



Department of  
Environmental  
Conservation

# Rock C and D Landfill

(SITE NO. 546061)

**SUPPLEMENTAL SITE CHARACTERIZATION  
FIELD ACTIVITIES SUMMARY REPORT  
MILTON, NY**

**JULY 2023**

Kathy Hochul, Governor | Basil Seggos, Commissioner

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# 1.0 Site Information

## 1.1 Site Location and Features

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The Rock C&D Landfill (Site) is located at 462 NY Route 29 (Washington Street) in the town of Milton, Saratoga County, New York (See Figure 1). The Site is located approximately 4 miles west of Saratoga Springs near the intersection of NY Route 29 and Hoffman Road.

The Site contains a landfill that occupies approximately 10 acres and overlaps two separate property parcels that total 60 acres. The northern parcel, which borders NY Route 29, contains a winery and eating establishment, barn, and residence. The southern parcel is mostly wooded with a field on the northwest portion. Freshwater wetlands exist throughout the site (See Figure 3).

## 1.2 Investigation History

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The New York State Department of Environmental Conservation (NYDEC) Division of Materials Management (DMM) investigated the landfill as part of the Inactive Landfill Initiative in July 2019. Three monitoring wells and one seep sample were collected for analysis of 1,4-dioxane and per- and polyfluoroalkyl substances (PFAS) to determine if the landfill was a potential source for these emerging contaminants. Groundwater results identified maximum concentrations of perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) at 140 nanograms per liter (ng/l) and 69 ng/l, respectively. The seep results identified a maximum concentration of PFOS and PFOA at 130 ng/l and 36 ng/l, respectively. These results indicated a need to conduct a Site Characterization (SC) at the landfill to determine if the landfill is a source for PFAS contamination, and if the levels pose a significant threat to human or environmental health.

The site was then referred to the NYSDEC Division of Environmental Remediation (DER) to conduct the SC. DER contracted Ecology and Environment Engineering and Geology, P.C. (E&E) to perform a Site Characterization at the Site in 2021. The results of the Site Characterization are provided in a final report dated December 2021 and is available for download at the DEC Info Locator link provided here: [Index of /data/DecDocs/546061 \(ny.gov\)](#). While the results did indicate the landfill is a source for PFAS contamination, data gaps for other compounds were identified within the down gradient surface water sampling area. Additional sampling was warranted to determine if the site poses a significant threat to human or environmental health.

### 1.2.1 Supplemental Site Characterization

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DER conducted additional sampling at the Site in April 2023. Sampling was completed on April 25<sup>th</sup>, 2023, and follow-up global positioning system (GPS) measurements were collected on May 9<sup>th</sup>, 2023. The field activities were completed per the March 2023 work plan available within the DEC Info Locator link provided in the preceding section. The primary objectives of the work plan are outlined below:

1. Further assess the magnitude of landfill related contamination in seep/surface water drainage area south of the landfill
2. Resample monitoring wells for PFAS compounds

3. Compile results and compare to applicable standards, criteria, and guidance values within a field activities summary report.

A summary of field activities and results are provided in the following section. Please refer to December 2021 Site Characterization Report for expanded summaries of site geology/hydrology.

## 2.0 Investigation Activities

The completed field activities included the following:

- Surface water sampling
- Sediment sampling
- Groundwater sampling

Sample collection for PFAS analysis was performed consistent with DEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), April 2023 guidance document (DEC, 2023). Equipment and materials compatible with DEC recommendations for the collection and sampling of PFAS were used for each sampled media (i.e., stainless steel, high-density polyethylene [HDPE], and poly-vinyl chloride [PVC]). Water used for equipment decontamination was verified to be PFAS-free through laboratory analysis completed by the public water supplier. Sample collection for other compounds on the target analyte list/target compound list (TAL/TCL) was performed consistent with DER-10 guidance.

Laboratory reports have been included in **Appendix A**. A map showing the planned sample locations is presented in **Figure 2**.

