"	80.0		96.0	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	78.3	3.82	"	76.4		103	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	77.9	3.86	"	77.2		101	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	359	15.2	"	304		118	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	292	15.4	"	307		95.1	50-150				
Perfluoro-n-butanoic acid (PFBA)	305	16.0	"	320		95.3	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	168	7.12	"	142		118	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	205	8.00	"	160		128	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	74.1	8.00	"	160		46.3	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	175	8.00	"	160		110	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	73.6	3.76	"	75.2		97.9	50-150				

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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30255 - EPA 1633 Prep											
LCS (BE30255-BS1)								Prepared: 05/03/2023 Analyzed: 05/05/2023			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	270	15.0	ng/L	300		90.1	50-150				
HFPO-DA (Gen-X)	128	16.0	"	160		79.9	50-150				
11CL-PF3OUdS	105	15.1	"	151		69.6	50-150				
9CL-PF3ONS	157	15.0	"	150		105	50-150				
ADONA	126	15.1	"	151		83.3	50-150				
Perfluorododecanesulfonic acid (PFDoS)	90.7	3.88	"	77.6		117	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	86.4	3.84	"	76.8		112	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	1530	10.0	"	320		477	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	1920	50.0	"	1600		120	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	348	50.0	"	1600		21.8	50-150	Low Bias			
N-MeFOSE	686	40.0	"	800		85.7	50-150				
N-MeFOSA	65.5	4.00	"	80.0		81.8	50-150				
N-EtFOSE	622	40.0	"	800		77.7	50-150				
N-EtFOSA	51.4	4.00	"	80.0		64.3	50-150				
Surrogate: M3PFBS	*81.8*		"	*46.6*		*176*	*25-150*				
Surrogate: M5PFHxA	*60.6*		"	*50.0*		*121*	*25-150*				
Surrogate: M4PFHpA	*61.9*		"	*50.0*		*124*	*25-150*				
Surrogate: M3PFHxS	*76.3*		"	*47.4*		*161*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*50.6*		"	*50.0*		*101*	*25-150*				
Surrogate: M6PFDA	*21.1*		"	*25.0*		*84.5*	*25-150*				
Surrogate: M7PFUdA	*27.5*		"	*25.0*		*110*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*24.4*		"	*25.0*		*97.5*	*25-150*				
Surrogate: M2PFTeDA	*25.7*		"	*25.0*		*103*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*27.1*		"	*200*		*13.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*61.2*		"	*47.9*		*128*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*122*		"	*100*		*122*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*48.9*		"	*50.0*		*97.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*78.4*		"	*100*		*78.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*94.0*		"	*100*		*94.0*	*25-150*				
Surrogate: M2-6:2 FTS	*162*		"	*95.1*		*171*	*25-200*				
Surrogate: M2-8:2 FTS	*126*		"	*96.0*		*132*	*25-200*				
Surrogate: M9PFNA	*40.3*		"	*25.0*		*161*	*25-150*				
Surrogate: M2-4:2 FTS	*163*		"	*93.8*		*174*	*25-150*				
Surrogate: d-N-MeFOSA	*42.6*		"	*50.0*		*85.1*	*25-150*				
Surrogate: d-N-EtFOSA	*58.9*		"	*50.0*		*118*	*25-150*				
Surrogate: M3HFPO-DA	*284*		"	*200*		*142*	*25-150*				
Surrogate: d9-N-EtFOSE	*450*		"	*500*		*90.0*	*25-150*				
Surrogate: d7-N-MeFOSE	*475*		"	*500*		*95.0*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30255 - EPA 1633 Prep											
LCS (BE30255-BS2)								Prepared: 05/03/2023 Analyzed: 05/05/2023			
Perfluorobutanesulfonic acid (PFBS)	14.8	3.54	ng/L	14.2		105	50-150				
Perfluorohexanoic acid (PFHxA)	17.3	4.00	"	16.0		108	50-150				
Perfluoroheptanoic acid (PFHpA)	13.7	4.00	"	16.0		85.5	50-150				
Perfluorohexanesulfonic acid (PFHxS)	17.1	3.66	"	14.6		117	50-150				
Perfluorooctanoic acid (PFOA)	17.2	4.00	"	16.0		107	50-150				
Perfluorooctanesulfonic acid (PFOS)	20.6	3.72	"	14.9		138	50-150				
Perfluorononanoic acid (PFNA)	10.8	4.00	"	16.0		67.7	50-150				
Perfluorodecanoic acid (PFDA)	16.8	4.00	"	16.0		105	50-150				
Perfluoroundecanoic acid (PFUnA)	19.1	4.00	"	16.0		120	50-150				
Perfluorododecanoic acid (PFDoA)	18.8	4.00	"	16.0		118	50-150				
Perfluorotridecanoic acid (PFTrDA)	17.6	4.00	"	16.0		110	50-150				
Perfluorotetradecanoic acid (PFTA)	14.1	4.00	"	16.0		88.3	50-150				
N-MeFOSAA	14.9	4.00	"	16.0		93.1	50-150				
N-EtFOSAA	19.7	4.00	"	16.0		123	50-150				
Perfluoropentanoic acid (PFPeA)	28.9	8.00	"	32.0		90.2	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	14.2	4.00	"	16.0		88.6	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	17.1	3.82	"	15.3		112	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	18.5	3.86	"	15.4		120	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	71.2	15.2	"	60.8		117	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	82.6	15.4	"	61.4		134	50-150				
Perfluoro-n-butanoic acid (PFBA)	65.4	16.0	"	64.0		102	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	33.4	7.12	"	28.5		117	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	39.2	8.00	"	32.0		122	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	28.6	8.00	"	32.0		89.3	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	33.7	8.00	"	32.0		105	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	14.0	3.76	"	15.0		93.0	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	68.5	15.0	"	60.0		114	50-150				
HFPO-DA (Gen-X)	49.1	16.0	"	32.0		154	50-150	High Bias			
11CL-PF3OUdS	29.0	15.1	"	30.2		95.8	50-150				
9CL-PF3ONS	30.0	15.0	"	29.9		100	50-150				
ADONA	26.0	15.1	"	30.2		86.1	50-150				
Perfluorododecanesulfonic acid (PFDoS)	12.3	3.88	"	15.5		79.1	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	15.0	3.84	"	15.4		97.7	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	312	10.0	"	64.0		487	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	410	50.0	"	320		128	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	77.8	50.0	"	320		24.3	50-150	Low Bias			
N-MeFOSE	127	40.0	"	160		79.6	50-150				
N-MeFOSA	16.9	4.00	"	16.0		105	50-150				
N-EtFOSE	125	40.0	"	160		77.9	50-150				
N-EtFOSA	9.90	4.00	"	16.0		61.9	50-150				
Surrogate: M3PFBS	*57.4*		"	*46.6*		*123*	*25-150*				
Surrogate: M5PFHxA	*58.4*		"	*50.0*		*117*	*25-150*				
Surrogate: M4PFHpA	*63.8*		"	*50.0*		*128*	*25-150*				
Surrogate: M3PFHxS	*55.9*		"	*47.4*		*118*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*54.6*		"	*50.0*		*109*	*25-150*				
Surrogate: M6PFDA	*27.0*		"	*25.0*		*108*	*25-150*				
Surrogate: M7PFUdA	*28.2*		"	*25.0*		*113*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30255 - EPA 1633 Prep											
LCS (BE30255-BS2)									Prepared: 05/03/2023 Analyzed: 05/05/2023		
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*24.5*		*ng/L*	*25.0*		*98.0*	*25-150*				
Surrogate: M2PFTeDA	*19.8*		*"*	*25.0*		*79.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*154*		*"*	*200*		*77.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*45.1*		*"*	*47.9*		*94.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*118*		*"*	*100*		*118*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*48.4*		*"*	*50.0*		*96.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*82.0*		*"*	*100*		*82.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*85.6*		*"*	*100*		*85.7*	*25-150*				
Surrogate: M2-6:2 FTS	*95.9*		*"*	*95.1*		*101*	*25-200*				
Surrogate: M2-8:2 FTS	*94.9*		*"*	*96.0*		*98.8*	*25-200*				
Surrogate: M9PFNA	*34.1*		*"*	*25.0*		*137*	*25-150*				
Surrogate: M2-4:2 FTS	*106*		*"*	*93.8*		*113*	*25-150*				
Surrogate: d-N-MeFOSA	*33.9*		*"*	*50.0*		*67.8*	*25-150*				
Surrogate: d-N-EtFOSA	*59.8*		*"*	*50.0*		*120*	*25-150*				
Surrogate: M3HFPO-DA	*251*		*"*	*200*		*125*	*25-150*				
Surrogate: d9-N-EtFOSE	*263*		*"*	*500*		*52.6*	*25-150*				
Surrogate: d7-N-MeFOSE	*319*		*"*	*500*		*63.8*	*25-150*				
Duplicate (BE30255-DUP1)	*Source sample: 23E0034-02 (Duplicate)								Prepared: 05/03/2023 Analyzed: 05/08/2023		
Perfluorobutanesulfonic acid (PFBS)	380	3.28	ng/L		351				8.07	30	
Perfluorohexanoic acid (PFHxA)	262	3.71	"		305				15.2	30	
Perfluoroheptanoic acid (PFHpA)	86.8	3.71	"		89.2				2.73	30	
Perfluorohexanesulfonic acid (PFHxS)	2.87	3.40	"		3.54				20.9	30	
Perfluorooctanoic acid (PFOA)	52.2	3.71	"		49.8				4.64	30	
Perfluorooctanesulfonic acid (PFOS)	87.6	3.45	"		125				35.0	30	Non-dir.
Perfluorononanoic acid (PFNA)	6.19	3.71	"		7.44				18.3	30	
Perfluorodecanoic acid (PFDA)	1.82	3.71	"		1.51				18.7	30	
Perfluoroundecanoic acid (PFUnA)	ND	3.71	"		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	3.71	"		ND					30	
Perfluorotridecanoic acid (PFTrDA)	ND	3.71	"		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	3.71	"		ND					30	
N-MeFOSAA	ND	3.71	"		ND					30	
N-EtFOSAA	ND	3.71	"		ND					30	
Perfluoropentanoic acid (PFPeA)	192	7.42	"		179				6.74	30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	3.71	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.54	"		ND					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.58	"		ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	14.1	"		ND					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	14.3	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	44.1	14.8	"		61.4				32.7	30	Non-dir.
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	6.61	"		ND					30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	7.42	"		ND					30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	7.42	"		ND					30	
Perfluoro-5-oxahexanoic acid (PFMBA)	0.709	7.42	"		1.49				71.1	30	Non-dir.
Perfluoro-1-pentanesulfonate (PFPeS)	2.16	3.49	"		1.83				16.8	30	

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 BE30255 - EPA 1633 Prep											
Duplicate (BE30255-DUP1)	*Source sample: 23E0034-02 (Duplicate)								Prepared: 05/03/2023 Analyzed: 05/08/2023		
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	13.9	ng/L		ND					30	
HFPO-DA (Gen-X)	8.31	14.8	"		ND					30	
11CL-PF3OUdS	ND	14.0	"		ND					30	
9CL-PF3ONS	ND	13.9	"		ND					30	
ADONA	ND	14.0	"		1.16					30	
Perfluorododecanesulfonic acid (PFDoS)	ND	3.60	"		ND					30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.56	"		ND					30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	9.28	"		ND					30	
3-Perfluoropentyl propanoic acid (FPePA)	34.8	46.4	"		ND					30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	46.4	"		ND					30	
N-MeFOSE	ND	37.1	"		ND					30	
N-MeFOSA	ND	3.71	"		ND					30	
N-EtFOSE	ND	37.1	"		ND					30	
N-EtFOSA	ND	3.71	"		ND					30	
Surrogate: M3PFBS	*44.9*		"	*43.2*		*104*	*25-150*				
Surrogate: M5PFHxA	*58.9*		"	*46.4*		*127*	*25-150*				
Surrogate: M4PFHpA	*41.3*		"	*46.4*		*89.0*	*25-150*				
Surrogate: M3PFHxS	*49.3*		"	*44.0*		*112*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*58.7*		"	*46.4*		*127*	*25-150*				
Surrogate: M6PFDA	*26.5*		"	*23.2*		*114*	*25-150*				
Surrogate: M7PFUdA	*23.4*		"	*23.2*		*101*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*21.3*		"	*23.2*		*91.6*	*25-150*				
Surrogate: M2PFTeDA	*22.9*		"	*23.2*		*98.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*18.0*		"	*186*		*9.69*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*101*		"	*44.4*		*227*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*106*		"	*92.8*		*114*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*72.2*		"	*46.4*		*156*	*10-150*				
Surrogate: d3-N-MeFOSAA	*142*		"	*92.8*		*153*	*25-150*				
Surrogate: d5-N-EtFOSAA	*176*		"	*92.8*		*190*	*25-150*				
Surrogate: M2-6:2 FTS	*398*		"	*88.2*		*451*	*25-200*				
Surrogate: M2-8:2 FTS	*190*		"	*89.1*		*213*	*25-200*				
Surrogate: M9PFNA	*23.7*		"	*23.2*		*102*	*25-150*				
Surrogate: M2-4:2 FTS	*420*		"	*87.0*		*482*	*25-150*				
Surrogate: d-N-MeFOSA	*43.7*		"	*46.4*		*94.3*	*25-150*				
Surrogate: d-N-EtFOSA	*82.5*		"	*46.4*		*178*	*25-150*				
Surrogate: M3HFPO-DA	*266*		"	*186*		*143*	*25-150*				
Surrogate: d9-N-EtFOSE	*484*		"	*464*		*104*	*25-150*				
Surrogate: d7-N-MeFOSE	*514*		"	*464*		*111*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30309 - EPA 1633 Prep											
Blank (BE30309-BLK1)											
Perfluorobutanesulfonic acid (PFBS)	ND	0.176	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.199	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.199	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.182	"								
Perfluorooctanoic acid (PFOA)	ND	0.199	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.185	"								
Perfluorononanoic acid (PFNA)	ND	0.199	"								
Perfluorodecanoic acid (PFDA)	ND	0.199	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.199	"								
Perfluorododecanoic acid (PFDoA)	ND	0.199	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.199	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.199	"								
N-MeFOSAA	ND	0.199	"								
N-EtFOSAA	ND	0.199	"								
Perfluoropentanoic acid (PFPeA)	ND	0.398	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.199	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.199	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.192	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	0.757	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	0.765	"								
Perfluoro-n-butanoic acid (PFBA)	0.149	0.797	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.355	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.398	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.398	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.398	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.187	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	0.747	"								
HFPO-DA (Gen-X)	ND	0.797	"								
11CL-PF3OUdS	ND	0.753	"								
9CL-PF3ONS	ND	0.745	"								
ADONA	ND	0.753	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	0.193	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.191	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	0.996	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	4.98	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	4.98	"								
N-MeFOSE	ND	1.99	"								
N-MeFOSA	ND	0.199	"								
N-EtFOSE	ND	1.99	"								
N-EtFOSA	ND	0.199	"								
Surrogate: M3PFBS	*2.91*		"	*2.32*		*126*	*25-150*				
Surrogate: M5PFHxA	*2.18*		"	*2.49*		*87.6*	*25-150*				
Surrogate: M4PFHpA	*1.94*		"	*2.49*		*77.9*	*25-150*				
Surrogate: M3PFHxS	*1.88*		"	*2.36*		*79.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*1.51*		"	*2.49*		*60.7*	*25-150*				
Surrogate: M6PFDA	*0.451*		"	*1.25*		*36.2*	*25-150*				
Surrogate: M7PFUdA	*0.544*		"	*1.25*		*43.7*	*25-150*				

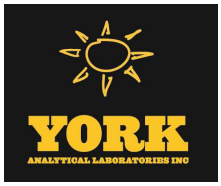
Prepared: 05/04/2023 Analyzed: 05/08/2023

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30309 - EPA 1633 Prep											
Blank (BE30309-BLK1)								Prepared: 05/04/2023 Analyzed: 05/08/2023			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*0.602*		*ug/kg wet*	*1.25*		*48.4*	*25-150*				
Surrogate: M2PFTeDA	*0.530*		*"*	*1.25*		*42.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*0.778*		*"*	*9.96*		*7.81*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*0.878*		*"*	*2.39*		*36.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.99*		*"*	*4.98*		*100*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*0.979*		*"*	*2.49*		*39.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*1.82*		*"*	*4.98*		*36.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*1.98*		*"*	*4.98*		*39.7*	*25-150*				
Surrogate: M2-6:2 FTS	*3.88*		*"*	*4.74*		*82.0*	*25-200*				
Surrogate: M2-8:2 FTS	*2.54*		*"*	*4.78*		*53.1*	*25-200*				
Surrogate: M9PFNA	*0.636*		*"*	*1.25*		*51.1*	*25-150*				
Surrogate: M2-4:2 FTS	*5.06*		*"*	*4.67*		*108*	*25-150*				
Surrogate: d-N-MeFOSA	*1.35*		*"*	*2.49*		*54.2*	*25-150*				
Surrogate: d-N-EtFOSA	*3.02*		*"*	*2.49*		*121*	*25-150*				
Surrogate: M3HFPO-DA	*11.0*		*"*	*9.96*		*110*	*25-150*				
Surrogate: d9-N-EtFOSE	*8.89*		*"*	*24.9*		*35.7*	*25-150*				
Surrogate: d7-N-MeFOSE	*9.73*		*"*	*24.9*		*39.1*	*25-150*				
LCS (BE30309-BS1)								Prepared: 05/04/2023 Analyzed: 05/08/2023			
Perfluorobutanesulfonic acid (PFBS)	5.23	0.177	ug/kg wet	3.53		148	50-150				
Perfluorohexanoic acid (PFHxA)	6.13	0.200	"	3.99		153	50-150	High Bias			
Perfluoroheptanoic acid (PFHpA)	6.30	0.200	"	3.99		158	50-150	High Bias			
Perfluorohexanesulfonic acid (PFHxS)	5.26	0.183	"	3.65		144	50-150				
Perfluorooctanoic acid (PFOA)	7.46	0.200	"	3.99		187	50-150	High Bias			
Perfluorooctanesulfonic acid (PFOS)	6.21	0.186	"	3.71		167	50-150	High Bias			
Perfluorononanoic acid (PFNA)	4.01	0.200	"	3.99		100	50-150				
Perfluorodecanoic acid (PFDA)	6.38	0.200	"	3.99		160	50-150	High Bias			
Perfluoroundecanoic acid (PFUnA)	7.52	0.200	"	3.99		188	50-150	High Bias			
Perfluorododecanoic acid (PFDoA)	4.90	0.200	"	3.99		123	50-150				
Perfluorotridecanoic acid (PFTrDA)	6.31	0.200	"	3.99		158	50-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	4.61	0.200	"	3.99		115	50-150				
N-MeFOSAA	6.54	0.200	"	3.99		164	50-150	High Bias			
N-EtFOSAA	5.04	0.200	"	3.99		126	50-150				
Perfluoropentanoic acid (PFPeA)	12.6	0.399	"	7.98		158	50-150	High Bias			
Perfluoro-1-octanesulfonamide (FOSA)	4.51	0.200	"	3.99		113	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.71	0.200	"	3.81		176	50-150	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	3.03	0.193	"	3.85		78.7	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	24.8	0.758	"	15.2		164	50-150	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	40.5	0.766	"	15.3		264	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	20.4	0.798	"	16.0		128	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	12.3	0.355	"	7.11		174	50-150	High Bias			
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	15.3	0.399	"	7.98		192	50-150	High Bias			
Perfluoro-4-oxapentanoic acid (PFMPA)	1.06	0.399	"	7.98		13.3	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	15.4	0.399	"	7.98		193	50-150	High Bias			
Perfluoro-1-pentanesulfonate (PFPeS)	5.39	0.188	"	3.75		144	50-150				