Standard chain-of-custody (COC) procedures were followed for all collected samples. Laboratory quality assurance/quality control (QA/QC) samples including field duplicates and matrix spike/matrix spike duplicates (MS/MSDs), were collected where sample volume allowed at a minimum frequency of 1 per 20 samples. Field QA/QC samples including equipment blanks and trip blanks were collected at a frequency of one per day or cooler slated for VOC analysis, respectively. All collected samples were submitted to the DEC contract laboratory, Con-Test of East Long Meadow, Massachusetts.

### 2.1 Surface Water and Sediment Sampling

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Surface water and sediment sampling activities were completed by NYSDEC on April 25, 2023. Samples were collected to supplement data collected within the wetland down gradient of the landfill during the SC. four total sample locations were completed as part of the SC. Thirteen additional sample locations were planned for the supplemental work. Four locations included resamples proximate to prior locations, with an additional nine samples planned on the edges of the wetland to gather more information on the potential magnitude of contamination. Eight additional sample locations were collected, with one sample location SED/SW-12 not being collected due to absence of water in the area.

Samples were collected at the most downstream location first and progressed upstream. Surface water samples were collected prior to sediment samples to avoid disturbing sediment which may impact the surface water results.

#### 2.1.1 Surface Water Sampling

Sample locations are displayed on **Figure 3**.

No visual evidence of contamination was observed during the collection of any surface water sample, however iron-stained water and biological sheens were noted in the water directly downgradient of the landfill. Surface water samples were collected directly into laboratory supplied sample bottles or by using a stainless-steel cup depending on field conditions. The stainless-steel cup was rinsed with Alconox water and rinse water between each sample location. All surface water/sediment samples were preserved in a cooler with ice and submitted to Con-test for the analysis of PFAS (21 compound list) by USEPA Method 537 Modified, pH by EPA Method 9045, total organic carbon (TOC) by Lloyd Kahn. Sediment/surface water samples will be analyzed for volatile organic compounds (VOCs) by EPA Method 8260B GC/MS (Target Compound List), semi-volatile organic compounds (SVOCs) by EPA Method 8270 (solid) or 8270 SIM (aqueous), target analyte list (TAL) metals via EPA Method 6010, 6020, or 7000, and polychlorinated biphenyls (PCBs) via EPA Method 8082.

### 2.1.2 Sediment Sampling

NYSDEC collected a total of 12 sediment samples co-located with respective surface water samples. Sample locations are displayed on **Figure 4**.

No visual or olfactory evidence of contamination was observed during the collection of any sediment sample, however iron-stained water and sediment were observed in the water directly down gradient of the landfill. Sediment samples were placed directly into sample containers or collected using a stainless-steel cup or stainless-steel trowel to remove the surficial layer of sediment. Sediment was collected via Terracore for VOC analysis. The stainless-steel cup or trowel was decontaminated between sampling locations using detergent (Alconox) and clean, PFAS-free water rinse. All samples were preserved in a cooler with ice and submitted to Con-test for the analysis of PFAS (21 compound list) by USEPA Method 537 Modified, pH by EPA Method 9045, total organic carbon (TOC) by Lloyd Kahn. Sediment/surface water samples will be analyzed for volatile organic compounds (VOCs) by EPA Method 8260B GC/MS (Target Compound List), semi-volatile organic compounds (SVOCs) by EPA Method 8270 (solid) or 8270 SIM (aqueous), target analyte list (TAL) metals via EPA Method 6010, 6020, or 7000, and polychlorinated biphenyls (PCBs) via EPA Method 8082.

## 2.2 Groundwater Sampling

Groundwater grab samples were collected from three existing overburden groundwater wells (MW-3, MW-4, and UNK-02). Samples were collected utilizing a peristaltic pump equipped with HDPE and silicone tubing. Groundwater parameters (pH, conductivity, ORP, DO, and turbidity) were noted at time of sampling.

Groundwater Parameters								
Sample	Sample Date	Sample Time	Parameters					
			Temperature (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
MW-3	04/25/2023	1155	9.61	6.44	32	1.01	1.0	1.8
MW-4	04/25/2023	1115	11.84	6.55	115	0.675	3.9	0.74
UNK-02	04/25/2023	1320	11.56	6.13	163	1.76	0.0	7.65

Samples were collected in laboratory supplied bottles, placed on ice, and submitted to Contest for analysis of PFAS (21 compound list) by USEPA Method 537 Modified. Additional QA/QC samples included a field duplicate, a matrix spike, and a matrix spike duplicate.

## 3.0 Results

The following subsections discuss the regulatory standards, criteria, and guidance (SCGs) used to evaluate all field observations and sample analytical results.

### 3.1 Standards, Criteria, and Guidance

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The SCGs used to evaluate the surface water, sediment, soil, and groundwater analytical results are outlined below:

- **Surface Water** – NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, Class H(WS)/A(C), 2023 TOGS 1.1.1 Addendum PFAS Guidance Values, Class H(WS)/A(C)
- **Sediment** – NYSDEC Screening and Assessment of Contaminated Sediment, June 24, 2014. There currently are no SCGs for PFAS in sediment. Results will be discussed as provided by the laboratory.
- **Groundwater** – 2023 NYSDEC TOGS 1.1.1 Addendum PFAS Guidance Values, Class H(WS)

### 3.2 Surface Water Results

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A summary of the surface water analytical results is summarized below. Results for detected compounds in surface water samples can be found on **Figure 3**. A summary of the surface water sample analytical results can be found in **Table 2**, and laboratory reports are provided in **Appendix A**.

PFOA was detected in all surface water samples, with the exception of SW-01A located upgradient of the landfill, and SW-09 located in western portion of the wetland downgradient of the landfill. PFOS was detected in all surface water samples, with the exception of SW-01A. PFOA was at maximum of 240 ppt in SW-13. PFOS was detected at maximum of 240 ppt in SW-2A and SW-13. Other PFAS compounds that were detected, but do not have corresponding SCGs or MCLs are outlined in Table 1.

Various metals were detected in surface water samples collected. In the majority of samples, naturally occurring metals, including sodium, iron, and manganese were found. The highest concentration of metals not attributed to natural occurrence were found in sample SW-2A, located immediately downgradient of landfill in the primary seep location. Lead was detected at 2.5 mg/l, zinc at 3.5 mg/l, copper at 0.42 mg/l. The results decrease moving away from the landfill and other than the naturally occurring metals they all drop below applicable TOGS guidance values.

### 3.3 Sediment Results

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A summary of the sediment analytical results is summarized below. Results for detected compounds in sediment samples can be found on **Figure 4**. A summary of the sediment sample analytical results is presented in **Table 1**, and laboratory reports are provided in **Appendix A**.

PFOA was detected in 7 of 12 samples, with results ranging from ND to 6.9 ug/kg in SED-10. PFOS was detected in 9 of 12 samples, with results ranging from ND to 34 ug/kg.

PFOS was detected at 1.9 µg/kg in sample SW-10/SED-10 collected from the ponded water along NYS Route 351. No SCGs for PFAS in sediment have been established. Other PFAS compounds that were detected, but do not have corresponding SCGs or MCLs are outlined in Table 2.

Various metals, PAHs, and PCBs were also detected in collected samples. Exceedances of Class C Sediment Guidance Values were only observed in sample location SED-02A. Total PAHs were detected at 54.33 ug/kg, lead was detected at 300 mg/kg, and zinc was detected at 1,000 mg/kg. Four other sample locations showed Class B Sediment Guidance Values for various metals, however the results decrease and fall below the guidance values further downstream within the wetland.

### 3.4 Groundwater Results

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Results for detected compounds in groundwater samples can be found on **Figure 5**. A summary of the groundwater sample analytical results is presented in **Table 1**, and laboratory reports are provided in **Appendix A**.

Three groundwater grab samples were collected and each exhibited detection of PFOA and PFOS. PFOA was detected from 5.1 ng/l to 180 ng/l, exceeding the Ambient Water Quality Standard in 2 of 3 locations. PFOS was detected from 7.8 ng/l to 170 ng/l, exceeding the Ambient Water Quality Standard in each well. Other PFAS compounds that were detected, but do not have corresponding SCGs or MCLs are outlined in Table 2.