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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30309 - EPA 1633 Prep											
LCS (BE30309-BS1)								Prepared: 05/04/2023 Analyzed: 05/08/2023			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	21.3	0.749	ug/kg wet	15.0		142	50-150				
HFPO-DA (Gen-X)	11.2	0.798	"	7.98		140	50-150				
11CL-PF3OUdS	2.36	0.754	"	7.54		31.3	50-150	Low Bias			
9CL-PF3ONS	5.46	0.747	"	7.47		73.2	50-150				
ADONA	9.48	0.754	"	7.54		126	50-150				
Perfluorododecanesulfonic acid (PFDoS)	2.95	0.194	"	3.87		76.1	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	4.25	0.192	"	3.83		111	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	76.7	0.998	"	16.0		481	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	134	4.99	"	79.8		168	50-150	High Bias			
3-Perfluoroheptyl propanoic acid (FHpPA)	19.8	4.99	"	79.8		24.8	50-150	Low Bias			
N-MeFOSE	50.6	2.00	"	39.9		127	50-150				
N-MeFOSA	3.53	0.200	"	3.99		88.3	50-150				
N-EtFOSE	52.7	2.00	"	39.9		132	50-150				
N-EtFOSA	1.07	0.200	"	3.99		26.8	50-150	Low Bias			
Surrogate: M3PFBS	*1.87*		"	*2.33*		*80.5*	*25-150*				
Surrogate: M5PFHxA	*1.75*		"	*2.50*		*70.0*	*25-150*				
Surrogate: M4PFHpA	*1.50*		"	*2.50*		*60.1*	*25-150*				
Surrogate: M3PFHxS	*1.61*		"	*2.37*		*68.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*1.24*		"	*2.50*		*49.7*	*25-150*				
Surrogate: M6PFDA	*0.392*		"	*1.25*		*31.4*	*25-150*				
Surrogate: M7PFUdA	*0.294*		"	*1.25*		*23.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*0.291*		"	*1.25*		*23.3*	*25-150*				
Surrogate: M2PFTeDA	*0.178*		"	*1.25*		*14.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*0.284*		"	*9.98*		*2.85*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*1.08*		"	*2.39*		*45.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*2.90*		"	*4.99*		*58.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*0.971*		"	*2.50*		*38.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*1.01*		"	*4.99*		*20.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*1.16*		"	*4.99*		*23.2*	*25-150*				
Surrogate: M2-6:2 FTS	*3.23*		"	*4.75*		*68.0*	*25-200*				
Surrogate: M2-8:2 FTS	*1.60*		"	*4.79*		*33.5*	*25-200*				
Surrogate: M9PFNA	*0.859*		"	*1.25*		*68.8*	*25-150*				
Surrogate: M2-4:2 FTS	*3.85*		"	*4.68*		*82.4*	*25-150*				
Surrogate: d-N-MeFOSA	*0.594*		"	*2.50*		*23.8*	*25-150*				
Surrogate: d-N-EtFOSA	*2.09*		"	*2.50*		*83.9*	*25-150*				
Surrogate: M3HFPO-DA	*7.65*		"	*9.98*		*76.6*	*25-150*				
Surrogate: d9-N-EtFOSE	*0.854*		"	*25.0*		*3.42*	*25-150*				
Surrogate: d7-N-MeFOSE	*1.34*		"	*25.0*		*5.37*	*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 BE30309 - EPA 1633 Prep											
LCS (BE30309-BS2)								Prepared: 05/04/2023 Analyzed: 05/08/2023			
Perfluorobutanesulfonic acid (PFBS)	0.640	0.177	ug/kg wet	0.707		90.5	50-150				
Perfluorohexanoic acid (PFHxA)	0.884	0.200	"	0.798		111	50-150				
Perfluoroheptanoic acid (PFHpA)	0.763	0.200	"	0.798		95.6	50-150				
Perfluorohexanesulfonic acid (PFHxS)	0.711	0.183	"	0.731		97.3	50-150				
Perfluorooctanoic acid (PFOA)	0.868	0.200	"	0.798		109	50-150				
Perfluorooctanesulfonic acid (PFOS)	0.848	0.186	"	0.743		114	50-150				
Perfluorononanoic acid (PFNA)	0.485	0.200	"	0.798		60.7	50-150				
Perfluorodecanoic acid (PFDA)	0.954	0.200	"	0.798		119	50-150				
Perfluoroundecanoic acid (PFUnA)	0.655	0.200	"	0.798		82.0	50-150				
Perfluorododecanoic acid (PFDoA)	0.738	0.200	"	0.798		92.4	50-150				
Perfluorotridecanoic acid (PFTrDA)	0.970	0.200	"	0.798		121	50-150				
Perfluorotetradecanoic acid (PFTA)	0.674	0.200	"	0.798		84.4	50-150				
N-MeFOSAA	0.797	0.200	"	0.798		99.8	50-150				
N-EtFOSAA	1.12	0.200	"	0.798		141	50-150				
Perfluoropentanoic acid (PFPeA)	1.45	0.399	"	1.60		91.1	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	0.633	0.200	"	0.798		79.3	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.891	0.200	"	0.762		117	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	0.609	0.193	"	0.770		79.0	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	2.81	0.758	"	3.03		92.5	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	2.89	0.766	"	3.07		94.3	50-150				
Perfluoro-n-butanoic acid (PFBA)	2.79	0.798	"	3.19		87.4	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.40	0.355	"	1.42		98.8	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1.69	0.399	"	1.60		106	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	0.141	0.399	"	1.60		8.82	50-150	Low Bias			
Perfluoro-5-oxahexanoic acid (PFMBA)	1.98	0.399	"	1.60		124	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	0.868	0.188	"	0.750		116	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	2.88	0.749	"	2.99		96.3	50-150				
HFPO-DA (Gen-X)	1.98	0.798	"	1.60		124	50-150				
11CL-PF3OUdS	0.436	0.754	"	1.51		28.9	50-150	Low Bias			
9CL-PF3ONS	0.626	0.747	"	1.49		41.9	50-150	Low Bias			
ADONA	1.15	0.754	"	1.51		76.1	50-150				
Perfluorododecanesulfonic acid (PFDoS)	ND	0.194	"	0.774			50-150	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	0.963	0.192	"	0.766		126	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	9.43	0.998	"	3.19		295	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	16.7	4.99	"	16.0		104	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	2.14	4.99	"	16.0		13.4	50-150	Low Bias			
N-MeFOSE	6.19	2.00	"	7.98		77.5	50-150				
N-MeFOSA	1.10	0.200	"	0.798		138	50-150				
N-EtFOSE	6.45	2.00	"	7.98		80.8	50-150				
N-EtFOSA	ND	0.200	"	0.798			50-150	Low Bias			
Surrogate: M3PFBS	*1.86*		"	*2.33*		*79.8*	*25-150*				
Surrogate: M5PFHxA	*2.01*		"	*2.50*		*80.5*	*25-150*				
Surrogate: M4PFHpA	*1.84*		"	*2.50*		*73.8*	*25-150*				
Surrogate: M3PFHxS	*1.55*		"	*2.37*		*65.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*1.56*		"	*2.50*		*62.4*	*25-150*				
Surrogate: M6PFDA	*0.439*		"	*1.25*		*35.2*	*25-150*				
Surrogate: M7PFUdA	*0.587*		"	*1.25*		*47.1*	*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 BE30309 - EPA 1633 Prep											
LCS (BE30309-BS2)											
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*0.429*		*ug/kg wet*	*1.25*		*34.4*	*25-150*				
Surrogate: M2PFTeDA	*0.363*		*"*	*1.25*		*29.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*0.318*		*"*	*9.98*		*3.18*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*1.32*		*"*	*2.39*		*55.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.12*		*"*	*4.99*		*62.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*1.06*		*"*	*2.50*		*42.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.05*		*"*	*4.99*		*41.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*1.76*		*"*	*4.99*		*35.2*	*25-150*				
Surrogate: M2-6:2 FTS	*2.20*		*"*	*4.75*		*46.3*	*25-200*				
Surrogate: M2-8:2 FTS	*2.16*		*"*	*4.79*		*45.1*	*25-200*				
Surrogate: M9PFNA	*0.826*		*"*	*1.25*		*66.2*	*25-150*				
Surrogate: M2-4:2 FTS	*3.55*		*"*	*4.68*		*75.8*	*25-150*				
Surrogate: d-N-MeFOSA	*0.791*		*"*	*2.50*		*31.7*	*25-150*				
Surrogate: d-N-EtFOSA	*3.14*		*"*	*2.50*		*126*	*25-150*				
Surrogate: M3HFPO-DA	*8.77*		*"*	*9.98*		*87.9*	*25-150*				
Surrogate: d9-N-EtFOSE	*6.33*		*"*	*25.0*		*25.4*	*25-150*				
Surrogate: d7-N-MeFOSE	*7.76*		*"*	*25.0*		*31.1*	*25-150*				

Prepared: 05/04/2023 Analyzed: 05/08/2023

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30423 - EPA SW846-3510C Low Level											
Blank (BE30423-BLK1)									Prepared: 05/05/2023 Analyzed: 05/09/2023		
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Surrogate: Decachlorobiphenyl	*0.175*		*"*	*0.200*		*87.4*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.105*		*"*	*0.200*		*52.7*	*30-150*				
LCS (BE30423-BS1)									Prepared: 05/05/2023 Analyzed: 05/09/2023		
4,4'-DDD	0.0605	0.00400	ug/L	0.100		60.5	40-140				
4,4'-DDE	0.0559	0.00400	"	0.100		55.9	40-140				
4,4'-DDT	0.0691	0.00400	"	0.100		69.1	40-140				
Aldrin	0.0455	0.00400	"	0.100		45.5	40-140				
alpha-BHC	0.0495	0.00400	"	0.100		49.5	40-140				
alpha-Chlordane	0.0526	0.00400	"	0.100		52.6	40-140				
beta-BHC	0.0606	0.00400	"	0.100		60.6	40-140				
delta-BHC	0.0500	0.00400	"	0.100		50.0	40-140				
Dieldrin	0.0594	0.00200	"	0.100		59.4	40-140				
Endosulfan I	0.0580	0.00400	"	0.100		58.0	40-140				
Endosulfan II	0.0619	0.00400	"	0.100		61.9	40-140				
Endosulfan sulfate	0.0577	0.00400	"	0.100		57.7	40-140				
Endrin	0.0644	0.00400	"	0.100		64.4	40-140				
Endrin aldehyde	0.0667	0.0100	"	0.100		66.7	40-140				
Endrin ketone	0.0661	0.0100	"	0.100		66.1	40-140				
gamma-BHC (Lindane)	0.0538	0.00400	"	0.100		53.8	40-140				
gamma-Chlordane	0.0545	0.0100	"	0.100		54.5	40-140				
Heptachlor	0.0676	0.00400	"	0.100		67.6	40-140				
Heptachlor epoxide	0.0593	0.00400	"	0.100		59.3	40-140				
Methoxychlor	0.0770	0.00400	"	0.100		77.0	40-140				
Surrogate: Decachlorobiphenyl	*0.0696*		*"*	*0.200*		*34.8*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0854*		*"*	*0.200*		*42.7*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30423 - EPA SW846-3510C Low Level											
LCS Dup (BE30423-BSD1)									Prepared: 05/05/2023 Analyzed: 05/09/2023		
4,4'-DDD	0.0709	0.00400	ug/L	0.100		70.9	40-140		15.9	20	
4,4'-DDE	0.0650	0.00400	"	0.100		65.0	40-140		15.0	20	
4,4'-DDT	0.0833	0.00400	"	0.100		83.3	40-140		18.5	20	
Aldrin	0.0513	0.00400	"	0.100		51.3	40-140		12.1	20	
alpha-BHC	0.0562	0.00400	"	0.100		56.2	40-140		12.6	20	
alpha-Chlordane	0.0594	0.00400	"	0.100		59.4	40-140		12.0	20	
beta-BHC	0.0697	0.00400	"	0.100		69.7	40-140		13.9	20	
delta-BHC	0.0585	0.00400	"	0.100		58.5	40-140		15.7	20	
Dieldrin	0.0683	0.00200	"	0.100		68.3	40-140		13.9	20	
Endosulfan I	0.0664	0.00400	"	0.100		66.4	40-140		13.6	20	
Endosulfan II	0.0713	0.00400	"	0.100		71.3	40-140		14.1	20	
Endosulfan sulfate	0.0674	0.00400	"	0.100		67.4	40-140		15.6	20	
Endrin	0.0765	0.00400	"	0.100		76.5	40-140		17.2	20	
Endrin aldehyde	0.0779	0.0100	"	0.100		77.9	40-140		15.5	20	
Endrin ketone	0.0746	0.0100	"	0.100		74.6	40-140		12.1	20	
gamma-BHC (Lindane)	0.0626	0.00400	"	0.100		62.6	40-140		15.1	20	
gamma-Chlordane	0.0615	0.0100	"	0.100		61.5	40-140		12.0	20	
Heptachlor	0.0770	0.00400	"	0.100		77.0	40-140		13.0	20	
Heptachlor epoxide	0.0680	0.00400	"	0.100		68.0	40-140		13.8	20	
Methoxychlor	0.0941	0.00400	"	0.100		94.1	40-140		20.0	20	
Surrogate: Decachlorobiphenyl	*0.0966*		*"*	*0.200*		*48.3*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0958*		*"*	*0.200*		*47.9*	*30-150*				
Batch BE30436 - EPA 3550C											
Blank (BE30436-BLK1)									Prepared: 05/07/2023 Analyzed: 05/09/2023		
4,4'-DDD	ND	0.00165	mg/kg wet								
4,4'-DDE	ND	0.00165	"								
4,4'-DDT	ND	0.00165	"								
Aldrin	ND	0.00165	"								
alpha-BHC	ND	0.00165	"								
alpha-Chlordane	ND	0.00165	"								
beta-BHC	ND	0.00165	"								
delta-BHC	ND	0.00165	"								
Dieldrin	ND	0.00165	"								
Endosulfan I	ND	0.00165	"								
Endosulfan II	ND	0.00165	"								
Endosulfan sulfate	ND	0.00165	"								
Endrin	ND	0.00165	"								
gamma-BHC (Lindane)	ND	0.00165	"								
Heptachlor	ND	0.00165	"								
Surrogate: Decachlorobiphenyl	*0.0572*		*"*	*0.0667*		*85.8*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0521*		*"*	*0.0667*		*78.2*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30436 - EPA 3550C											
LCS (BE30436-BS1)									Prepared: 05/07/2023 Analyzed: 05/09/2023		
4,4'-DDD	0.0274	0.00165	mg/kg wet	0.0333		82.1	40-140				
4,4'-DDE	0.0272	0.00165	"	0.0333		81.5	40-140				
4,4'-DDT	0.0244	0.00165	"	0.0333		73.3	40-140				
Aldrin	0.0277	0.00165	"	0.0333		83.2	40-140				
alpha-BHC	0.0289	0.00165	"	0.0333		86.6	40-140				
alpha-Chlordane	0.0289	0.00165	"	0.0333		86.8	40-140				
beta-BHC	0.0269	0.00165	"	0.0333		80.8	40-140				
delta-BHC	0.0271	0.00165	"	0.0333		81.3	40-140				
Dieldrin	0.0284	0.00165	"	0.0333		85.2	40-140				
Endosulfan I	0.0291	0.00165	"	0.0333		87.3	40-140				
Endosulfan II	0.0274	0.00165	"	0.0333		82.3	40-140				
Endosulfan sulfate	0.0253	0.00165	"	0.0333		75.8	40-140				
Endrin	0.0270	0.00165	"	0.0333		81.0	40-140				
gamma-BHC (Lindane)	0.0284	0.00165	"	0.0333		85.3	40-140				
Heptachlor	0.0286	0.00165	"	0.0333		85.9	40-140				
Surrogate: Decachlorobiphenyl	*0.0662*		*"*	*0.0667*		*99.3*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0591*		*"*	*0.0667*		*88.7*	*30-150*				
Batch BE30688 - EPA 3550C											
Blank (BE30688-BLK1)									Prepared: 05/10/2023 Analyzed: 05/11/2023		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Surrogate: Decachlorobiphenyl	*0.0475*		*"*	*0.0664*		*71.4*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0429*		*"*	*0.0664*		*64.6*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30688 - EPA 3550C											
LCS (BE30688-BS1)									Prepared: 05/10/2023 Analyzed: 05/11/2023		
4,4'-DDD	0.0291	0.00164	mg/kg wet	0.0332		87.7	40-140				
4,4'-DDE	0.0287	0.00164	"	0.0332		86.4	40-140				
4,4'-DDT	0.0280	0.00164	"	0.0332		84.4	40-140				
Aldrin	0.0264	0.00164	"	0.0332		79.4	40-140				
alpha-BHC	0.0306	0.00164	"	0.0332		92.2	40-140				
alpha-Chlordane	0.0292	0.00164	"	0.0332		87.8	40-140				
beta-BHC	0.0281	0.00164	"	0.0332		84.6	40-140				
delta-BHC	0.0247	0.00164	"	0.0332		74.4	40-140				
Dieldrin	0.0291	0.00164	"	0.0332		87.6	40-140				
Endosulfan I	0.0298	0.00164	"	0.0332		89.6	40-140				
Endosulfan II	0.0283	0.00164	"	0.0332		85.2	40-140				
Endosulfan sulfate	0.0278	0.00164	"	0.0332		83.5	40-140				
Endrin	0.0295	0.00164	"	0.0332		88.7	40-140				
gamma-BHC (Lindane)	0.0273	0.00164	"	0.0332		82.1	40-140				
Heptachlor	0.0289	0.00164	"	0.0332		87.1	40-140				
Surrogate: Decachlorobiphenyl	*0.0536*		*"*	*0.0664*		*80.7*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0457*		*"*	*0.0664*		*68.8*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30423 - EPA SW846-3510C Low Level											
Blank (BE30423-BLK2)									Prepared: 05/05/2023 Analyzed: 05/08/2023		
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Aroclor 1262	ND	0.0500	"								
Aroclor 1268	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.180*		*"*	*0.200*		*90.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.251*		*"*	*0.200*		*126*	*30-150*				
LCS (BE30423-BS2)									Prepared: 05/05/2023 Analyzed: 05/08/2023		
Aroclor 1016	1.44	0.0500	ug/L	1.45		99.1	40-120			20	
Aroclor 1260	1.70	0.0500	"	1.45		117	40-120			20	
Surrogate: Tetrachloro-m-xylene	*0.166*		*"*	*0.200*		*83.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.146*		*"*	*0.200*		*73.0*	*30-150*				
LCS Dup (BE30423-BSD2)									Prepared: 05/05/2023 Analyzed: 05/08/2023		
Aroclor 1016	1.35	0.0500	ug/L	1.45		92.8	40-120		6.55	20	
Aroclor 1260	1.65	0.0500	"	1.45		114	40-120		3.29	20	
Surrogate: Tetrachloro-m-xylene	*0.182*		*"*	*0.200*		*91.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.185*		*"*	*0.200*		*92.5*	*30-150*				
Batch BE30436 - EPA 3550C											
Blank (BE30436-BLK2)									Prepared: 05/07/2023 Analyzed: 05/09/2023		
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	*0.0650*		*"*	*0.0667*		*97.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0767*		*"*	*0.0667*		*115*	*30-120*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30436 - EPA 3550C											
LCS (BE30436-BS2)								Prepared: 05/07/2023 Analyzed: 05/09/2023			
Aroclor 1016	0.362	0.0167	mg/kg wet	0.333		108	40-130				
Aroclor 1260	0.388	0.0167	"	0.333		116	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0583*		*"*	*0.0667*		*87.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0707*		*"*	*0.0667*		*106*	*30-120*				
Batch BE30561 - EPA 3550C											
Matrix Spike (BE30561-MS2)	*Source sample: 23E0099-04 (Matrix Spike)							Prepared: 05/09/2023 Analyzed: 05/11/2023			
Aroclor 1016	0.163	0.0166	mg/kg dry	0.331	ND	49.0	40-140				
Aroclor 1260	0.214	0.0166	"	0.331	ND	64.6	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0348*		*"*	*0.0663*		*52.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0421*		*"*	*0.0663*		*63.5*	*30-120*				
Matrix Spike Dup (BE30561-MSD2)	*Source sample: 23E0099-04 (Matrix Spike Dup)							Prepared: 05/09/2023 Analyzed: 05/11/2023			
Aroclor 1016	0.158	0.0168	mg/kg dry	0.337	ND	47.0	40-140		2.70	50	
Aroclor 1260	0.228	0.0168	"	0.337	ND	67.8	40-140		6.37	50	
Surrogate: Tetrachloro-m-xylene	*0.0478*		*"*	*0.0674*		*71.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0516*		*"*	*0.0674*		*76.5*	*30-120*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30287 - EPA 8151A											
Blank (BE30287-BLK1)											Prepared: 05/04/2023 Analyzed: 05/05/2023
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
2,4-DB	ND	5.00	"								
Dalapon	ND	5.00	"								
Dicamba	ND	5.00	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*104*		*"*	*125*		*83.2*	*30-150*				
LCS (BE30287-BS1)											Prepared: 05/04/2023 Analyzed: 05/05/2023
2,4,5-T	29.8	5.00	ug/L	40.0		74.4	10-140				
2,4,5-TP (Silvex)	30.5	5.00	"	40.0		76.2	10-139				
2,4-D	32.2	5.00	"	40.0		80.6	10-140				
2,4-DB	34.2	5.00	"	40.0		85.6	10-137				
Dalapon	ND	5.00	"				40-140				
Dicamba	31.0	5.00	"	40.0		77.5	10-124				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*91.8*		*"*	*125*		*73.4*	*30-150*				
LCS Dup (BE30287-BSD1)											Prepared: 05/04/2023 Analyzed: 05/05/2023
2,4,5-T	34.2	5.00	ug/L	40.0		85.6	10-140		14.1	30	
2,4,5-TP (Silvex)	34.8	5.00	"	40.0		86.9	10-139		13.0	30	
2,4-D	36.8	5.00	"	40.0		91.9	10-140		13.0	30	
2,4-DB	35.0	5.00	"	40.0		87.5	10-137		2.17	30	
Dalapon	ND	5.00	"				40-140			30	
Dicamba	35.0	5.00	"	40.0		87.5	10-124		12.1	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*101*		*"*	*125*		*80.6*	*30-150*				
Batch BE30473 - EPA 3550C/8151A											
Blank (BE30473-BLK1)											Prepared: 05/08/2023 Analyzed: 05/09/2023
2,4,5-TP (Silvex)	ND	0.0199	mg/kg wet								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.402*		*"*	*0.415*		*96.8*	*21-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30473 - EPA 3550C/8151A											
LCS (BE30473-BS1)								Prepared: 05/08/2023 Analyzed: 05/09/2023			
2,4,5-TP (Silvex)	0.103	0.0199	mg/kg wet	0.133		77.5	10-120				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.331*		"	*0.415*		*79.6*	*21-150*				
Matrix Spike (BE30473-MS1)	*Source sample: 23E0136-01 (Matrix Spike)							Prepared: 05/08/2023 Analyzed: 05/09/2023			
2,4,5-TP (Silvex)	0.103	0.0223	mg/kg dry	0.148	ND	69.4	10-120				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.138*		"	*0.464*		*29.8*	*21-150*				
Matrix Spike Dup (BE30473-MSD1)	*Source sample: 23E0136-01 (Matrix Spike Dup)							Prepared: 05/08/2023 Analyzed: 05/09/2023			
2,4,5-TP (Silvex)	0.0962	0.0222	mg/kg dry	0.148	ND	65.0	10-120		6.84	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.107*		"	*0.462*		*23.2*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30563 - EPA 3015A											
Blank (BE30563-BLK1)											Prepared: 05/09/2023 Analyzed: 05/10/2023
Arsenic	ND	0.017	mg/L								
Barium	ND	0.028	"								
Beryllium	ND	0.0006	"								
Cadmium	ND	0.003	"								
Chromium	ND	0.006	"								
Copper	ND	0.022	"								
Lead	ND	0.006	"								
Manganese	ND	0.006	"								
Nickel	ND	0.011	"								
Selenium	ND	0.028	"								
Silver	ND	0.006	"								
Zinc	ND	0.028	"								
LCS (BE30563-BS1)											Prepared: 05/09/2023 Analyzed: 05/10/2023
Arsenic	1.69		ug/mL	2.00		84.4	80-120				
Barium	1.88		"	2.00		93.8	80-120				
Beryllium	0.046		"	0.0500		91.7	80-120				
Cadmium	0.043		"	0.0500		86.1	80-120				
Chromium	0.178		"	0.200		89.0	80-120				
Copper	0.234		"	0.250		93.6	80-120				
Lead	0.444		"	0.500		88.9	80-120				
Manganese	0.462		"	0.500		92.4	80-120				
Nickel	0.465		"	0.500		92.9	80-120				
Selenium	1.43		"	2.00		71.7	80-120	Low Bias			
Silver	0.042		"	0.0500		84.1	80-120				
Zinc	0.441		"	0.500		88.2	80-120				
Duplicate (BE30563-DUP1)	*Source sample: 23E0098-19 (Duplicate)										Prepared: 05/09/2023 Analyzed: 05/10/2023
Arsenic	ND	0.017	mg/L		ND					20	
Barium	ND	0.028	"		ND					20	
Beryllium	ND	0.0006	"		ND					20	
Cadmium	ND	0.003	"		ND					20	
Chromium	ND	0.006	"		ND					20	
Copper	ND	0.022	"		ND					20	
Lead	ND	0.006	"		ND					20	
Manganese	ND	0.006	"		ND					20	
Nickel	ND	0.011	"		ND					20	
Selenium	ND	0.028	"		ND					20	
Silver	ND	0.006	"		ND					20	
Zinc	ND	0.028	"		ND					20	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30563 - EPA 3015A											
Matrix Spike (BE30563-MS1)	*Source sample: 23E0098-19 (Matrix Spike)							Prepared: 05/09/2023 Analyzed: 05/10/2023			
Arsenic	1.90	0.017	mg/L	2.22	ND	85.5	75-125				
Barium	2.11	0.028	"	2.22	ND	95.0	75-125				
Beryllium	0.052	0.0006	"	0.0556	ND	93.0	75-125				
Cadmium	0.049	0.003	"	0.0556	ND	87.4	75-125				
Chromium	0.200	0.006	"	0.222	ND	89.8	75-125				
Copper	0.263	0.022	"	0.278	ND	94.8	75-125				
Lead	0.502	0.006	"	0.556	ND	90.3	75-125				
Manganese	0.520	0.006	"	0.556	ND	93.6	75-125				
Nickel	0.523	0.011	"	0.556	ND	94.2	75-125				
Selenium	1.63	0.028	"	2.22	ND	73.2	75-125	Low Bias			
Silver	0.048	0.006	"	0.0556	ND	87.1	75-125				
Zinc	0.509	0.028	"	0.556	ND	91.6	75-125				
Post Spike (BE30563-PS1)	*Source sample: 23E0098-19 (Post Spike)							Prepared: 05/09/2023 Analyzed: 05/10/2023			
Arsenic	2.15		ug/mL	2.00	0.002	108	75-125				
Barium	2.36		"	2.00	0.0005	118	75-125				
Beryllium	0.058		"	0.0500	-0.000008	116	75-125				
Cadmium	0.055		"	0.0500	0.00006	110	75-125				
Chromium	0.224		"	0.200	0.002	111	75-125				
Copper	0.297		"	0.250	0.001	118	75-125				
Lead	0.568		"	0.500	-0.0006	114	75-125				
Manganese	0.581		"	0.500	0.0004	116	75-125				
Nickel	0.584		"	0.500	-0.003	117	75-125				
Selenium	1.84		"	2.00	0.005	91.6	75-125				
Silver	0.013		"	0.0500	0.00009	25.1	75-125	Low Bias			
Zinc	0.568		"	0.500	0.014	111	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30571 - EPA 3050B											
Blank (BE30571-BLK1)									Prepared: 05/09/2023 Analyzed: 05/10/2023		
Arsenic	ND	1.25	mg/kg wet								
Barium	ND	2.08	"								
Beryllium	ND	0.042	"								
Cadmium	ND	0.250	"								
Chromium	ND	0.417	"								
Copper	ND	1.67	"								
Lead	ND	0.417	"								
Manganese	ND	0.417	"								
Nickel	ND	0.830	"								
Selenium	ND	2.08	"								
Silver	ND	0.420	"								
Zinc	ND	2.08	"								
Duplicate (BE30571-DUP1)	*Source sample: 23E0136-01 (Duplicate)								Prepared: 05/09/2023 Analyzed: 05/10/2023		
Arsenic	8.65	1.40	mg/kg dry		11.4				27.8	35	
Barium	159	2.32	"		158				0.390	35	
Beryllium	0.196	0.047	"		0.217				10.1	35	
Cadmium	2.37	0.279	"		3.13				27.9	35	
Chromium	16.7	0.466	"		18.5				10.2	35	
Copper	96.0	1.86	"		108				11.7	35	
Lead	263	0.466	"		296				11.7	35	
Manganese	235	0.466	"		248				5.58	35	
Nickel	18.1	0.927	"		20.1				10.1	35	
Selenium	ND	2.33	"		ND					35	
Silver	ND	0.469	"		ND					35	
Zinc	343	2.32	"		388				12.4	35	
Matrix Spike (BE30571-MS1)	*Source sample: 23E0136-01 (Matrix Spike)								Prepared: 05/09/2023 Analyzed: 05/10/2023		
Arsenic	189	1.40	mg/kg dry	186	11.4	95.6	75-125				
Barium	380	2.32	"	186	158	119	75-125				
Beryllium	5.11	0.047	"	4.65	0.217	105	75-125				
Cadmium	7.67	0.279	"	4.65	3.13	97.6	75-125				
Chromium	37.4	0.466	"	18.6	18.5	102	75-125				
Copper	2030	1.86	"	23.3	108	NR	75-125	High Bias			
Lead	416	0.466	"	46.5	296	258	75-125	High Bias			
Manganese	292	0.466	"	46.5	248	92.7	75-125				
Nickel	69.6	0.927	"	46.5	20.1	106	75-125				
Selenium	130	2.33	"	186	ND	70.1	75-125	Low Bias			
Silver	0.793	0.469	"	4.65	ND	17.0	75-125	Low Bias			
Zinc	501	2.32	"	46.5	388	243	75-125	High Bias			