## 4.0 Conclusion

Based on the data collected during this supplemental investigation, the site is contributing low levels of PFAS to the environment. The site is also contributing low levels of TCL/TAL compounds to the environment. The results of the TCL/TAL compounds in sediment and surface water indicate highest levels near the seep leaving the landfill and decrease moving downgradient away from the landfill. The magnitude of TCL/TAL contamination is low. No distressed vegetation or impact to wildlife was observed during sampling activities.

## 5.0 References

NYSDEC. 1998. Division of Water Technical and Operation Guidance Series (TOGS) – Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Guidelines (TOGS 1.1.1), June 1998.

NYSDEC. 1998. Division of Water Technical and Operation Guidance Series (TOGS) – Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Guidelines (TOGS 1.1.1), June 1998 – Addendum 2023

NYSDEC. 2023. Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), June 2023.

NYSDEC. 2014. Screening and Assessment of Contaminated Sediment



# FIGURES

Figure 1  
Rock C and D Landfill - Site ID: 546061  
Site Map



**Legend**

- Remediation Sites
- ▭ Remediation Site Borders
- NYS Streets and Highways
- - - Landfill

NYS ITS GIS Program Office, Westchester County GIS, NYS ITS GIS Program Office

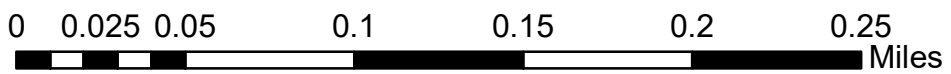
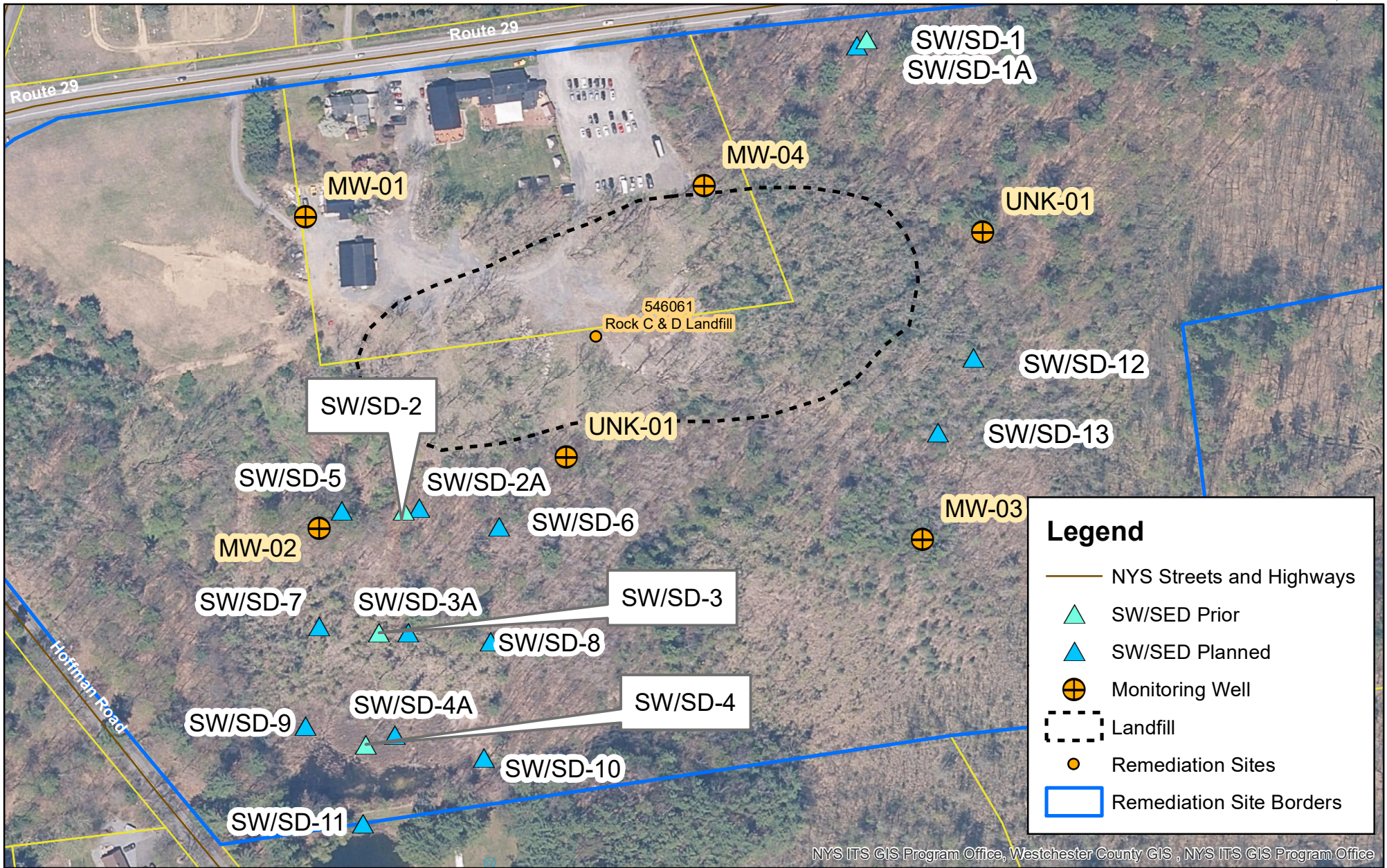
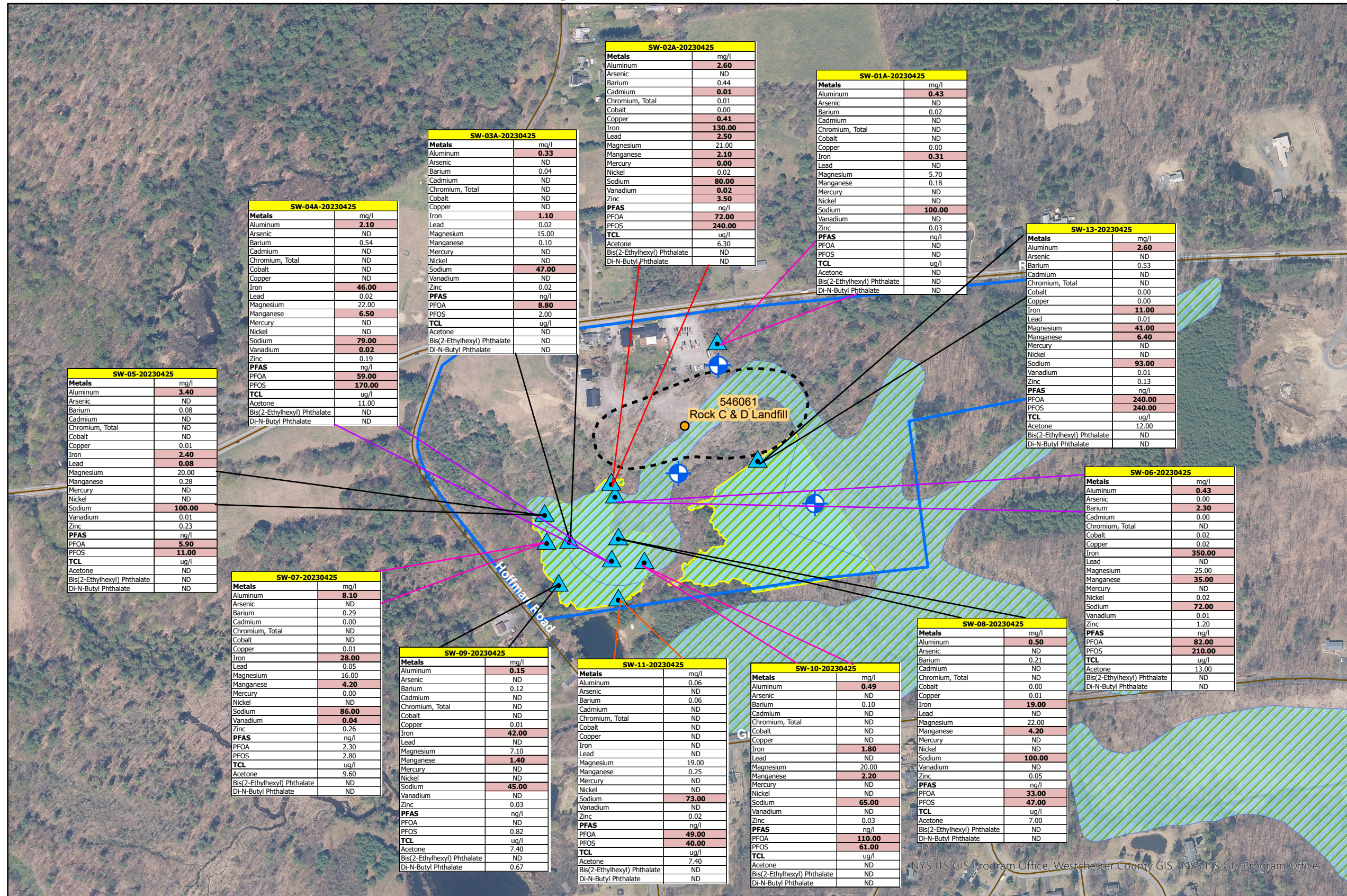
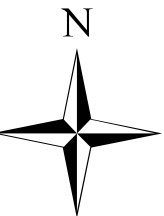


Figure 2  
 Rock C and D Landfill - Site ID: 546061  
 Sampling Map



# Figure 3 Rock C and D Landfill - Site ID: 546061 Sampling Results - Surface Water - Detections Only

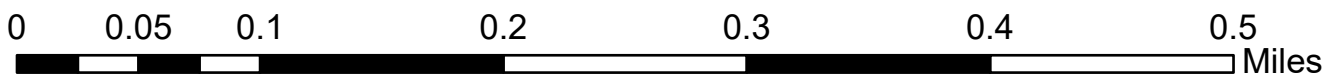


### Legend

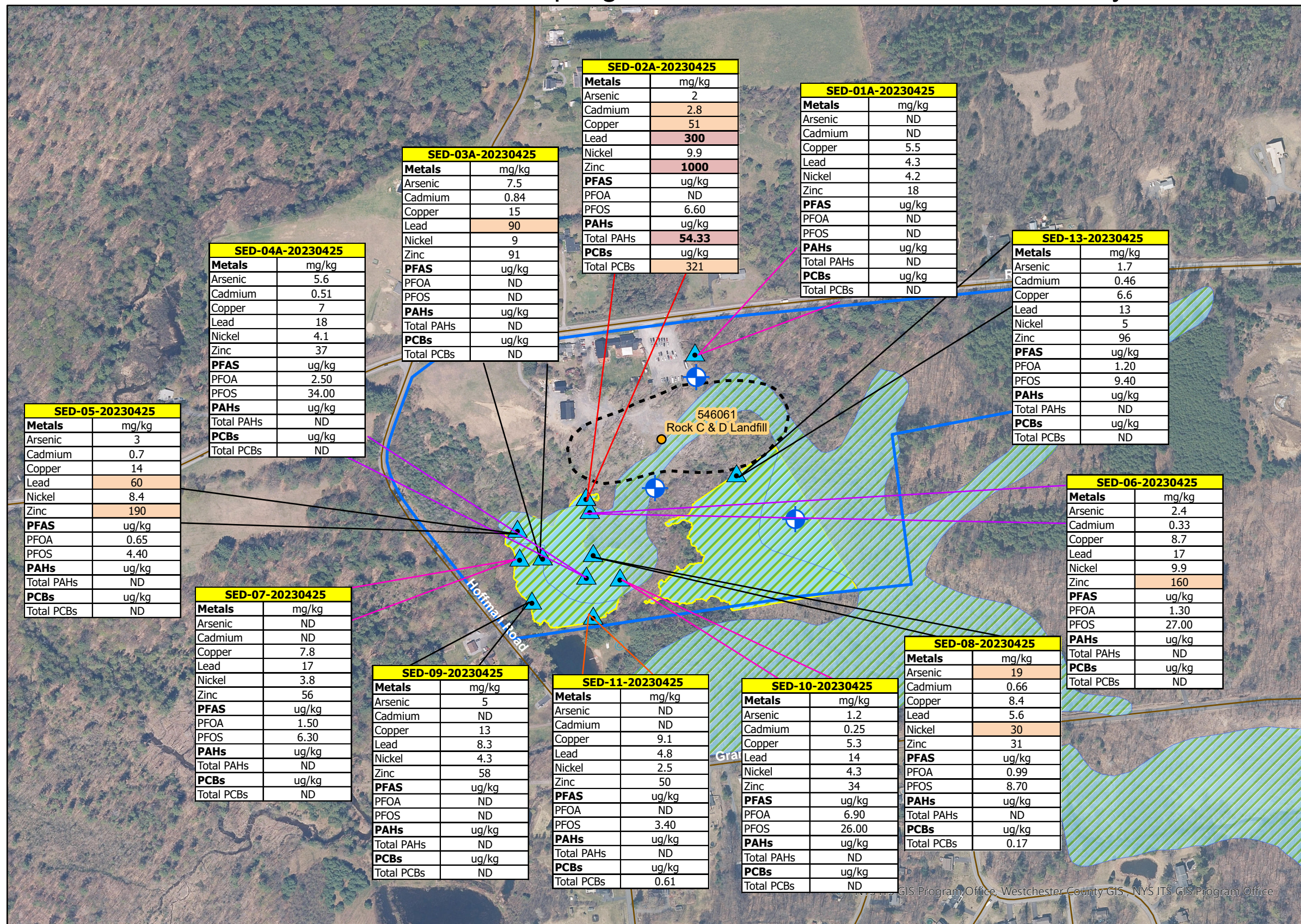
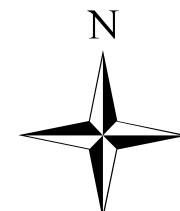
- Monitoring Well
- Surface Water/Sediment
- Landfill
- Remediation Site Borders
- Freshwater Wetland (C2)
- Observed Wetland Boundary