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30571 - EPA 3050B											
Post Spike (BE30571-PS1)	*Source sample: 23E0136-01 (Post Spike)							Prepared: 05/09/2023 Analyzed: 05/10/2023			
Arsenic	2.40		ug/mL	2.00	0.123	114	75-125				
Barium	4.04		"	2.00	1.70	117	75-125				
Beryllium	0.062		"	0.0500	0.002	119	75-125				
Cadmium	0.088		"	0.0500	0.034	108	75-125				
Chromium	0.417		"	0.200	0.198	109	75-125				
Copper	1.48		"	0.250	1.16	129	75-125	High Bias			
Lead	3.81		"	0.500	3.18	126	75-125	High Bias			
Manganese	3.25		"	0.500	2.67	116	75-125				
Nickel	0.817		"	0.500	0.216	120	75-125				
Selenium	1.66		"	2.00	-0.297	83.0	75-125				
Silver	-0.016		"	0.0500	-0.039		75-125	Low Bias			
Zinc	4.68		"	0.500	4.17	102	75-125				
Reference (BE30571-SRM1)								Prepared: 05/09/2023 Analyzed: 05/10/2023			
Arsenic	194	1.25	mg/kg wet	183		106	69.9-130.1				
Barium	307	2.08	"	297		103	75.1-125.3				
Beryllium	79.0	0.042	"	78.8		100	75-124.9				
Cadmium	205	0.250	"	221		92.8	75.1-124.9				
Chromium	197	0.417	"	200		98.5	70-130				
Copper	148	1.67	"	136		109	75-125				
Lead	261	0.417	"	257		101	73.9-126.1				
Manganese	388	0.417	"	381		102	75.9-124.1				
Nickel	181	0.830	"	169		107	69.8-129.6				
Selenium	172	2.08	"	217		79.2	69.1-131.3				
Silver	67.5	0.420	"	67.8		99.5	70.6-129.2				
Zinc	216	2.08	"	224		96.6	70.1-130.4				

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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE30600 - EPA 7473 soil											
Blank (BE30600-BLK1)								Prepared & Analyzed: 05/09/2023			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BE30600-DUP1)	*Source sample: 23E0073-01 (Duplicate)							Prepared & Analyzed: 05/09/2023			
Mercury	0.0865	0.0444	mg/kg dry		0.0682				23.5	35	
Matrix Spike (BE30600-MS1)	*Source sample: 23E0073-01 (Matrix Spike)							Prepared & Analyzed: 05/09/2023			
Mercury	0.588		mg/kg	0.500	0.0461	108	75-125				
Reference (BE30600-SRM1)								Prepared & Analyzed: 05/09/2023			
Mercury	25.862		mg/kg	27.2		95.1	59.9-140.1				
Batch BE30810 - EPA SW846-7470A											
Blank (BE30810-BLK1)								Prepared & Analyzed: 05/11/2023			
Mercury	ND	0.0002	mg/L								
Blank (BE30810-BLK2)								Prepared & Analyzed: 05/11/2023			
Mercury	ND	0.0002	mg/L								
LCS (BE30810-BS1)								Prepared & Analyzed: 05/11/2023			
Mercury	0.0021523	0.0002	mg/L	0.00200		108	80-120				
LCS (BE30810-BS2)								Prepared & Analyzed: 05/11/2023			
Mercury	0.0020143	0.0002	mg/L	0.00200		101	80-120				

Wet Chemistry 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 BE30169 - Analysis Preparation											
Blank (BE30169-BLK1)								Prepared & Analyzed: 05/02/2023			
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BE30169-BS1)								Prepared & Analyzed: 05/02/2023			
Chromium, Hexavalent	0.545	0.0100	mg/L	0.500		109	80-120				
Duplicate (BE30169-DUP1)	*Source sample: 23E0134-05 (Equipment Blank)							Prepared & Analyzed: 05/02/2023			
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BE30169-MS1)	*Source sample: 23E0134-05 (Equipment Blank)							Prepared & Analyzed: 05/02/2023			
Chromium, Hexavalent	0.574	0.0100	mg/L	0.500	ND	115	75-125				
Matrix Spike Dup (BE30169-MSD1)	*Source sample: 23E0134-05 (Equipment Blank)							Prepared & Analyzed: 05/02/2023			
Chromium, Hexavalent	0.570	0.0100	mg/L	0.500	ND	114	75-125		0.699	200	
Batch BE30245 - Analysis Preparation											
Blank (BE30245-BLK1)								Prepared & Analyzed: 05/03/2023			
Cyanide, total	ND	0.0100	mg/L								
LCS (BE30245-BS1)								Prepared & Analyzed: 05/03/2023			
Cyanide, total	0.185	0.0100	mg/L	0.200		92.5	80-120				
Duplicate (BE30245-DUP1)	*Source sample: 23E0134-05 (Equipment Blank)							Prepared & Analyzed: 05/03/2023			
Cyanide, total	ND	0.0100	mg/L		ND					15	
Matrix Spike (BE30245-MS1)	*Source sample: 23E0134-05 (Equipment Blank)							Prepared & Analyzed: 05/03/2023			
Cyanide, total	0.194	0.0100	mg/L	0.200	ND	97.0	79-105				

Wet Chemistry 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 BE30245 - Analysis Preparation											
Matrix Spike Dup (BE30245-MSD1)	*Source sample: 23E0134-05 (Equipment Blank)							Prepared & Analyzed: 05/03/2023			
Cyanide, total	0.189	0.0100	mg/L	0.200	ND	94.5	79-105		2.61	200	
Batch BE30407 - EPA SW846-3060											
Blank (BE30407-BLK1)								Prepared: 05/05/2023 Analyzed: 05/08/2023			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BE30407-DUP1)	*Source sample: 23E0136-01 (Duplicate)							Prepared: 05/05/2023 Analyzed: 05/08/2023			
Chromium, Hexavalent	ND	0.558	mg/kg dry		ND					35	
Matrix Spike (BE30407-MS1)	*Source sample: 23E0136-01 (Matrix Spike)							Prepared: 05/05/2023 Analyzed: 05/08/2023			
Chromium, Hexavalent	ND	0.558	mg/kg dry	22.3	ND		75-125	Low Bias			
Matrix Spike (BE30407-MS2)	*Source sample: 23E0136-01 (Matrix Spike)							Prepared: 05/05/2023 Analyzed: 05/08/2023			
Chromium, Hexavalent	0.625	0.558	mg/kg dry	22.3	ND	2.80	75-125	Low Bias			
Reference (BE30407-SRM1)								Prepared: 05/05/2023 Analyzed: 05/08/2023			
Chromium, Hexavalent	292		mg/L	227		129	42.3-157.7				
Batch BE30474 - Analysis Preparation Soil											
Blank (BE30474-BLK1)								Prepared & Analyzed: 05/08/2023			
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BE30474-DUP1)	*Source sample: 23E0136-01 (Duplicate)							Prepared & Analyzed: 05/08/2023			
Cyanide, total	ND	0.558	mg/kg dry		ND					15	

Wet Chemistry 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 BE30474 - Analysis Preparation Soil											
Matrix Spike (BE30474-MS1)	*Source sample: 23E0136-01 (Matrix Spike)								Prepared & Analyzed: 05/08/2023		
Cyanide, total	12.3	0.558	mg/kg dry	11.2	ND	110	79.6-107	High Bias			
Matrix Spike Dup (BE30474-MSD1)	*Source sample: 23E0136-01 (Matrix Spike Dup)								Prepared & Analyzed: 05/08/2023		
Cyanide, total	12.3	0.558	mg/kg dry	11.2	ND	110	79.6-107	High Bias	0.00	200	
Reference (BE30474-SRM1)									Prepared & Analyzed: 05/08/2023		
Cyanide, total	164		ug/mL	131		125	44.4-156.5				

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 BE30583 - % Solids Prep											
Duplicate (BE30583-DUP1)	*Source sample: 23E0136-01 (Duplicate)								Prepared & Analyzed: 05/09/2023		
% Solids	90.1	0.100	%		89.5				0.602	20	
Batch BE30704 - % Solids Prep											
Duplicate (BE30704-DUP1)	*Source sample: 23E0134-01 (LP_001)								Prepared & Analyzed: 05/10/2023		
% Solids	93.8	0.100	%		94.4				0.683	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23E0134-02	LP_002	40mL Vial with Stir Bar-Cool 4° C
23E0134-03	LP_003	40mL Vial with Stir Bar-Cool 4° C
23E0134-04	DUP_001	40mL Vial with Stir Bar-Cool 4° C
23E0134-05	Equipment Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E0134-07	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
S-08	The recovery of this surrogate was outside of QC limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-04	The recoveries of LCS compounds meet Laboratory Control Limits, however are outside of NJDEP DKQP limits. The data are qualified as such and the data user should take note.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
P	This qualifier indicates the compound detected exhibited greater than 40% between the quantitation and confirmatory columns.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)

Definitions and Other Explanations

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

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. — Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (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. 23E0134

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

Page 1 of 1

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: PW Grosser Consulting	Company: →	Company: →	BRK2302	RUSH - Next Day
Address: 630 Johnson Ave Bohemia NY 11716	Address: →	Address: →	YOUR Project Name	RUSH - Two Day
				RUSH - Three Day
Phone: 631-589-6353	Phone: →	Phone: →		RUSH - Four Day
Contact: Derek Ersbak	Contact: →	Contact: →		RUSH - Five Day
E-mail: dereke@pwgrosser.com	E-mail: →	E-mail: →	YOUR PO#: 28 2023 BID	Standard (6-9 Day) X
				PFAS Standard is 7-10 Days

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.

Samples Collected by: (print AND sign your name)

Matrix Codes	Samples From		Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York	X	Summary Report	CT RCP	(EQuIS (Standard))	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey		QA Report	CT RCP DQA/DUE	NYSDEC EQuIS	
DW - drinking water	Connecticut		CMDP	NJDEP Reduced Deliverables	NJDKQP	
WW - wastewater	Pennsylvania		Standard Excel EDD		NJDEP SRP HazSite	
O - Oil / Other	Other:		(NY ASP B Package)	Other:		

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
LP_001	S	05/01/23 / 14:20	PFAS, EPA 1633	8oz glass x2	8
LP_002	↓	05/02/23 15:05	SVOCs, 1,4 Dioxane 8270 SIM	4oz glass x1	8
LP_003	↓	05/02/23 14:30	Chromium, Hexavalent/Chromium, Trivalent	5035 Vial set x1, 250mL Plastic x1	8
~~LP_004 MS/MSD~~ (KB)			~~Cyanide, Total, Herbicides~~, NYSDEC 375,		~~24~~
DUP_001	↓	05/02/23	PCB, Semi-Volatiles NYSDEC 375	↓	8
Equipment Blank	W	05/02/23 13:30	VOCs Suffolk Co. App. A DHS List	250mL plastic x4, 1L amber glass x2, 1000mL glass x5, 40mL vial x3	14
Field Blank	W	05/02/23 13:45	PFAS, EPA 1633	250mL Plastic	1
Trip Blank	W		VOCs NYSDEC 375 list	40mL Vial	2

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

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

Special Instruction: Field Filtered ☐ Lab to Filter ☐

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Kyler Berg PWGC	05/02/23 15:30	KBarbyork	5/2/23 330 pm	KBarbyork	5/2/23
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[signature] 5/2/23	1815 / 3.4 Degrees C

Technical Report

prepared for:

P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia NY, 11716
Attention: Derek Ersbak

Report Date: 06/23/2023
Client Project ID: BRK2302 (Brookhaven Calabro Airport)
York Project (SDG) No.: 23F1188

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: 06/23/2023
Client Project ID: BRK2302 (Brookhaven Calabro Airport)
York Project (SDG) No.: 23F1188

P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia NY, 11716
Attention: Derek Ersbak

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 19, 2023 and listed below. The project was identified as your project: **BRK2302 (Brookhaven Calabro Airport)**.

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
23F1188-01	LP_002	Soil	06/16/2023	06/19/2023

General Notes for York Project (SDG) No.: 23F1188

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

Date: 06/23/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23F1188-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1188	BRK2302 (Brookhaven Calabro Airport)	Soil	June 16, 2023 2:40 pm	06/19/2023

Volatile Organics, Suffolk Co. App.A DHS List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND	CCVE	mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23F1188-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1188	BRK2302 (Brookhaven Calabro Airport)	Soil	June 16, 2023 2:40 pm	06/19/2023

Volatile Organics, Suffolk Co. App.A DHS List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.090	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
110-75-8	2-Chloroethylvinyl ether	ND		mg/kg dry	0.0090	0.018	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
67-64-1	**Acetone**	**0.088**	CCVE	mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-25-2	Bromoform	ND	CCVE, QL-02	mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23F1188-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1188	BRK2302 (Brookhaven Calabro Airport)	Soil	June 16, 2023 2:40 pm	06/19/2023

Volatile Organics, Suffolk Co. App.A DHS List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
64-17-5	* Ethanol	ND		mg/kg dry	0.036	0.072	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
60-29-7	* Ethyl Ether	ND		mg/kg dry	0.023	0.045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
637-92-3	* Ethyl tert-butyl ether (ETBE)	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
74-88-4	* Iodomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
80-62-6	Methyl Methacrylate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
91-20-3	Naphthalene	ND		mg/kg dry	0.0023	0.0090	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	BMC

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23F1188-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1188	BRK2302 (Brookhaven Calabro Airport)	Soil	June 16, 2023 2:40 pm	06/19/2023

Volatile Organics, Suffolk Co. App.A DHS List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	BMC
105-05-5	* p-Diethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
622-96-8	* p-Ethyltoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-85-4	* tert-Amyl alcohol (TAA)	ND		mg/kg dry	0.036	0.072	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
994-05-8	* tert-Amyl methyl ether (TAME)	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
109-99-9	* Tetrahydrofuran	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	BMC
107-05-1	* Allyl chloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
123-86-4	* n-butyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23F1188-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1188	BRK2302 (Brookhaven Calabro Airport)	Soil	June 16, 2023 2:40 pm	06/19/2023

Volatile Organics, Suffolk Co. App.A DHS List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-45-6	* Chlorodifluoromethane (Freon 22)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
493-01-6	* cis-decahydronaphthalene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
493-02-7	* trans-decahydronaphthalene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
124-18-5	* n-Decane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
97-63-2	* Ethyl Methacrylate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
67-72-1	* Hexachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
110-54-3	* n-Hexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
5989-27-5	* Limonene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
98-95-3	* Nitrobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
79-46-9	* 2-Nitropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
111-84-2	* n-Nonane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
111-65-9	* n-octane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
1120-21-4	* n-undecane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC
556-61-6	* Methyl Isothiocyanate (TIC)	ND		mg/kg dry	0.045	0.045	1	EPA 8260C Certifications:	06/20/2023 13:44	06/20/2023 16:30	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*93.5 %*	*76-130*

SVOA, 8270 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0831	0.166	2	EPA 8270D Certifications:	06/20/2023 10:35 NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23F1188-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1188	BRK2302 (Brookhaven Calabro Airport)	Soil	June 16, 2023 2:40 pm	06/19/2023

SVOA, 8270 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 NELAC-NY10854,PADEP	06/21/2023 13:52	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 NELAC-NY10854,PADEP	06/21/2023 13:52	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 NELAC-NY10854,PADEP	06/21/2023 13:52	KH
90-12-0	* 1-Methylnaphthalene	ND		mg/kg dry	0.0831	0.166	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0831	0.166	2	EPA 8270D Certifications:	06/20/2023 10:35 NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0831	0.166	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
606-20-2	2,6-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
88-74-4	2-Nitroaniline	ND	CAL-E	mg/kg dry	0.0831	0.166	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0831	0.166	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0831	0.166	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23F1188-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1188	BRK2302 (Brookhaven Calabro Airport)	Soil	June 16, 2023 2:40 pm	06/19/2023

SVOA, 8270 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
100-01-6	4-Nitroaniline	ND	CAL-E	mg/kg dry	0.0831	0.166	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0831	0.166	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 NELAC-NY10854,NJDEP,PADEP	KH
62-53-3	Aniline	ND		mg/kg dry	0.166	0.333	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 NELAC-NY10854,NJDEP,PADEP	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 NELAC-NY10854,NJDEP,PADEP	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 NELAC-NY10854,NJDEP,PADEP	KH
92-87-5	Benzidine	ND		mg/kg dry	0.166	0.333	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 CTDOH-PH-0723,NELAC-NY10854,PADEP	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
65-85-0	Benzoic acid	ND	CAL-E	mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 NELAC-NY10854,NJDEP,PADEP	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 NELAC-NY10854,NJDEP,PADEP	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23F1188-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1188	BRK2302 (Brookhaven Calabro Airport)	Soil	June 16, 2023 2:40 pm	06/19/2023

SVOA, 8270 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0831	0.166	2	EPA 8270D Certifications:	06/20/2023 10:35 NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
1319-77-3	* Cresols, total	ND		mg/kg dry	0.0831	0.166	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0831	0.166	2	EPA 8270D Certifications:	06/20/2023 10:35 NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23F1188-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1188	BRK2302 (Brookhaven Calabro Airport)	Soil	June 16, 2023 2:40 pm	06/19/2023

SVOA, 8270 NYSDEC Part 375

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
82-68-8	* Pentachloronitrobenzene	ND		mg/kg dry	0.0831	0.166	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52	KH
87-86-5	Pentachlorophenol	ND	CAL-E	mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
108-95-2	Phenol	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
2312-35-8	* Propargite	ND		mg/kg dry	0.166	0.333	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
110-86-1	Pyridine	ND		mg/kg dry	0.166	0.333	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/21/2023 13:52	KH
6025-45-2	* Resorcinol	ND		mg/kg dry	0.166	0.333	2	EPA 8270D Certifications:	06/20/2023 10:35	06/21/2023 13:52	KH
56-38-2	Parathion	ND	CAL-E	mg/kg dry	0.0416	0.0831	2	EPA 8270D Certifications:	06/20/2023 10:35 CTDOH-PH-0723,NELAC-NY10854,NJDEP	06/21/2023 13:52	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*72.9 %*	*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*70.9 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*77.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*72.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*89.0 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*77.0 %*	*24-116*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg	0.0190	1	EPA 8270D SIM Certifications:	06/21/2023 12:10 NELAC-NY10854	06/23/2023 11:33	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*47.4 %*	*39-127.5*

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23F1188-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1188	BRK2302 (Brookhaven Calabro Airport)	Soil	June 16, 2023 2:40 pm	06/19/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.112	0.179	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**0.0777**	J	ug/kg dry	0.0535	0.202	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2023 12:52	06/23/2023 18:25	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.106	0.202	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2023 12:52	06/23/2023 18:25	ESJ
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.181	0.185	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
335-67-1	**Perfluorooctanoic acid (PFOA)**	**0.302**		ug/kg dry	0.174	0.202	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2023 12:52	06/23/2023 18:25	ESJ
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**0.268**		ug/kg dry	0.169	0.188	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2023 12:52	06/23/2023 18:25	ESJ
375-95-1	**Perfluorononanoic acid (PFNA)**	**0.282**		ug/kg dry	0.191	0.202	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2023 12:52	06/23/2023 18:25	ESJ
335-76-2	**Perfluorodecanoic acid (PFDA)**	**0.212**		ug/kg dry	0.193	0.202	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2023 12:52	06/23/2023 18:25	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.200	0.202	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2023 12:52	06/23/2023 18:25	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.165	0.202	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2023 12:52	06/23/2023 18:25	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.126	0.202	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2023 12:52	06/23/2023 18:25	ESJ
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.104	0.202	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2023 12:52	06/23/2023 18:25	ESJ
2355-31-9	**N-MeFOSAA**	**1.49**		ug/kg dry	0.149	0.202	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2023 12:52	06/23/2023 18:25	ESJ
2991-50-6	**N-EtFOSAA**	**2.81**		ug/kg dry	0.196	0.202	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2023 12:52	06/23/2023 18:25	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.110	0.404	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2023 12:52	06/23/2023 18:25	ESJ
754-91-6	*** Perfluoro-1-octanesulfonamide (FOSA)**	**0.239**		ug/kg dry	0.147	0.202	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.157	0.202	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
335-77-3	*** Perfluoro-1-decanesulfonic acid (PFDS)**	**0.457**		ug/kg dry	0.193	0.195	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.601	0.768	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.763	0.776	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2023 12:52	06/23/2023 18:25	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.110	0.808	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	06/21/2023 12:52	06/23/2023 18:25	ESJ
113507-82-7	* Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ug/kg dry	0.140	0.360	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23F1188-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1188	BRK2302 (Brookhaven Calabro Airport)	Soil	June 16, 2023 2:40 pm	06/19/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	* Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ug/kg dry	0.195	0.404	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
377-73-1	* Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ug/kg dry	0.0626	0.404	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
863090-89-5	* Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ug/kg dry	0.0970	0.404	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
2706-91-4	* Perfluoro-1-pentanesulfonate (PFPeS)	ND		ug/kg dry	0.159	0.190	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
757124-72-4	* 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ug/kg dry	0.601	0.757	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
13252-13-6	* HFPO-DA (Gen-X)	ND		ug/kg dry	0.614	0.808	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
763051-92-9	* 11CL-PF3OUdS	ND		ug/kg dry	0.314	0.764	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
756426-58-1	* 9CL-PF3ONS	ND		ug/kg dry	0.248	0.755	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
919005-14-4	* ADONA	ND		ug/kg dry	0.176	0.764	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ug/kg dry	0.171	0.196	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ug/kg dry	0.125	0.194	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ug/kg dry	0.640	1.01	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ug/kg dry	2.12	5.05	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ug/kg dry	1.51	5.05	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
24448-09-7	* N-MeFOSE	ND		ug/kg dry	0.617	2.02	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
31506-32-8	* N-MeFOSA	ND		ug/kg dry	0.182	0.202	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
1691-99-2	* N-EtFOSE	ND		ug/kg dry	0.704	2.02	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ
4151-50-2	* N-EtFOSA	ND		ug/kg dry	0.200	0.202	1	EPA 1633 Draft 3 Certifications:	06/21/2023 12:52	06/23/2023 18:25	ESJ

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*103 %*	*25-150*
Surrogate: M5PFHxA	*116 %*	*25-150*
Surrogate: M4PFHpA	*124 %*	*25-150*
Surrogate: M3PFHxS	*104 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*113 %*	*25-150*
Surrogate: M6PFDA	*97.1 %*	*25-150*
Surrogate: M7PFUdA	*89.9 %*	*25-150*

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23F1188-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1188	BRK2302 (Brookhaven Calabro Airport)	Soil	June 16, 2023 2:40 pm	06/19/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*82.8 %*			*25-150*						
	Surrogate: M2PFTeDA	*82.4 %*			*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*107 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*144 %*			*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*110 %*			*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*115 %*			*10-150*						
	Surrogate: d3-N-MeFOSAA	*134 %*			*25-150*						
	Surrogate: d5-N-EtFOSAA	*175 %*			*25-150*						
	Surrogate: M2-6:2 FTS	*118 %*			*25-200*						
	Surrogate: M2-8:2 FTS	*97.0 %*			*25-200*						
	Surrogate: M9PFNA	*115 %*			*25-150*						
	Surrogate: M2-4:2 FTS	*102 %*			*25-150*						
	Surrogate: d-N-MeFOSA	*89.7 %*			*25-150*						
	Surrogate: d-N-EtFOSA	*75.9 %*			*25-150*						
	Surrogate: M3HFPO-DA	*110 %*			*25-150*						
	Surrogate: d9-N-EtFOSE	*95.1 %*			*25-150*						
	Surrogate: d7-N-MeFOSE	*91.6 %*			*25-150*						

Pesticides, 8081 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00163	5	EPA 8081B Certifications:	06/20/2023 08:33 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/23/2023 12:46	SCB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00163	5	EPA 8081B Certifications:	06/20/2023 08:33 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/23/2023 12:46	SCB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00163	5	EPA 8081B Certifications:	06/20/2023 08:33 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/23/2023 12:46	SCB
309-00-2	Aldrin	ND		mg/kg dry	0.00163	5	EPA 8081B Certifications:	06/20/2023 08:33 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/23/2023 12:46	SCB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00163	5	EPA 8081B Certifications:	06/20/2023 08:33 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/23/2023 12:46	SCB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00163	5	EPA 8081B Certifications:	06/20/2023 08:33 NELAC-NY10854,NJDEP	06/23/2023 12:46	SCB
319-85-7	beta-BHC	ND		mg/kg dry	0.00163	5	EPA 8081B Certifications:	06/20/2023 08:33 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/23/2023 12:46	SCB
319-86-8	delta-BHC	ND		mg/kg dry	0.00163	5	EPA 8081B Certifications:	06/20/2023 08:33 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/23/2023 12:46	SCB

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23F1188-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1188	BRK2302 (Brookhaven Calabro Airport)	Soil	June 16, 2023 2:40 pm	06/19/2023

Pesticides, 8081 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
60-57-1	Dieldrin	ND		mg/kg dry	0.00163	5	EPA 8081B Certifications:	06/20/2023 08:33 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/23/2023 12:46	SCB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00163	5	EPA 8081B Certifications:	06/20/2023 08:33 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/23/2023 12:46	SCB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00163	5	EPA 8081B Certifications:	06/20/2023 08:33 CTDOH-PH-0723,NELAC-NY10854	06/23/2023 12:46	SCB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00163	5	EPA 8081B Certifications:	06/20/2023 08:33 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/23/2023 12:46	SCB
72-20-8	Endrin	ND		mg/kg dry	0.00163	5	EPA 8081B Certifications:	06/20/2023 08:33 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/23/2023 12:46	SCB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00163	5	EPA 8081B Certifications:	06/20/2023 08:33 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/23/2023 12:46	SCB
76-44-8	Heptachlor	ND		mg/kg dry	0.00163	5	EPA 8081B Certifications:	06/20/2023 08:33 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	06/23/2023 12:46	SCB

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*93.9 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*74.7 %*	*30-150*

Polychlorinated biphenyl, 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0165	1	EPA 8082A Certifications:	06/20/2023 08:33 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	06/22/2023 05:35	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0165	1	EPA 8082A Certifications:	06/20/2023 08:33 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	06/22/2023 05:35	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0165	1	EPA 8082A Certifications:	06/20/2023 08:33 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	06/22/2023 05:35	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0165	1	EPA 8082A Certifications:	06/20/2023 08:33 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	06/22/2023 05:35	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0165	1	EPA 8082A Certifications:	06/20/2023 08:33 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	06/22/2023 05:35	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0165	1	EPA 8082A Certifications:	06/20/2023 08:33 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	06/22/2023 05:35	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0165	1	EPA 8082A Certifications:	06/20/2023 08:33 NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	06/22/2023 05:35	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0165	1	EPA 8082A Certifications:	06/20/2023 08:33	06/22/2023 05:35	BCJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*75.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*91.5 %*	*30-120*

Herbicides 8151 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23F1188-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1188	BRK2302 (Brookhaven Calabro Airport)	Soil	June 16, 2023 2:40 pm	06/19/2023

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0203	1	EPA 8151A	06/20/2023 16:30	06/22/2023 02:30	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*71.2 %*	*21-150*

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.27	1	EPA 6010D	06/22/2023 14:15	06/23/2023 17:41	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**6.39**		mg/kg dry	2.11	1	EPA 6010D	06/22/2023 14:15	06/23/2023 17:41	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.043	1	EPA 6010D	06/22/2023 14:15	06/23/2023 17:41	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.254	1	EPA 6010D	06/22/2023 14:15	06/23/2023 17:41	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**1.28**	M-CCV 1	mg/kg dry	0.424	1	EPA 6010D	06/22/2023 14:15	06/23/2023 17:41	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**12.6**		mg/kg dry	1.69	1	EPA 6010D	06/22/2023 14:15	06/23/2023 17:41	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**2.20**		mg/kg dry	0.424	1	EPA 6010D	06/22/2023 14:15	06/23/2023 17:41	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**3.23**		mg/kg dry	0.424	1	EPA 6010D	06/22/2023 14:15	06/23/2023 17:41	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/kg dry	0.843	1	EPA 6010D	06/22/2023 14:15	06/23/2023 17:41	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.12	1	EPA 6010D	06/22/2023 14:15	06/23/2023 17:41	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.427	1	EPA 6010D	06/22/2023 14:15	06/23/2023 17:41	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**6.62**		mg/kg dry	2.11	1	EPA 6010D	06/22/2023 14:15	06/23/2023 17:41	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0676**		mg/kg dry	0.0305	1	EPA 7473	06/21/2023 15:23	06/21/2023 22:28	AGNR
							Certifications:	CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: LP_002 **York Sample ID:** 23F1188-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23F1188	BRK2302 (Brookhaven Calabro Airport)	Soil	June 16, 2023 2:40 pm	06/19/2023

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.508	1	EPA 7196A	06/20/2023 14:59	06/20/2023 23:45	SL
							Certifications:	NJDEP,CTDOH-PH-0723,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**1.28**		mg/kg	0.500	1	Calculation	06/22/2023 06:51	06/23/2023 18:36	ZTS
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.508	1	EPA 9014/9010C	06/22/2023 09:22	06/22/2023 16:28	JAMT
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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**	**98.4**		%	0.100	1	SM 2540G	06/22/2023 15:03	06/22/2023 17:30	CAM2
							Certifications:	CTDOH-PH-0723		

Analytical Batch Summary

Batch ID: BF30064 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23F1188-01	LP_002	06/20/23
BF30064-BLK1	Blank	06/20/23
BF30064-BS1	LCS	06/20/23
BF30064-BSD1	LCS Dup	06/20/23

Batch ID: BF31205 **Preparation Method:** EPA 3550C **Prepared By:** kaz

YORK Sample ID	Client Sample ID	Preparation Date
23F1188-01	LP_002	06/20/23
23F1188-01	LP_002	06/20/23
BF31205-BLK1	Blank	06/20/23
BF31205-BLK2	Blank	06/20/23
BF31205-BS1	LCS	06/20/23
BF31205-BS2	LCS	06/20/23
BF31205-MS2	Matrix Spike	06/20/23
BF31205-MSD2	Matrix Spike Dup	06/20/23

Batch ID: BF31223 **Preparation Method:** EPA 3550C **Prepared By:** JES

YORK Sample ID	Client Sample ID	Preparation Date
23F1188-01	LP_002	06/20/23
BF31223-BLK1	Blank	06/20/23
BF31223-BS1	LCS	06/20/23
BF31223-MS1	Matrix Spike	06/20/23
BF31223-MSD1	Matrix Spike Dup	06/20/23

Batch ID: BF31254 **Preparation Method:** EPA SW846-3060 **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23F1188-01	LP_002	06/20/23
BF31254-BLK1	Blank	06/20/23
BF31254-DUP1	Duplicate	06/20/23
BF31254-MS1	Matrix Spike	06/20/23
BF31254-MSD1	Matrix Spike Dup	06/20/23
BF31254-SRM1	Reference	06/20/23

Batch ID: BF31269 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
23F1188-01	LP_002	06/20/23
BF31269-BLK1	Blank	06/20/23
BF31269-BS1	LCS	06/20/23
BF31269-MS1	Matrix Spike	06/20/23

BF31269-MSD1	Matrix Spike Dup	06/20/23

Batch ID: BF31284 **Preparation Method:** EPA 7473 soil **Prepared By:** AGNR

YORK Sample ID	Client Sample ID	Preparation Date
23F1188-01	LP_002	06/21/23
BF31284-BLK1	Blank	06/21/23
BF31284-DUP1	Duplicate	06/21/23
BF31284-MS1	Matrix Spike	06/21/23
BF31284-SRM1	Reference	06/21/23

Batch ID: BF31329 **Preparation Method:** EPA 3550C **Prepared By:** kaz

YORK Sample ID	Client Sample ID	Preparation Date
23F1188-01	LP_002	06/21/23
BF31329-BLK1	Blank	06/21/23
BF31329-BS1	LCS	06/21/23
BF31329-MS1	Matrix Spike	06/21/23
BF31329-MSD1	Matrix Spike Dup	06/21/23

Batch ID: BF31337 **Preparation Method:** EPA 1633 Prep **Prepared By:** WJH

YORK Sample ID	Client Sample ID	Preparation Date
23F1188-01	LP_002	06/21/23
BF31337-BLK1	Blank	06/21/23
BF31337-BS1	LCS	06/21/23
BF31337-BS2	LCS	06/21/23

Batch ID: BF31395 **Preparation Method:** Analysis Preparation **Prepared By:** CAM

YORK Sample ID	Client Sample ID	Preparation Date
23F1188-01	LP_002	06/22/23

Batch ID: BF31424 **Preparation Method:** Analysis Preparation Soil **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
23F1188-01	LP_002	06/22/23
BF31424-BLK1	Blank	06/22/23
BF31424-DUP1	Duplicate	06/22/23
BF31424-MS1	Matrix Spike	06/22/23
BF31424-MSD1	Matrix Spike Dup	06/22/23
BF31424-SRM1	Reference	06/22/23

Batch ID: BF31446 **Preparation Method:** EPA 3050B **Prepared By:** KMQ

YORK Sample ID	Client Sample ID	Preparation Date
23F1188-01	LP_002	06/22/23

BF31446-BLK1	Blank	06/22/23
BF31446-DUP1	Duplicate	06/22/23
BF31446-MS1	Matrix Spike	06/22/23
BF31446-PS1	Post Spike	06/22/23
BF31446-SRM1	Reference	06/22/23

Batch ID: BF31458 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
23F1188-01	LP_002	06/22/23
BF31458-DUP1	Duplicate	06/22/23

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF30064 - EPA 5035A											
Blank (BF30064-BLK1)											Prepared & Analyzed: 06/20/2023
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4,5-Tetramethylbenzene	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chloroethylvinyl ether	ND	0.020	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF30064 - EPA 5035A											
Blank (BF30064-BLK1)									Prepared & Analyzed: 06/20/2023		
Dibromomethane	ND	0.0050	mg/kg wet								
Dichlorodifluoromethane	ND	0.0050	"								
Diisopropyl ether (DIPE)	ND	0.0080	"								
Ethanol	ND	0.080	"								
Ethyl Benzene	ND	0.0050	"								
Ethyl Ether	ND	0.050	"								
Ethyl tert-butyl ether (ETBE)	ND	0.0080	"								
Hexachlorobutadiene	ND	0.0050	"								
Iodomethane	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl Methacrylate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Diethylbenzene	ND	0.0050	"								
p-Ethyltoluene	ND	0.0050	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Amyl alcohol (TAA)	ND	0.080	"								
tert-Amyl methyl ether (TAME)	ND	0.0080	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Tetrahydrofuran	ND	0.010	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Allyl chloride	ND	0.0050	"								
n-butyl acetate	ND	0.0050	"								
Chlorodifluoromethane (Freon 22)	ND	0.0050	"								
cis-decahydronaphthalene	ND	0.0050	"								
trans-decahydronaphthalene	ND	0.0050	"								
n-Decane	ND	0.0050	"								
Ethyl Methacrylate	ND	0.0050	"								
Hexachloroethane	ND	0.0050	"								
n-Hexane	ND	0.0050	"								
Limonene	ND	0.0050	"								
Nitrobenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF30064 - EPA 5035A											
Blank (BF30064-BLK1)								Prepared & Analyzed: 06/20/2023			
2-Nitropropane	ND	0.0050	mg/kg wet								
n-Nonane	ND	0.0050	"								
n-octane	ND	0.0050	"								
n-undecane	ND	0.0050	"								
Methyl Isothiocyanate (TIC)	ND	0.050	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.2*		*ug/L*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.6*		*"*	*50.0*		*97.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.5*		*"*	*50.0*		*95.0*	*76-130*				
LCS (BF30064-BS1)								Prepared & Analyzed: 06/20/2023			
1,1,1,2-Tetrachloroethane	49.9		ug/L	50.0		99.8	75-129				
1,1,1-Trichloroethane	48.7		"	50.0		97.5	71-137				
1,1,2,2-Tetrachloroethane	50.0		"	50.0		99.9	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	75.9		"	50.0		152	58-146	High Bias			
1,1,2-Trichloroethane	49.6		"	50.0		99.1	83-123				
1,1-Dichloroethane	51.6		"	50.0		103	75-130				
1,1-Dichloroethylene	72.0		"	50.0		144	64-137	High Bias			
1,1-Dichloropropylene	47.6		"	50.0		95.1	77-127				
1,2,3-Trichlorobenzene	44.1		"	50.0		88.2	81-140				
1,2,3-Trichloropropane	51.9		"	50.0		104	81-126				
1,2,4,5-Tetramethylbenzene	48.8		"	50.0		97.6	63-156				
1,2,4-Trichlorobenzene	44.9		"	50.0		89.7	80-141				
1,2,4-Trimethylbenzene	50.7		"	50.0		101	84-125				
1,2-Dibromo-3-chloropropane	40.7		"	50.0		81.4	74-142				
1,2-Dibromoethane	49.8		"	50.0		99.6	86-123				
1,2-Dichlorobenzene	49.9		"	50.0		99.7	85-122				
1,2-Dichloroethane	53.3		"	50.0		107	71-133				
1,2-Dichloropropane	53.6		"	50.0		107	81-122				
1,3,5-Trimethylbenzene	50.4		"	50.0		101	82-126				
1,3-Dichlorobenzene	49.4		"	50.0		98.8	84-124				
1,3-Dichloropropane	49.1		"	50.0		98.3	83-123				
1,4-Dichlorobenzene	47.6		"	50.0		95.2	84-124				
1,4-Dioxane	982		"	1050		93.5	10-228				
2,2-Dichloropropane	39.8		"	50.0		79.6	67-136				
2-Butanone	50.1		"	50.0		100	58-147				
2-Chloroethylvinyl ether	54.0		"	50.0		108	10-166				
2-Chlorotoluene	51.8		"	50.0		104	78-127				
2-Hexanone	59.4		"	50.0		119	70-139				
4-Chlorotoluene	52.7		"	50.0		105	79-125				
4-Methyl-2-pentanone	59.4		"	50.0		119	72-132				
Acetone	69.6		"	50.0		139	36-155				
Acrolein	65.3		"	125		52.3	10-238				
Acrylonitrile	53.5		"	50.0		107	66-141				
Benzene	51.7		"	50.0		103	77-127				
Bromobenzene	46.9		"	50.0		93.8	77-129				
Bromochloromethane	57.7		"	50.0		115	74-129				
Bromodichloromethane	47.7		"	50.0		95.4	81-124				
Bromoform	39.4		"	50.0		78.8	80-136	Low Bias			
Bromomethane	73.7		"	50.0		147	32-177				
Carbon disulfide	72.5		"	50.0		145	10-136	High Bias			

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF30064 - EPA 5035A											
LCS (BF30064-BS1)								Prepared & Analyzed: 06/20/2023			
Carbon tetrachloride	47.9		ug/L	50.0		95.7	66-143				
Chlorobenzene	54.6		"	50.0		109	86-120				
Chloroethane	67.9		"	50.0		136	51-142				
Chloroform	49.5		"	50.0		99.1	76-131				
Chloromethane	47.2		"	50.0		94.4	49-132				
cis-1,2-Dichloroethylene	50.9		"	50.0		102	74-132				
cis-1,3-Dichloropropylene	48.2		"	50.0		96.5	81-129				
Cyclohexane	54.6		"	50.0		109	70-130				
Dibromochloromethane	49.0		"	50.0		98.1	10-200				
Dibromomethane	50.0		"	50.0		100	83-124				
Dichlorodifluoromethane	19.9		"	50.0		39.8	28-158				
Diisopropyl ether (DIPE)	58.7		"	50.0		117	70-130				
Ethanol	ND	0.080	mg/kg wet				70-130				
Ethyl Benzene	55.6		ug/L	50.0		111	84-125				
Ethyl Ether	7970		"	500		NR	70-130	High Bias			
Ethyl tert-butyl ether (ETBE)	49.9		"	50.0		99.8	70-130				
Hexachlorobutadiene	42.5		"	50.0		85.0	83-133				
Iodomethane	70.0		"	50.0		140	70-130	High Bias			
Isopropylbenzene	49.8		"	50.0		99.5	81-127				
Methyl acetate	55.8		"	50.0		112	41-143				
Methyl Methacrylate	49.5		"	50.0		98.9	79-125				
Methyl tert-butyl ether (MTBE)	46.2		"	50.0		92.4	74-131				
Methylcyclohexane	49.8		"	50.0		99.7	70-130				
Methylene chloride	53.9		"	50.0		108	57-141				
Naphthalene	46.0		"	50.0		92.0	86-141				
n-Butylbenzene	53.2		"	50.0		106	80-130				
n-Propylbenzene	51.9		"	50.0		104	74-136				
o-Xylene	53.7		"	50.0		107	83-123				
p- & m- Xylenes	115		"	100		115	82-128				
p-Diethylbenzene	51.5		"	50.0		103	70-144				
p-Ethyltoluene	52.6		"	50.0		105	84-123				
p-Isopropyltoluene	51.4		"	50.0		103	85-125				
sec-Butylbenzene	50.4		"	50.0		101	83-125				
Styrene	51.2		"	50.0		102	86-126				
tert-Amyl alcohol (TAA)	391		"	500		78.1	70-130				
tert-Amyl methyl ether (TAME)	52.9		"	50.0		106	70-130				
tert-Butyl alcohol (TBA)	229		"	250		91.4	70-130				
tert-Butylbenzene	48.9		"	50.0		97.9	80-127				
Tetrachloroethylene	41.7		"	50.0		83.4	80-129				
Tetrahydrofuran	56.4		"	50.0		113	64-137				
Toluene	52.7		"	50.0		105	85-121				
trans-1,2-Dichloroethylene	52.2		"	50.0		104	72-132				
trans-1,3-Dichloropropylene	46.2		"	50.0		92.5	78-132				
trans-1,4-dichloro-2-butene	50.1		"	50.0		100	75-135				
Trichloroethylene	50.3		"	50.0		101	84-123				
Trichlorofluoromethane	65.5		"	50.0		131	62-140				
Vinyl acetate	41.1		"	50.0		82.3	67-136				
Vinyl Chloride	48.0		"	50.0		96.0	52-130				
Allyl chloride	45.7		"	50.0		91.5	70-130				
n-butyl acetate	55.8		"	50.0		112	70-130				
Chlorodifluoromethane (Freon 22)	78.5		"	50.0		157	70-130	High Bias			

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF30064 - EPA 5035A											
LCS (BF30064-BS1)								Prepared & Analyzed: 06/20/2023			
cis-decahydronaphthalene	51.0		ug/L	50.0		102	70-130				
trans-decahydronaphthalene	0.00		"	50.0			70-130	Low Bias			
n-Decane	32.8		"	50.0		65.7	70-130	Low Bias			
Ethyl Methacrylate	49.6		"	50.0		99.1	70-130				
n-Hexane	42.6		"	50.0		85.3	70-130				
Limonene	58.4		"	50.0		117	70-130				
Nitrobenzene	29.7		"	50.0		59.4	70-130	Low Bias			
n-Nonane	62.3		"	50.0		125	70-130				
n-octane	51.0		"	50.0		102	70-130				
n-undecane	53.0		"	50.0		106	70-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.0*		*"*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.5*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.2*		*"*	*50.0*		*96.5*	*76-130*				
LCS Dup (BF30064-BSD1)								Prepared & Analyzed: 06/20/2023			
1,1,1,2-Tetrachloroethane	50.4		ug/L	50.0		101	75-129		0.977	30	
1,1,1-Trichloroethane	49.7		"	50.0		99.5	71-137		2.03	30	
1,1,2,2-Tetrachloroethane	50.4		"	50.0		101	79-129		0.936	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	70.8		"	50.0		142	58-146		6.84	30	
1,1,2-Trichloroethane	51.0		"	50.0		102	83-123		2.77	30	
1,1-Dichloroethane	52.0		"	50.0		104	75-130		0.695	30	
1,1-Dichloroethylene	68.0		"	50.0		136	64-137		5.63	30	
1,1-Dichloropropylene	48.4		"	50.0		96.9	77-127		1.81	30	
1,2,3-Trichlorobenzene	44.0		"	50.0		88.0	81-140		0.318	30	
1,2,3-Trichloropropane	52.6		"	50.0		105	81-126		1.28	30	
1,2,4,5-Tetramethylbenzene	48.4		"	50.0		96.9	63-156		0.740	30	
1,2,4-Trichlorobenzene	44.3		"	50.0		88.6	80-141		1.23	30	
1,2,4-Trimethylbenzene	50.6		"	50.0		101	84-125		0.316	30	
1,2-Dibromo-3-chloropropane	41.1		"	50.0		82.1	74-142		0.930	30	
1,2-Dibromoethane	51.2		"	50.0		102	86-123		2.89	30	
1,2-Dichlorobenzene	49.6		"	50.0		99.2	85-122		0.543	30	
1,2-Dichloroethane	55.9		"	50.0		112	71-133		4.63	30	
1,2-Dichloropropane	54.5		"	50.0		109	81-122		1.57	30	
1,3,5-Trimethylbenzene	50.1		"	50.0		100	82-126		0.657	30	
1,3-Dichlorobenzene	49.1		"	50.0		98.3	84-124		0.507	30	
1,3-Dichloropropane	49.9		"	50.0		99.8	83-123		1.57	30	
1,4-Dichlorobenzene	48.0		"	50.0		95.9	84-124		0.753	30	
1,4-Dioxane	998		"	1050		95.0	10-228		1.59	30	
2,2-Dichloropropane	41.0		"	50.0		82.0	67-136		2.97	30	
2-Butanone	56.5		"	50.0		113	58-147		12.0	30	
2-Chloroethylvinyl ether	55.4		"	50.0		111	10-166		2.43	30	
2-Chlorotoluene	51.3		"	50.0		103	78-127		0.931	30	
2-Hexanone	61.8		"	50.0		124	70-139		4.09	30	
4-Chlorotoluene	52.2		"	50.0		104	79-125		0.992	30	
4-Methyl-2-pentanone	61.5		"	50.0		123	72-132		3.46	30	
Acetone	71.4		"	50.0		143	36-155		2.54	30	
Acrolein	63.9		"	125		51.1	10-238		2.23	30	
Acrylonitrile	56.6		"	50.0		113	66-141		5.54	30	
Benzene	52.8		"	50.0		106	77-127		2.18	30	
Bromobenzene	47.0		"	50.0		94.0	77-129		0.192	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF30064 - EPA 5035A											
LCS Dup (BF30064-BSD1)								Prepared & Analyzed: 06/20/2023			
Bromochloromethane	59.4		ug/L	50.0		119	74-129		2.87	30	
Bromodichloromethane	48.8		"	50.0		97.7	81-124		2.36	30	
Bromoform	40.8		"	50.0		81.6	80-136		3.49	30	
Bromomethane	69.9		"	50.0		140	32-177		5.36	30	
Carbon disulfide	68.7		"	50.0		137	10-136	High Bias	5.34	30	
Carbon tetrachloride	48.8		"	50.0		97.5	66-143		1.86	30	
Chlorobenzene	55.5		"	50.0		111	86-120		1.62	30	
Chloroethane	66.1		"	50.0		132	51-142		2.79	30	
Chloroform	51.2		"	50.0		102	76-131		3.30	30	
Chloromethane	45.2		"	50.0		90.3	49-132		4.44	30	
cis-1,2-Dichloroethylene	52.2		"	50.0		104	74-132		2.42	30	
cis-1,3-Dichloropropylene	49.3		"	50.0		98.6	81-129		2.23	30	
Cyclohexane	55.7		"	50.0		111	70-130		1.87	30	
Dibromochloromethane	50.2		"	50.0		100	10-200		2.32	30	
Dibromomethane	50.4		"	50.0		101	83-124		0.637	30	
Dichlorodifluoromethane	18.9		"	50.0		37.8	28-158		5.36	30	
Diisopropyl ether (DIPE)	60.8		"	50.0		122	70-130		3.58	30	
Ethanol	ND	0.080	mg/kg wet				70-130			30	
Ethyl Benzene	55.5		ug/L	50.0		111	84-125		0.342	30	
Ethyl Ether	7780		"	500		NR	70-130	High Bias	2.38	30	
Ethyl tert-butyl ether (ETBE)	52.3		"	50.0		105	70-130		4.58	30	
Hexachlorobutadiene	42.1		"	50.0		84.2	83-133		0.969	30	
Iodomethane	66.2		"	50.0		132	70-130	High Bias	5.65	30	
Isopropylbenzene	49.8		"	50.0		99.6	81-127		0.0402	30	
Methyl acetate	56.2		"	50.0		112	41-143		0.661	30	
Methyl Methacrylate	50.2		"	50.0		100	79-125		1.52	30	
Methyl tert-butyl ether (MTBE)	46.2		"	50.0		92.3	74-131		0.108	30	
Methylcyclohexane	49.7		"	50.0		99.4	70-130		0.281	30	
Methylene chloride	54.2		"	50.0		108	57-141		0.426	30	
Naphthalene	47.3		"	50.0		94.7	86-141		2.81	30	
n-Butylbenzene	52.6		"	50.0		105	80-130		1.13	30	
n-Propylbenzene	51.6		"	50.0		103	74-136		0.502	30	
o-Xylene	54.4		"	50.0		109	83-123		1.35	30	
p- & m- Xylenes	116		"	100		116	82-128		0.329	30	
p-Diethylbenzene	50.8		"	50.0		102	70-144		1.39	30	
p-Ethyltoluene	51.8		"	50.0		104	84-123		1.51	30	
p-Isopropyltoluene	50.7		"	50.0		101	85-125		1.37	30	
sec-Butylbenzene	50.3		"	50.0		101	83-125		0.258	30	
Styrene	52.6		"	50.0		105	86-126		2.83	30	
tert-Amyl alcohol (TAA)	410		"	500		82.0	70-130		4.87	30	
tert-Amyl methyl ether (TAME)	55.0		"	50.0		110	70-130		3.98	30	
tert-Butyl alcohol (TBA)	232		"	250		92.7	70-130		1.41	30	
tert-Butylbenzene	48.8		"	50.0		97.7	80-127		0.205	30	
Tetrachloroethylene	41.7		"	50.0		83.4	80-129		0.0480	30	
Tetrahydrofuran	60.0		"	50.0		120	64-137		6.27	30	
Toluene	53.1		"	50.0		106	85-121		0.794	30	
trans-1,2-Dichloroethylene	51.0		"	50.0		102	72-132		2.42	30	
trans-1,3-Dichloropropylene	46.7		"	50.0		93.3	78-132		0.947	30	
trans-1,4-dichloro-2-butene	50.8		"	50.0		102	75-135		1.47	30	
Trichloroethylene	50.3		"	50.0		101	84-123		0.0795	30	
Trichlorofluoromethane	62.5		"	50.0		125	62-140		4.65	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF30064 - EPA 5035A											
LCS Dup (BF30064-BSD1)								Prepared & Analyzed: 06/20/2023			
Vinyl acetate	40.6		ug/L	50.0		81.2	67-136		1.32	30	
Vinyl Chloride	45.8		"	50.0		91.6	52-130		4.71	30	
Allyl chloride	44.0		"	50.0		88.0	70-130		3.86	30	
n-butyl acetate	57.3		"	50.0		115	70-130		2.65	30	
Chlorodifluoromethane (Freon 22)	75.5		"	50.0		151	70-130	High Bias	3.99	30	
cis-decahydronaphthalene	51.0		"	50.0		102	70-130		0.0392	30	
trans-decahydronaphthalene	0.00		"	50.0			70-130	Low Bias		30	
n-Decane	32.9		"	50.0		65.8	70-130	Low Bias	0.213	30	
Ethyl Methacrylate	49.6		"	50.0		99.1	70-130		0.00	30	
n-Hexane	43.3		"	50.0		86.6	70-130		1.58	30	
Limonene	57.6		"	50.0		115	70-130		1.33	30	
Nitrobenzene	29.1		"	50.0		58.1	70-130	Low Bias	2.14	30	
n-Nonane	62.0		"	50.0		124	70-130		0.451	30	
n-octane	51.9		"	50.0		104	70-130		1.63	30	
n-undecane	52.3		"	50.0		105	70-130		1.37	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.8*		*"*	*50.0*		*106*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.2*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.1*		*"*	*50.0*		*94.2*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF31223 - EPA 3550C											
Blank (BF31223-BLK1)											
Prepared: 06/20/2023 Analyzed: 06/21/2023											
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	ND	0.0416	"								
1-Methylnaphthalene	ND	0.0830	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF31223 - EPA 3550C											
Blank (BF31223-BLK1)											
Prepared: 06/20/2023 Analyzed: 06/21/2023											
Bis(2-ethylhexyl)phthalate	ND	0.0416	mg/kg wet								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Cresols, total	ND	0.0830	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachloronitrobenzene	ND	0.0830	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Propargite	ND	0.166	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Resorcinol	ND	0.166	"								
Parathion	ND	0.0416	"								
Surrogate: SURR: 2-Fluorophenol	*1.45*		*"*	*1.66*		*87.3*	*20-108*				
Surrogate: SURR: Phenol-d6	*1.39*		*"*	*1.66*		*83.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.758*		*"*	*0.831*		*91.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.689*		*"*	*0.831*		*83.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.70*		*"*	*1.66*		*103*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.819*		*"*	*0.831*		*98.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF31223 - EPA 3550C											
LCS (BF31223-BS1)								Prepared: 06/20/2023 Analyzed: 06/21/2023			
1,1-Biphenyl	0.614	0.0416	mg/kg wet	0.831		73.9	18-111				
1,2,4,5-Tetrachlorobenzene	0.751	0.0830	"	0.831		90.5	21-131				
1,2,4-Trichlorobenzene	0.659	0.0416	"	0.831		79.4	10-140				
1,2-Dichlorobenzene	0.588	0.0416	"	0.831		70.8	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.554	0.0416	"	0.831		66.7	17-137				
1,3-Dichlorobenzene	0.571	0.0416	"	0.831		68.7	33-110				
1,4-Dichlorobenzene	0.580	0.0416	"	0.831		69.8	32-104				
1-Methylnaphthalene	0.627	0.0830	"	0.831		75.5	40-140				
2,3,4,6-Tetrachlorophenol	0.720	0.0830	"	0.831		86.7	30-130				
2,4,5-Trichlorophenol	0.704	0.0416	"	0.831		84.8	27-118				
2,4,6-Trichlorophenol	0.669	0.0416	"	0.831		80.5	31-120				
2,4-Dichlorophenol	0.712	0.0416	"	0.831		85.7	20-127				
2,4-Dimethylphenol	0.594	0.0416	"	0.831		71.6	14-132				
2,4-Dinitrophenol	1.50	0.0830	"	0.831		180	10-171	High Bias			
2,4-Dinitrotoluene	0.841	0.0416	"	0.831		101	34-131				
2,6-Dinitrotoluene	0.829	0.0416	"	0.831		99.8	31-128				
2-Chloronaphthalene	0.623	0.0416	"	0.831		75.0	31-117				
2-Chlorophenol	0.631	0.0416	"	0.831		75.9	33-113				
2-Methylnaphthalene	0.631	0.0416	"	0.831		76.0	12-138				
2-Methylphenol	0.641	0.0416	"	0.831		77.2	10-136				
2-Nitroaniline	0.784	0.0830	"	0.831		94.4	27-132				
2-Nitrophenol	0.838	0.0416	"	0.831		101	17-129				
3- & 4-Methylphenols	0.577	0.0416	"	0.831		69.5	29-103				
3,3-Dichlorobenzidine	0.492	0.0416	"	0.831		59.2	22-149				
3-Nitroaniline	0.640	0.0830	"	0.831		77.0	20-133				
4,6-Dinitro-2-methylphenol	1.27	0.0830	"	0.831		152	10-143	High Bias			
4-Bromophenyl phenyl ether	0.670	0.0416	"	0.831		80.7	29-120				
4-Chloro-3-methylphenol	0.706	0.0416	"	0.831		85.0	24-129				
4-Chloroaniline	0.481	0.0416	"	0.831		57.9	10-132				
4-Chlorophenyl phenyl ether	0.641	0.0416	"	0.831		77.2	27-124				
4-Nitroaniline	0.654	0.0830	"	0.831		78.7	16-128				
4-Nitrophenol	0.675	0.0830	"	0.831		81.3	10-141				
Acenaphthene	0.614	0.0416	"	0.831		73.9	30-121				
Acenaphthylene	0.600	0.0416	"	0.831		72.3	30-115				
Acetophenone	0.572	0.0416	"	0.831		68.8	20-112				
Aniline	0.423	0.166	"	0.831		51.0	10-119				
Anthracene	0.649	0.0416	"	0.831		78.1	34-118				
Atrazine	0.670	0.0416	"	0.831		80.6	26-112				
Benzaldehyde	0.532	0.0416	"	0.831		64.1	21-100				
Benzo(a)anthracene	0.697	0.0416	"	0.831		83.9	32-122				
Benzo(a)pyrene	0.578	0.0416	"	0.831		69.6	29-133				
Benzo(b)fluoranthene	0.653	0.0416	"	0.831		78.6	25-133				
Benzo(g,h,i)perylene	0.684	0.0416	"	0.831		82.3	10-143				
Benzo(k)fluoranthene	0.580	0.0416	"	0.831		69.8	25-128				
Benzoic acid	0.643	0.0416	"	0.831		77.4	10-140				
Benzyl alcohol	0.631	0.0416	"	0.831		76.0	30-115				
Benzyl butyl phthalate	0.790	0.0416	"	0.831		95.1	26-126				
Bis(2-chloroethoxy)methane	0.611	0.0416	"	0.831		73.6	19-132				
Bis(2-chloroethyl)ether	0.580	0.0416	"	0.831		69.8	19-125				
Bis(2-chloroisopropyl)ether	0.503	0.0416	"	0.831		60.6	20-135				
Bis(2-ethylhexyl)phthalate	0.706	0.0416	"	0.831		85.0	10-155				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF31223 - EPA 3550C											
LCS (BF31223-BS1)											
Prepared: 06/20/2023 Analyzed: 06/21/2023											
Caprolactam	0.741	0.0830	mg/kg wet	0.831		89.2	10-127				
Carbazole	0.654	0.0416	"	0.831		78.8	35-123				
Chrysene	0.640	0.0416	"	0.831		77.0	32-123				
Cresols, total	1.22	0.0830	"	1.66		73.3	30-130				
Dibenzo(a,h)anthracene	0.735	0.0416	"	0.831		88.5	10-136				
Dibenzofuran	0.638	0.0416	"	0.831		76.8	29-121				
Diethyl phthalate	0.629	0.0416	"	0.831		75.8	34-116				
Dimethyl phthalate	0.646	0.0416	"	0.831		77.8	35-124				
Di-n-butyl phthalate	0.699	0.0416	"	0.831		84.2	31-116				
Di-n-octyl phthalate	0.799	0.0416	"	0.831		96.2	26-136				
Diphenylamine	0.763	0.0830	"	0.831		91.9	40-140				
Fluoranthene	0.629	0.0416	"	0.831		75.8	33-122				
Fluorene	0.637	0.0416	"	0.831		76.7	29-123				
Hexachlorobenzene	0.621	0.0416	"	0.831		74.7	21-124				
Hexachlorobutadiene	0.676	0.0416	"	0.831		81.4	10-149				
Hexachlorocyclopentadiene	0.519	0.0416	"	0.831		62.4	10-129				
Hexachloroethane	0.576	0.0416	"	0.831		69.4	28-108				
Indeno(1,2,3-cd)pyrene	0.726	0.0416	"	0.831		87.4	10-135				
Isophorone	0.654	0.0416	"	0.831		78.8	20-132				
Naphthalene	0.619	0.0416	"	0.831		74.5	23-124				
Nitrobenzene	0.636	0.0416	"	0.831		76.6	13-132				
N-Nitrosodimethylamine	0.568	0.0416	"	0.831		68.4	11-129				
N-nitroso-di-n-propylamine	0.583	0.0416	"	0.831		70.2	24-119				
N-Nitrosodiphenylamine	0.733	0.0416	"	0.831		88.2	22-152				
Pentachloronitrobenzene	0.558	0.0830	"	0.831		67.2	40-140				
Pentachlorophenol	0.722	0.0416	"	0.831		87.0	10-139				
Phenanthrene	0.642	0.0416	"	0.831		77.3	33-123				
Phenol	0.620	0.0416	"	0.831		74.6	23-115				
Pyrene	0.725	0.0416	"	0.831		87.2	24-130				
Pyridine	0.434	0.166	"	0.831		52.2	10-91				
Surrogate: SURR: 2-Fluorophenol	*1.26*		*"*	*1.66*		*75.6*	*20-108*				
Surrogate: SURR: Phenol-d6	*1.20*		*"*	*1.66*		*72.3*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.640*		*"*	*0.831*		*77.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.601*		*"*	*0.831*		*72.4*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.48*		*"*	*1.66*		*88.9*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.697*		*"*	*0.831*		*83.9*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Batch BF31223 - EPA 3550C

Matrix Spike (BF31223-MS1) *Source sample: 23F1188-01 (LP_002) Prepared: 06/20/2023 Analyzed: 06/21/2023

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.681	0.0831	mg/kg dry	0.830	ND	82.1	10-130				
1,2,4,5-Tetrachlorobenzene	0.835	0.166	"	0.830	ND	101	10-133				
1,2,4-Trichlorobenzene	0.741	0.0831	"	0.830	ND	89.3	10-127				
1,2-Dichlorobenzene	0.643	0.0831	"	0.830	ND	77.4	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.620	0.0831	"	0.830	ND	74.6	10-144				
1,3-Dichlorobenzene	0.639	0.0831	"	0.830	ND	77.0	11-111				
1,4-Dichlorobenzene	0.651	0.0831	"	0.830	ND	78.5	10-106				
1-Methylnaphthalene	0.681	0.166	"	0.830	ND	82.0	40-140				
2,3,4,6-Tetrachlorophenol	0.804	0.166	"	0.830	ND	96.9	30-130				
2,4,5-Trichlorophenol	0.772	0.0831	"	0.830	ND	93.0	10-127				
2,4,6-Trichlorophenol	0.787	0.0831	"	0.830	ND	94.8	10-132				
2,4-Dichlorophenol	0.784	0.0831	"	0.830	ND	94.4	10-128				
2,4-Dimethylphenol	0.649	0.0831	"	0.830	ND	78.2	10-137				
2,4-Dinitrophenol	1.70	0.166	"	0.830	ND	204	10-171	High Bias			
2,4-Dinitrotoluene	0.910	0.0831	"	0.830	ND	110	16-135				
2,6-Dinitrotoluene	0.915	0.0831	"	0.830	ND	110	18-131				
2-Chloronaphthalene	0.685	0.0831	"	0.830	ND	82.6	10-129				
2-Chlorophenol	0.705	0.0831	"	0.830	ND	85.0	15-116				
2-Methylnaphthalene	0.691	0.0831	"	0.830	ND	83.3	10-147				
2-Methylphenol	0.708	0.0831	"	0.830	ND	85.3	10-136				
2-Nitroaniline	0.866	0.166	"	0.830	ND	104	10-137				
2-Nitrophenol	0.910	0.0831	"	0.830	ND	110	10-129				
3- & 4-Methylphenols	0.617	0.0831	"	0.830	ND	74.3	10-123				
3,3-Dichlorobenzidine	0.384	0.0831	"	0.830	ND	46.2	10-155				
3-Nitroaniline	0.661	0.166	"	0.830	ND	79.7	12-133				
4,6-Dinitro-2-methylphenol	1.33	0.166	"	0.830	ND	160	10-155	High Bias			
4-Bromophenyl phenyl ether	0.762	0.0831	"	0.830	ND	91.8	14-128				
4-Chloro-3-methylphenol	0.764	0.0831	"	0.830	ND	92.1	10-134				
4-Chloroaniline	0.579	0.0831	"	0.830	ND	69.8	10-145				
4-Chlorophenyl phenyl ether	0.694	0.0831	"	0.830	ND	83.6	14-130				
4-Nitroaniline	0.641	0.166	"	0.830	ND	77.2	10-147				
4-Nitrophenol	0.742	0.166	"	0.830	ND	89.4	10-137				
Acenaphthene	0.683	0.0831	"	0.830	ND	82.2	10-146				
Acenaphthylene	0.657	0.0831	"	0.830	ND	79.2	10-134				
Acetophenone	0.628	0.0831	"	0.830	ND	75.7	10-116				
Aniline	0.366	0.333	"	0.830	ND	44.1	10-123				
Anthracene	0.723	0.0831	"	0.830	ND	87.1	10-142				
Atrazine	0.735	0.0831	"	0.830	ND	88.6	19-115				
Benzaldehyde	0.562	0.0831	"	0.830	ND	67.8	10-125				
Benzo(a)anthracene	0.795	0.0831	"	0.830	ND	95.8	10-158				
Benzo(a)pyrene	0.719	0.0831	"	0.830	ND	86.6	10-180				
Benzo(b)fluoranthene	0.798	0.0831	"	0.830	ND	96.1	10-200				
Benzo(g,h,i)perylene	0.800	0.0831	"	0.830	ND	96.4	10-138				
Benzo(k)fluoranthene	0.729	0.0831	"	0.830	ND	87.8	10-197				
Benzoic acid	1.20	0.0831	"	0.830	ND	144	10-166				
Benzyl alcohol	0.687	0.0831	"	0.830	ND	82.8	12-124				
Benzyl butyl phthalate	0.908	0.0831	"	0.830	ND	109	10-154				
Bis(2-chloroethoxy)methane	0.672	0.0831	"	0.830	ND	81.0	10-132				
Bis(2-chloroethyl)ether	0.645	0.0831	"	0.830	ND	77.8	10-119				
Bis(2-chloroisopropyl)ether	0.565	0.0831	"	0.830	ND	68.1	10-139				
Bis(2-ethylhexyl)phthalate	0.822	0.0831	"	0.830	ND	99.0	10-167				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF31223 - EPA 3550C											
Matrix Spike (BF31223-MS1)	*Source sample: 23F1188-01 (LP_002)								Prepared: 06/20/2023 Analyzed: 06/21/2023		
Caprolactam	0.803	0.166	mg/kg dry	0.830	ND	96.7	10-132				
Carbazole	0.728	0.0831	"	0.830	ND	87.7	10-167				
Chrysene	0.733	0.0831	"	0.830	ND	88.3	10-156				
Cresols, total	1.32	0.166	"	1.66	ND	79.8	30-130				
Dibenzo(a,h)anthracene	0.821	0.0831	"	0.830	ND	98.9	10-137				
Dibenzofuran	0.700	0.0831	"	0.830	ND	84.3	10-147				
Diethyl phthalate	0.695	0.0831	"	0.830	ND	83.8	20-120				
Dimethyl phthalate	0.707	0.0831	"	0.830	ND	85.1	18-131				
Di-n-butyl phthalate	0.784	0.0831	"	0.830	ND	94.4	10-137				
Di-n-octyl phthalate	0.962	0.0831	"	0.830	ND	116	10-180				
Diphenylamine	0.855	0.166	"	0.830	ND	103	40-140				
Fluoranthene	0.702	0.0831	"	0.830	ND	84.6	10-160				
Fluorene	0.691	0.0831	"	0.830	ND	83.2	10-157				
Hexachlorobenzene	0.705	0.0831	"	0.830	ND	84.9	10-137				
Hexachlorobutadiene	0.754	0.0831	"	0.830	ND	90.9	10-132				
Hexachlorocyclopentadiene	0.532	0.0831	"	0.830	ND	64.1	10-106				
Hexachloroethane	0.639	0.0831	"	0.830	ND	77.0	10-110				
Indeno(1,2,3-cd)pyrene	0.848	0.0831	"	0.830	ND	102	10-144				
Isophorone	0.709	0.0831	"	0.830	ND	85.4	10-132				
Naphthalene	0.685	0.0831	"	0.830	ND	82.5	10-141				
Nitrobenzene	0.693	0.0831	"	0.830	ND	83.4	10-131				
N-Nitrosodimethylamine	0.634	0.0831	"	0.830	ND	76.4	10-126				
N-nitroso-di-n-propylamine	0.628	0.0831	"	0.830	ND	75.6	10-125				
N-Nitrosodiphenylamine	0.825	0.0831	"	0.830	ND	99.4	10-177				
Pentachloronitrobenzene	0.628	0.166	"	0.830	ND	75.7	40-140				
Pentachlorophenol	0.850	0.0831	"	0.830	ND	102	10-153				
Phenanthrene	0.713	0.0831	"	0.830	ND	85.9	10-148				
Phenol	0.675	0.0831	"	0.830	ND	81.3	10-126				
Pyrene	0.805	0.0831	"	0.830	ND	97.0	10-165				
Pyridine	0.482	0.333	"	0.830	ND	58.1	10-83				
Surrogate: SURR: 2-Fluorophenol	*1.35*		*"*	*1.66*		*81.5*	*20-108*				
Surrogate: SURR: Phenol-d6	*1.30*		*"*	*1.66*		*78.3*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.707*		*"*	*0.830*		*85.1*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.651*		*"*	*0.830*		*78.4*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.64*		*"*	*1.66*		*98.7*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.766*		*"*	*0.830*		*92.3*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF31223 - EPA 3550C											
Matrix Spike Dup (BF31223-MSD1)	*Source sample: 23F1188-01 (LP_002)								Prepared: 06/20/2023 Analyzed: 06/21/2023		
1,1-Biphenyl	0.621	0.0836	mg/kg dry	0.836	ND	74.3	10-130		9.27	30	
1,2,4,5-Tetrachlorobenzene	0.762	0.167	"	0.836	ND	91.2	10-133		9.19	30	
1,2,4-Trichlorobenzene	0.680	0.0836	"	0.836	ND	81.4	10-127		8.53	30	
1,2-Dichlorobenzene	0.600	0.0836	"	0.836	ND	71.8	14-111		6.96	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.560	0.0836	"	0.836	ND	67.0	10-144		10.1	30	
1,3-Dichlorobenzene	0.587	0.0836	"	0.836	ND	70.2	11-111		8.48	30	
1,4-Dichlorobenzene	0.600	0.0836	"	0.836	ND	71.8	10-106		8.18	30	
1-Methylnaphthalene	0.646	0.167	"	0.836	ND	77.4	40-140		5.17	30	
2,3,4,6-Tetrachlorophenol	0.737	0.167	"	0.836	ND	88.2	30-130		8.77	30	
2,4,5-Trichlorophenol	0.725	0.0836	"	0.836	ND	86.8	10-127		6.28	30	
2,4,6-Trichlorophenol	0.672	0.0836	"	0.836	ND	80.5	10-132		15.7	30	
2,4-Dichlorophenol	0.729	0.0836	"	0.836	ND	87.2	10-128		7.27	30	
2,4-Dimethylphenol	0.614	0.0836	"	0.836	ND	73.5	10-137		5.57	30	
2,4-Dinitrophenol	1.49	0.167	"	0.836	ND	178	10-171	High Bias	13.0	30	
2,4-Dinitrotoluene	0.851	0.0836	"	0.836	ND	102	16-135		6.76	30	
2,6-Dinitrotoluene	0.861	0.0836	"	0.836	ND	103	18-131		6.10	30	
2-Chloronaphthalene	0.634	0.0836	"	0.836	ND	75.8	10-129		7.83	30	
2-Chlorophenol	0.653	0.0836	"	0.836	ND	78.2	15-116		7.68	30	
2-Methylnaphthalene	0.647	0.0836	"	0.836	ND	77.4	10-147		6.61	30	
2-Methylphenol	0.666	0.0836	"	0.836	ND	79.7	10-136		6.13	30	
2-Nitroaniline	0.797	0.167	"	0.836	ND	95.4	10-137		8.24	30	
2-Nitrophenol	0.868	0.0836	"	0.836	ND	104	10-129		4.74	30	
3- & 4-Methylphenols	0.578	0.0836	"	0.836	ND	69.2	10-123		6.48	30	
3,3-Dichlorobenzidine	0.343	0.0836	"	0.836	ND	41.0	10-155		11.3	30	
3-Nitroaniline	0.646	0.167	"	0.836	ND	77.3	12-133		2.40	30	
4,6-Dinitro-2-methylphenol	1.12	0.167	"	0.836	ND	134	10-155		17.6	30	
4-Bromophenyl phenyl ether	0.684	0.0836	"	0.836	ND	81.8	14-128		10.8	30	
4-Chloro-3-methylphenol	0.745	0.0836	"	0.836	ND	89.2	10-134		2.52	30	
4-Chloroaniline	0.652	0.0836	"	0.836	ND	78.1	10-145		11.9	30	
4-Chlorophenyl phenyl ether	0.656	0.0836	"	0.836	ND	78.6	14-130		5.56	30	
4-Nitroaniline	0.627	0.167	"	0.836	ND	75.0	10-147		2.18	30	
4-Nitrophenol	0.716	0.167	"	0.836	ND	85.7	10-137		3.55	30	
Acenaphthene	0.632	0.0836	"	0.836	ND	75.6	10-146		7.76	30	
Acenaphthylene	0.612	0.0836	"	0.836	ND	73.3	10-134		7.11	30	
Acetophenone	0.572	0.0836	"	0.836	ND	68.4	10-116		9.45	30	
Aniline	0.388	0.335	"	0.836	ND	46.5	10-123		5.96	30	
Anthracene	0.670	0.0836	"	0.836	ND	80.2	10-142		7.67	30	
Atrazine	0.680	0.0836	"	0.836	ND	81.4	19-115		7.82	30	
Benzaldehyde	0.554	0.0836	"	0.836	ND	66.3	10-125		1.49	30	
Benzo(a)anthracene	0.743	0.0836	"	0.836	ND	89.0	10-158		6.71	30	
Benzo(a)pyrene	0.666	0.0836	"	0.836	ND	79.8	10-180		7.52	30	
Benzo(b)fluoranthene	0.730	0.0836	"	0.836	ND	87.4	10-200		8.85	30	
Benzo(g,h,i)perylene	0.717	0.0836	"	0.836	ND	85.8	10-138		11.0	30	
Benzo(k)fluoranthene	0.699	0.0836	"	0.836	ND	83.7	10-197		4.20	30	
Benzoic acid	1.22	0.0836	"	0.836	ND	146	10-166		1.54	30	
Benzyl alcohol	0.632	0.0836	"	0.836	ND	75.7	12-124		8.33	30	
Benzyl butyl phthalate	0.821	0.0836	"	0.836	ND	98.2	10-154		10.1	30	
Bis(2-chloroethoxy)methane	0.628	0.0836	"	0.836	ND	75.1	10-132		6.83	30	
Bis(2-chloroethyl)ether	0.592	0.0836	"	0.836	ND	70.9	10-119		8.60	30	
Bis(2-chloroisopropyl)ether	0.516	0.0836	"	0.836	ND	61.8	10-139		9.08	30	
Bis(2-ethylhexyl)phthalate	0.777	0.0836	"	0.836	ND	93.0	10-167		5.68	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF31223 - EPA 3550C											
Matrix Spike Dup (BF31223-MSD1)	*Source sample: 23F1188-01 (LP_002)								Prepared: 06/20/2023 Analyzed: 06/21/2023		
Caprolactam	0.769	0.167	mg/kg dry	0.836	ND	92.1	10-132		4.26	30	
Carbazole	0.695	0.0836	"	0.836	ND	83.2	10-167		4.59	30	
Chrysene	0.683	0.0836	"	0.836	ND	81.8	10-156		7.06	30	
Cresols, total	1.24	0.167	"	1.67	ND	74.4	30-130		6.30	30	
Dibenzo(a,h)anthracene	0.766	0.0836	"	0.836	ND	91.7	10-137		6.90	30	
Dibenzofuran	0.647	0.0836	"	0.836	ND	77.4	10-147		7.85	30	
Diethyl phthalate	0.651	0.0836	"	0.836	ND	77.9	20-120		6.57	30	
Dimethyl phthalate	0.651	0.0836	"	0.836	ND	77.9	18-131		8.18	30	
Di-n-butyl phthalate	0.741	0.0836	"	0.836	ND	88.6	10-137		5.64	30	
Di-n-octyl phthalate	0.900	0.0836	"	0.836	ND	108	10-180		6.72	30	
Diphenylamine	0.773	0.167	"	0.836	ND	92.6	40-140		9.98	30	
Fluoranthene	0.691	0.0836	"	0.836	ND	82.7	10-160		1.54	30	
Fluorene	0.649	0.0836	"	0.836	ND	77.7	10-157		6.21	30	
Hexachlorobenzene	0.635	0.0836	"	0.836	ND	76.0	10-137		10.4	30	
Hexachlorobutadiene	0.686	0.0836	"	0.836	ND	82.1	10-132		9.52	30	
Hexachlorocyclopentadiene	0.429	0.0836	"	0.836	ND	51.4	10-106		21.4	30	
Hexachloroethane	0.584	0.0836	"	0.836	ND	69.8	10-110		9.15	30	
Indeno(1,2,3-cd)pyrene	0.760	0.0836	"	0.836	ND	91.0	10-144		10.9	30	
Isophorone	0.669	0.0836	"	0.836	ND	80.1	10-132		5.73	30	
Naphthalene	0.627	0.0836	"	0.836	ND	75.0	10-141		8.79	30	
Nitrobenzene	0.654	0.0836	"	0.836	ND	78.2	10-131		5.78	30	
N-Nitrosodimethylamine	0.591	0.0836	"	0.836	ND	70.7	10-126		7.07	30	
N-nitroso-di-n-propylamine	0.582	0.0836	"	0.836	ND	69.7	10-125		7.50	30	
N-Nitrosodiphenylamine	0.752	0.0836	"	0.836	ND	90.0	10-177		9.23	30	
Pentachloronitrobenzene	0.576	0.167	"	0.836	ND	69.0	40-140		8.64	30	
Pentachlorophenol	0.781	0.0836	"	0.836	ND	93.5	10-153		8.41	30	
Phenanthrene	0.657	0.0836	"	0.836	ND	78.6	10-148		8.19	30	
Phenol	0.630	0.0836	"	0.836	ND	75.4	10-126		6.90	30	
Pyrene	0.711	0.0836	"	0.836	ND	85.0	10-165		12.5	30	
Pyridine	0.419	0.335	"	0.836	ND	50.2	10-83		14.0	30	
Surrogate: SURR: 2-Fluorophenol	*1.26*		"	*1.67*		*75.4*	*20-108*				
Surrogate: SURR: Phenol-d6	*1.22*		"	*1.67*		*73.1*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.673*		"	*0.836*		*80.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.610*		"	*0.836*		*73.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.52*		"	*1.67*		*91.2*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.674*		"	*0.836*		*80.6*	*24-116*				

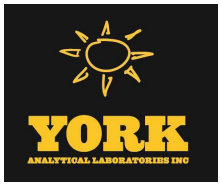
Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF31329 - EPA 3550C											
Blank (BF31329-BLK1)									Prepared: 06/21/2023 Analyzed: 06/23/2023		
1,4-Dioxane	ND	0.0198	mg/kg								
Surrogate: 1,4-Dioxane-d8	*0.374*		"	*0.495*		*75.5*	*39-127.5*				
LCS (BF31329-BS1)									Prepared: 06/21/2023 Analyzed: 06/23/2023		
1,4-Dioxane	0.527	0.0198	mg/kg	0.495		106	40-130				
Surrogate: 1,4-Dioxane-d8	*0.508*		"	*0.495*		*103*	*39-127.5*				
Matrix Spike (BF31329-MS1)	*Source sample: 23F1188-01 (LP_002)								Prepared: 06/21/2023 Analyzed: 06/23/2023		
1,4-Dioxane	0.494	0.0198	mg/kg	0.495	ND	99.8	40-130				
Surrogate: 1,4-Dioxane-d8	*0.333*		"	*0.495*		*67.3*	*40-130*				
Matrix Spike Dup (BF31329-MSD1)	*Source sample: 23F1188-01 (LP_002)								Prepared: 06/21/2023 Analyzed: 06/23/2023		
1,4-Dioxane	0.912	0.0198	mg/kg	0.495	ND	184	40-130	High Bias	59.4	30	Non-dir.
Surrogate: 1,4-Dioxane-d8	*0.106*		"	*0.495*		*21.3*	*40-130*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF31337 - EPA 1633 Prep											
Blank (BF31337-BLK1)											
Prepared: 06/21/2023 Analyzed: 06/23/2023											
Perfluorobutanesulfonic acid (PFBS)	ND	0.175	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.198	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.198	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.181	"								
Perfluorooctanoic acid (PFOA)	ND	0.198	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.184	"								
Perfluorononanoic acid (PFNA)	ND	0.198	"								
Perfluorodecanoic acid (PFDA)	ND	0.198	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.198	"								
Perfluorododecanoic acid (PFDoA)	ND	0.198	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.198	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.198	"								
N-MeFOSAA	ND	0.198	"								
N-EtFOSAA	ND	0.198	"								
Perfluoropentanoic acid (PFPeA)	ND	0.395	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.198	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.198	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.191	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	0.751	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	0.759	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.791	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.352	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.395	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.395	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.395	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	0.186	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	0.741	"								
HFPO-DA (Gen-X)	ND	0.791	"								
11CL-PF3OUdS	ND	0.747	"								
9CL-PF3ONS	ND	0.739	"								
ADONA	ND	0.747	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	0.192	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	0.190	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	0.988	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	4.94	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	4.94	"								
N-MeFOSE	ND	1.98	"								
N-MeFOSA	ND	0.198	"								
N-EtFOSE	ND	1.98	"								
N-EtFOSA	ND	0.198	"								
Surrogate: M3PFBS	*2.30*		"	*2.30*		*99.9*	*25-150*				
Surrogate: M5PFHxA	*2.79*		"	*2.47*		*113*	*25-150*				
Surrogate: M4PFHpA	*3.05*		"	*2.47*		*123*	*25-150*				
Surrogate: M3PFHxS	*1.69*		"	*2.34*		*72.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*2.09*		"	*2.47*		*84.4*	*25-150*				
Surrogate: M6PFDA	*0.742*		"	*1.24*		*60.0*	*25-150*				
Surrogate: M7PFUdA	*0.825*		"	*1.24*		*66.8*	*25-150*				

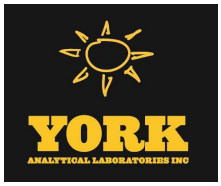
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF31337 - EPA 1633 Prep											
Blank (BF31337-BLK1)								Prepared: 06/21/2023 Analyzed: 06/23/2023			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*0.626*		*ug/kg wet*	*1.24*		*50.6*	*25-150*				
Surrogate: M2PFTeDA	*0.583*		*"*	*1.24*		*47.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*11.0*		*"*	*9.88*		*112*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*1.41*		*"*	*2.37*		*59.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.96*		*"*	*4.94*		*121*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*1.43*		*"*	*2.47*		*57.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.51*		*"*	*4.94*		*50.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.89*		*"*	*4.94*		*58.4*	*25-150*				
Surrogate: M2-6:2 FTS	*3.04*		*"*	*4.70*		*64.8*	*25-200*				
Surrogate: M2-8:2 FTS	*3.26*		*"*	*4.74*		*68.7*	*25-200*				
Surrogate: M9PFNA	*0.605*		*"*	*1.24*		*49.0*	*25-150*				
Surrogate: M2-4:2 FTS	*4.06*		*"*	*4.63*		*87.6*	*25-150*				
Surrogate: d-N-MeFOSA	*1.02*		*"*	*2.47*		*41.2*	*25-150*				
Surrogate: d-N-EtFOSA	*1.69*		*"*	*2.47*		*68.3*	*25-150*				
Surrogate: M3HFPO-DA	*11.2*		*"*	*9.88*		*114*	*25-150*				
Surrogate: d9-N-EtFOSE	*12.5*		*"*	*24.7*		*50.7*	*25-150*				
Surrogate: d7-N-MeFOSE	*14.5*		*"*	*24.7*		*58.9*	*25-150*				
LCS (BF31337-BS1)								Prepared: 06/21/2023 Analyzed: 06/23/2023			
Perfluorobutanesulfonic acid (PFBS)	4.01	0.175	ug/kg wet	3.50		115	50-150				
Perfluorohexanoic acid (PFHxA)	4.40	0.198	"	3.95		111	50-150				
Perfluoroheptanoic acid (PFHpA)	3.36	0.198	"	3.95		85.0	50-150				
Perfluorohexanesulfonic acid (PFHxS)	4.17	0.181	"	3.62		115	50-150				
Perfluorooctanoic acid (PFOA)	4.33	0.198	"	3.95		110	50-150				
Perfluorooctanesulfonic acid (PFOS)	3.56	0.184	"	3.68		96.8	50-150				
Perfluorononanoic acid (PFNA)	3.69	0.198	"	3.95		93.5	50-150				
Perfluorodecanoic acid (PFDA)	3.55	0.198	"	3.95		89.8	50-150				
Perfluoroundecanoic acid (PFUnA)	5.67	0.198	"	3.95		144	50-150				
Perfluorododecanoic acid (PFDoA)	4.72	0.198	"	3.95		119	50-150				
Perfluorotridecanoic acid (PFTrDA)	5.36	0.198	"	3.95		136	50-150				
Perfluorotetradecanoic acid (PFTA)	4.13	0.198	"	3.95		105	50-150				
N-MeFOSAA	5.45	0.198	"	3.95		138	50-150				
N-EtFOSAA	3.69	0.198	"	3.95		93.3	50-150				
Perfluoropentanoic acid (PFPeA)	9.23	0.395	"	7.91		117	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.03	0.198	"	3.95		102	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.79	0.198	"	3.77		180	50-150	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	4.87	0.191	"	3.81		128	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	18.6	0.751	"	15.0		124	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	20.0	0.759	"	15.2		132	50-150				
Perfluoro-n-butanoic acid (PFBA)	17.9	0.791	"	15.8		113	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	10.4	0.352	"	7.04		147	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	9.84	0.395	"	7.91		125	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	10.3	0.395	"	7.91		130	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	9.34	0.395	"	7.91		118	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	5.20	0.186	"	3.72		140	50-150				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF31337 - EPA 1633 Prep											
LCS (BF31337-BS1)								Prepared: 06/21/2023 Analyzed: 06/23/2023			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	19.1	0.741	ug/kg wet	14.8		129	50-150				
HFPO-DA (Gen-X)	10.1	0.791	"	7.91		128	50-150				
11CL-PF3OUdS	4.76	0.747	"	7.47		63.7	50-150				
9CL-PF3ONS	5.75	0.739	"	7.39		77.8	50-150				
ADONA	10.3	0.747	"	7.47		138	50-150				
Perfluorododecanesulfonic acid (PFDoS)	2.98	0.192	"	3.83		77.6	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	5.60	0.190	"	3.79		148	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	80.4	0.988	"	15.8		508	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	134	4.94	"	79.1		169	50-150	High Bias			
3-Perfluoroheptyl propanoic acid (FHpPA)	23.2	4.94	"	79.1		29.4	50-150	Low Bias			
N-MeFOSE	47.0	1.98	"	39.5		119	50-150				
N-MeFOSA	5.43	0.198	"	3.95		137	50-150				
N-EtFOSE	40.7	1.98	"	39.5		103	50-150				
N-EtFOSA	2.96	0.198	"	3.95		75.0	50-150				
Surrogate: M3PFBS	*1.77*		"	*2.30*		*77.0*	*25-150*				
Surrogate: M5PFHxA	*2.34*		"	*2.47*		*94.5*	*25-150*				
Surrogate: M4PFHpA	*2.38*		"	*2.47*		*96.2*	*25-150*				
Surrogate: M3PFHxS	*1.66*		"	*2.34*		*70.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*1.74*		"	*2.47*		*70.3*	*25-150*				
Surrogate: M6PFDA	*0.739*		"	*1.24*		*59.8*	*25-150*				
Surrogate: M7PFUdA	*0.454*		"	*1.24*		*36.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*0.415*		"	*1.24*		*33.6*	*25-150*				
Surrogate: M2PFTeDA	*0.394*		"	*1.24*		*31.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*8.14*		"	*9.88*		*82.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*1.04*		"	*2.37*		*43.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.48*		"	*4.94*		*90.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*1.22*		"	*2.47*		*49.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.08*		"	*4.94*		*42.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.01*		"	*4.94*		*40.7*	*25-150*				
Surrogate: M2-6:2 FTS	*3.64*		"	*4.70*		*77.4*	*25-200*				
Surrogate: M2-8:2 FTS	*2.53*		"	*4.74*		*53.3*	*25-200*				
Surrogate: M9PFNA	*0.620*		"	*1.24*		*50.2*	*25-150*				
Surrogate: M2-4:2 FTS	*3.45*		"	*4.63*		*74.4*	*25-150*				
Surrogate: d-N-MeFOSA	*0.928*		"	*2.47*		*37.6*	*25-150*				
Surrogate: d-N-EtFOSA	*1.56*		"	*2.47*		*63.3*	*25-150*				
Surrogate: M3HFPO-DA	*8.43*		"	*9.88*		*85.3*	*25-150*				
Surrogate: d9-N-EtFOSE	*8.72*		"	*24.7*		*35.3*	*25-150*				
Surrogate: d7-N-MeFOSE	*9.47*		"	*24.7*		*38.3*	*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 BF31337 - EPA 1633 Prep											
LCS (BF31337-BS2)								Prepared: 06/21/2023 Analyzed: 06/23/2023			
Perfluorobutanesulfonic acid (PFBS)	0.906	0.175	ug/kg wet	0.700		130	50-150				
Perfluorohexanoic acid (PFHxA)	1.03	0.198	"	0.791		131	50-150				
Perfluoroheptanoic acid (PFHpA)	0.960	0.198	"	0.791		121	50-150				
Perfluorohexanesulfonic acid (PFHxS)	0.822	0.181	"	0.723		114	50-150				
Perfluorooctanoic acid (PFOA)	0.834	0.198	"	0.791		106	50-150				
Perfluorooctanesulfonic acid (PFOS)	0.667	0.184	"	0.735		90.7	50-150				
Perfluorononanoic acid (PFNA)	0.735	0.198	"	0.791		93.0	50-150				
Perfluorodecanoic acid (PFDA)	0.734	0.198	"	0.791		92.8	50-150				
Perfluoroundecanoic acid (PFUnA)	1.18	0.198	"	0.791		149	50-150				
Perfluorododecanoic acid (PFDoA)	0.794	0.198	"	0.791		100	50-150				
Perfluorotridecanoic acid (PFTrDA)	0.880	0.198	"	0.791		111	50-150				
Perfluorotetradecanoic acid (PFTA)	0.810	0.198	"	0.791		102	50-150				
N-MeFOSAA	1.24	0.198	"	0.791		156	50-150	High Bias			
N-EtFOSAA	0.602	0.198	"	0.791		76.2	50-150				
Perfluoropentanoic acid (PFPeA)	1.71	0.395	"	1.58		108	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	0.646	0.198	"	0.791		81.8	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.441	0.198	"	0.755		58.5	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	1.26	0.191	"	0.763		165	50-150	High Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1.44	0.751	"	3.00		48.0	50-150	Low Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	6.79	0.759	"	3.04		224	50-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	3.05	0.791	"	3.16		96.5	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	2.79	0.352	"	1.41		198	50-150	High Bias			
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	1.37	0.395	"	1.58		86.8	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	1.69	0.395	"	1.58		107	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	2.19	0.395	"	1.58		138	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	0.535	0.186	"	0.743		72.0	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	12.9	0.741	"	2.96		436	50-150	High Bias			
HFPO-DA (Gen-X)	1.87	0.791	"	1.58		118	50-150				
11CL-PF3OUdS	29.8	0.747	"	1.49		NR	50-150	High Bias			
9CL-PF3ONS	23.6	0.739	"	1.48		NR	50-150	High Bias			
ADONA	2.34	0.747	"	1.49		157	50-150	High Bias			
Perfluorododecanesulfonic acid (PFDoS)	0.784	0.192	"	0.767		102	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	0.871	0.190	"	0.759		115	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	41.3	0.988	"	3.16		NR	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	29.5	4.94	"	15.8		187	50-150	High Bias			
3-Perfluoroheptyl propanoic acid (FHpPA)	4.44	4.94	"	15.8		28.1	50-150	Low Bias			
N-MeFOSE	7.60	1.98	"	7.91		96.2	50-150				
N-MeFOSA	1.21	0.198	"	0.791		152	50-150	High Bias			
N-EtFOSE	8.40	1.98	"	7.91		106	50-150				
N-EtFOSA	0.589	0.198	"	0.791		74.5	50-150				
Surrogate: M3PFBS	*0.223*		"	*2.30*		*9.70*	*25-150*				
Surrogate: M5PFHxA	*0.167*		"	*2.47*		*6.76*	*25-150*				
Surrogate: M4PFHpA	*0.232*		"	*2.47*		*9.39*	*25-150*				
Surrogate: M3PFHxS	*0.555*		"	*2.34*		*23.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*0.345*		"	*2.47*		*14.0*	*25-150*				
Surrogate: M6PFDA	*0.362*		"	*1.24*		*29.3*	*25-150*				
Surrogate: M7PFUdA	*0.514*		"	*1.24*		*41.6*	*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 BF31337 - EPA 1633 Prep											
LCS (BF31337-BS2)								Prepared: 06/21/2023 Analyzed: 06/23/2023			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*0.556*		*ug/kg wet*	*1.24*		*45.0*	*25-150*				
Surrogate: M2PFTeDA	*0.667*		*"*	*1.24*		*54.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*0.481*		*"*	*9.88*		*4.87*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*1.18*		*"*	*2.37*		*49.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*0.272*		*"*	*4.94*		*5.51*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*0.544*		*"*	*2.47*		*22.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*1.29*		*"*	*4.94*		*26.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*1.96*		*"*	*4.94*		*39.6*	*25-150*				
Surrogate: M2-6:2 FTS	*0.924*		*"*	*4.70*		*19.7*	*25-200*				
Surrogate: M2-8:2 FTS	*1.29*		*"*	*4.74*		*27.3*	*25-200*				
Surrogate: M9PFNA	*0.206*		*"*	*1.24*		*16.7*	*25-150*				
Surrogate: M2-4:2 FTS	*0.131*		*"*	*4.63*		*2.82*	*25-150*				
Surrogate: d-N-MeFOSA	*0.943*		*"*	*2.47*		*38.2*	*25-150*				
Surrogate: d-N-EtFOSA	*1.17*		*"*	*2.47*		*47.5*	*25-150*				
Surrogate: M3HFPO-DA	*0.549*		*"*	*9.88*		*5.56*	*25-150*				
Surrogate: d9-N-EtFOSE	*8.08*		*"*	*24.7*		*32.7*	*25-150*				
Surrogate: d7-N-MeFOSE	*11.7*		*"*	*24.7*		*47.2*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF31205 - EPA 3550C											
Blank (BF31205-BLK1)											Prepared: 06/20/2023 Analyzed: 06/23/2023
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Surrogate: Decachlorobiphenyl	*0.0756*		*"*	*0.0664*		*114*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0607*		*"*	*0.0664*		*91.4*	*30-150*				
LCS (BF31205-BS1)											Prepared: 06/20/2023 Analyzed: 06/23/2023
4,4'-DDD	0.0326	0.00164	mg/kg wet	0.0332		98.2	40-140				
4,4'-DDE	0.0317	0.00164	"	0.0332		95.5	40-140				
4,4'-DDT	0.0296	0.00164	"	0.0332		89.0	40-140				
Aldrin	0.0325	0.00164	"	0.0332		97.7	40-140				
alpha-BHC	0.0326	0.00164	"	0.0332		98.1	40-140				
alpha-Chlordane	0.0319	0.00164	"	0.0332		96.0	40-140				
beta-BHC	0.0316	0.00164	"	0.0332		95.1	40-140				
delta-BHC	0.0340	0.00164	"	0.0332		102	40-140				
Dieldrin	0.0331	0.00164	"	0.0332		99.6	40-140				
Endosulfan I	0.0338	0.00164	"	0.0332		102	40-140				
Endosulfan II	0.0335	0.00164	"	0.0332		101	40-140				
Endosulfan sulfate	0.0324	0.00164	"	0.0332		97.7	40-140				
Endrin	0.0332	0.00164	"	0.0332		99.8	40-140				
gamma-BHC (Lindane)	0.0329	0.00164	"	0.0332		99.1	40-140				
Heptachlor	0.0334	0.00164	"	0.0332		100	40-140				
Surrogate: Decachlorobiphenyl	*0.0767*		*"*	*0.0664*		*115*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0610*		*"*	*0.0664*		*91.8*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF31205 - EPA 3550C											
Blank (BF31205-BLK2)											Prepared: 06/20/2023 Analyzed: 06/22/2023
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0595*		"	*0.0664*		*89.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0767*		"	*0.0664*		*116*	*30-120*				
LCS (BF31205-BS2)											Prepared: 06/20/2023 Analyzed: 06/22/2023
Aroclor 1016	0.296	0.0166	mg/kg wet	0.332		89.1	40-130				
Aroclor 1260	0.344	0.0166	"	0.332		104	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0528*		"	*0.0664*		*79.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0734*		"	*0.0664*		*110*	*30-120*				
Matrix Spike (BF31205-MS2)	*Source sample: 23F1110-08 (Matrix Spike)										Prepared: 06/20/2023 Analyzed: 06/22/2023
Aroclor 1016	0.198	0.0177	mg/kg dry	0.355	ND	55.8	40-140				
Aroclor 1260	0.210	0.0177	"	0.355	ND	59.1	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0362*		"	*0.0710*		*51.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0412*		"	*0.0710*		*58.0*	*30-120*				
Matrix Spike Dup (BF31205-MSD2)	*Source sample: 23F1110-08 (Matrix Spike Dup)										Prepared: 06/20/2023 Analyzed: 06/22/2023
Aroclor 1016	0.213	0.0177	mg/kg dry	0.355	ND	60.1	40-140		7.35	50	
Aroclor 1260	0.223	0.0177	"	0.355	ND	62.8	40-140		6.00	50	
Surrogate: Tetrachloro-m-xylene	*0.0401*		"	*0.0710*		*56.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0454*		"	*0.0710*		*64.0*	*30-120*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF31269 - EPA 3550C/8151A											
Blank (BF31269-BLK1)									Prepared: 06/20/2023 Analyzed: 06/21/2023		
2,4,5-TP (Silvex)	ND	0.0199	mg/kg wet								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.281*		"	*0.415*		*67.6*	*21-150*				
LCS (BF31269-BS1)									Prepared: 06/20/2023 Analyzed: 06/21/2023		
2,4,5-TP (Silvex)	0.0963	0.0199	mg/kg wet	0.133		72.5	10-120				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.283*		"	*0.415*		*68.2*	*21-150*				
Matrix Spike (BF31269-MS1)	*Source sample: 23F1188-01 (LP_002)								Prepared: 06/20/2023 Analyzed: 06/22/2023		
2,4,5-TP (Silvex)	0.106	0.0203	mg/kg dry	0.135	ND	78.8	10-120				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.311*		"	*0.422*		*73.6*	*21-150*				
Matrix Spike Dup (BF31269-MSD1)	*Source sample: 23F1188-01 (LP_002)								Prepared: 06/20/2023 Analyzed: 06/22/2023		
2,4,5-TP (Silvex)	0.109	0.0203	mg/kg dry	0.135	ND	80.6	10-120		2.35	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.323*		"	*0.422*		*76.6*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF31446 - EPA 3050B											
Blank (BF31446-BLK1)									Prepared: 06/22/2023 Analyzed: 06/23/2023		
Arsenic	ND	1.25	mg/kg wet								
Barium	ND	2.08	"								
Beryllium	ND	0.042	"								
Cadmium	ND	0.250	"								
Chromium	ND	0.417	"								
Copper	ND	1.67	"								
Lead	ND	0.417	"								
Manganese	ND	0.417	"								
Nickel	ND	0.830	"								
Selenium	ND	2.08	"								
Silver	ND	0.420	"								
Zinc	ND	2.08	"								
Duplicate (BF31446-DUP1)	*Source sample: 23F1241-04 (Duplicate)								Prepared: 06/22/2023 Analyzed: 06/23/2023		
Arsenic	9.51	1.30	mg/kg dry		9.80				3.05	35	
Barium	283	2.16	"		225				22.8	35	
Beryllium	0.152	0.044	"		0.177				15.5	35	
Cadmium	ND	0.260	"		ND					35	
Chromium	22.8	0.433	"		20.7				9.65	35	
Copper	31.7	1.73	"		31.0				2.21	35	
Lead	199	0.433	"		164				19.1	35	
Manganese	364	0.433	"		350				3.85	35	
Nickel	16.2	0.862	"		13.9				14.9	35	
Selenium	ND	2.16	"		ND					35	
Silver	ND	0.436	"		ND					35	
Zinc	167	2.16	"		153				9.06	35	
Matrix Spike (BF31446-MS1)	*Source sample: 23F1241-04 (Matrix Spike)								Prepared: 06/22/2023 Analyzed: 06/23/2023		
Arsenic	204	1.30	mg/kg dry	173	9.80	112	75-125				
Barium	566	2.16	"	173	225	197	75-125	High Bias			
Beryllium	5.03	0.044	"	4.33	0.177	112	75-125				
Cadmium	4.77	0.260	"	4.33	ND	110	75-125				
Chromium	38.8	0.433	"	17.3	20.7	105	75-125				
Copper	60.7	1.73	"	21.6	31.0	137	75-125	High Bias			
Lead	238	0.433	"	43.3	164	171	75-125	High Bias			
Manganese	459	0.433	"	43.3	350	252	75-125	High Bias			
Nickel	64.2	0.862	"	43.3	13.9	116	75-125				
Selenium	99.5	2.16	"	173	ND	57.5	75-125	Low Bias			
Silver	1.86	0.436	"	4.33	ND	42.9	75-125	Low Bias			
Zinc	245	2.16	"	43.3	153	214	75-125	High Bias			

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF31446 - EPA 3050B											
Post Spike (BF31446-PS1)	*Source sample: 23F1241-04 (Post Spike)							Prepared: 06/22/2023 Analyzed: 06/23/2023			
Arsenic	2.38		ug/mL	2.00	0.113	113	75-125				
Barium	5.00		"	2.00	2.60	120	75-125				
Beryllium	0.057		"	0.0500	0.002	110	75-125				
Cadmium	0.052		"	0.0500	0.0006	103	75-125				
Chromium	0.470		"	0.200	0.239	115	75-125				
Copper	0.682		"	0.250	0.358	130	75-125	High Bias			
Lead	2.49		"	0.500	1.89	119	75-125				
Manganese	4.61		"	0.500	4.04	113	75-125				
Nickel	0.742		"	0.500	0.161	116	75-125				
Selenium	1.20		"	2.00	-0.429	60.0	75-125	Low Bias			
Silver	0.014		"	0.0500	-0.034	28.0	75-125	Low Bias			
Zinc	2.36		"	0.500	1.76	120	75-125				
Reference (BF31446-SRM1)								Prepared: 06/22/2023 Analyzed: 06/23/2023			
Arsenic	210	1.25	mg/kg wet	183		115	69.9-130.1				
Barium	337	2.08	"	297		114	75.1-125.3				
Beryllium	83.5	0.042	"	78.8		106	75-124.9				
Cadmium	214	0.250	"	221		96.8	75.1-124.9				
Chromium	218	0.417	"	200		109	70-130				
Copper	157	1.67	"	136		116	75-125				
Lead	276	0.417	"	257		107	73.9-126.1				
Manganese	413	0.417	"	381		108	75.9-124.1				
Nickel	192	0.830	"	169		114	69.8-129.6				
Selenium	150	2.08	"	217		69.1	69.1-131.3				
Silver	59.5	0.420	"	67.8		87.8	70.6-129.2				
Zinc	234	2.08	"	224		104	70.1-130.4				

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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF31284 - EPA 7473 soil											
Blank (BF31284-BLK1)								Prepared & Analyzed: 06/21/2023			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BF31284-DUP1)	*Source sample: 23F0861-01 (Duplicate)							Prepared & Analyzed: 06/21/2023			
Mercury	0.504	0.130	mg/kg dry		0.595				16.7	35	
Matrix Spike (BF31284-MS1)	*Source sample: 23F0861-01 (Matrix Spike)							Prepared & Analyzed: 06/21/2023			
Mercury	0.602		mg/kg	0.500	0.138	92.8	75-125				
Reference (BF31284-SRM1)								Prepared & Analyzed: 06/21/2023			
Mercury	28.454		mg/kg	27.2		105	59.9-140.1				

Wet Chemistry 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 BF31254 - EPA SW846-3060											
Blank (BF31254-BLK1)								Prepared & Analyzed: 06/20/2023			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BF31254-DUP1)	*Source sample: 23F1188-01 (LP_002)							Prepared & Analyzed: 06/20/2023			
Chromium, Hexavalent	ND	0.508	mg/kg dry		ND					35	
Matrix Spike (BF31254-MS1)	*Source sample: 23F1188-01 (LP_002)							Prepared & Analyzed: 06/20/2023			
Chromium, Hexavalent	19.8	0.508	mg/kg dry		ND		75-125				
Matrix Spike Dup (BF31254-MSD1)	*Source sample: 23F1188-01 (LP_002)							Prepared & Analyzed: 06/20/2023			
Chromium, Hexavalent	18.4	0.508	mg/kg dry		ND		75-125		7.23	200	
Reference (BF31254-SRM1)								Prepared & Analyzed: 06/20/2023			
Chromium, Hexavalent	130		mg/L	227		57.2	42.3-157.7				
Batch BF31424 - Analysis Preparation Soil											
Blank (BF31424-BLK1)								Prepared & Analyzed: 06/22/2023			
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BF31424-DUP1)	*Source sample: 23F1188-01 (LP_002)							Prepared & Analyzed: 06/22/2023			
Cyanide, total	ND	0.508	mg/kg dry		ND					15	
Matrix Spike (BF31424-MS1)	*Source sample: 23F1188-01 (LP_002)							Prepared & Analyzed: 06/22/2023			
Cyanide, total	10.6	0.508	mg/kg dry	10.2	ND	105	79.6-107				
Matrix Spike Dup (BF31424-MSD1)	*Source sample: 23F1188-01 (LP_002)							Prepared & Analyzed: 06/22/2023			
Cyanide, total	10.0	0.508	mg/kg dry	10.2	ND	98.6	79.6-107		6.05	200	

Wet Chemistry 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 BF31424 - Analysis Preparation Soil											
Reference (BF31424-SRM1)									Prepared & Analyzed: 06/22/2023		
Cyanide, total	145		ug/mL	131		111	44.4-156.5				

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 BF31458 - % Solids Prep											
Duplicate (BF31458-DUP1)	*Source sample: 23F1043-21 (Duplicate)							Prepared & Analyzed: 06/22/2023			
% Solids	90.3	0.100	%		91.5				1.36	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23F1188-01	LP_002	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)

Definitions and Other Explanations

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

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (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. 231-1188

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

YOUR Information	Report To:	Invoice To:
Company: PWGC	Company:	Company:
Address: 630 Johnson Ave Bohemia, NY 11716	Address:	Address:
Phone.: 631-589-6353	Phone.:	Phone.:
Contact: Michael Pecoraro	Contact:	Contact:
E-mail: mpecoraro@pwgrosser.com	E-mail:	E-mail:

YOUR Project Number: BRK2302

YOUR Project Name:

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day: X
- RUSH - Five Day
- Standard (6-9 Day)

PFAS Standard is 7-10 Days

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.

Michael Pecoraro
Michael Pecoraro

Samples Collected by: (print AND sign your name)

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

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
LP-002	S	6/16/23	Full Part 375, PFAS(1633), 1,4-Dioxane	2 4oz glass,	
				Terracores,	
				1 250 mL plastic	
Terra Core Frozen @ DIO					

Comments: Add SCOHS list for VOC, SVOC, metals
Also email report to Derek Ersbak: derek@pwgrosser.com

Samples iced/chilled at time of lab pickup? circle Yes or No

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

Special Instruction
Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Michael Pecoraro	6/16/23 1440	Patty Elo YORK	6/16/23 2:42pm once	Patty Elo YORK	6/19/23 1:25pm
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
K Burkyork	6/19/23 1:25pm	Kayla Burkyork	6/19/23 1640		
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					6/19/23 1640 / 1-8 Degrees C