TOGS 1.1.1-H(W) - Water Classes: A, A-S, AA, AA-S		
CHEMICAL_NAME	Standard	Unit
Acetone	50	ug/l
Aluminum	0.1	mg/l
Arsenic	0.05	mg/l
Barium	1	mg/l
Bis(2-Ethylhexyl) Phthalate	5	ug/l
Cadmium	0.005	mg/l
Chromium, Total	0.05	mg/l
Cobalt	0.11	mg/l
Copper	0.2	mg/l
Di-N-Butyl Phthalate	50	ug/l
Iron	0.3	mg/l
Lead	0.05	mg/l
Magnesium	35	mg/l
Manganese	0.3	mg/l
Mercury	0.0007	mg/l
Nickel	0.1	mg/l
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/l
Perfluorooctanoic acid (PFOA)	6.7	ng/l
Sodium	20	mg/l
Vanadium	0.014	mg/l
Zinc	2	mg/l

Results shaded red and bold exceed standard  
 ND = Non detect  
 ug/l = microgram per liter  
 mg/l = milligram per liter  
 ng/l = nanogram per liter  
 See laboratory report for all analyses



# Figure 4 Rock C and D Landfill - Site ID: 546061 Sampling Results - Sediment - Detections Only



### Legend

- Monitoring Well
- Surface Water/Sediment
- Landfill
- Remediation Site Borders
- Freshwater Wetland (C2)
- Observed Wetland Boundary

Freshwater Sediment Guidance Values				
CHEMICAL_NAME	Class A	Class B	Class C	Unit
Arsenic	<10	10-33	>33	mg/kg
Cadmium	<1	1-5	>5	mg/kg
Copper	<32	32-150	>150	mg/kg
Lead	<36	36-130	>130	mg/kg
Nickel	<23	23-49	>49	mg/kg
Zinc	<120	120-460	>460	mg/kg
Total PAHs	<4000	4,000-35,000	>35,000	ug/kg
Total PCB	<100	100-1000	>1000	ug/kg
Perfluorooctanoic acid (PFOA)	NA	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	NA	NA	NA	NA

Results shaded orange exceed Class B  
 Results shaded red and bold exceed Class C  
 ND = Non detect  
 NA = No Applicable Guidance Value  
 ug/kg = microgram per kilogram  
 mg/kg = milligram per kilogram  
 See laboratory report for all analyses

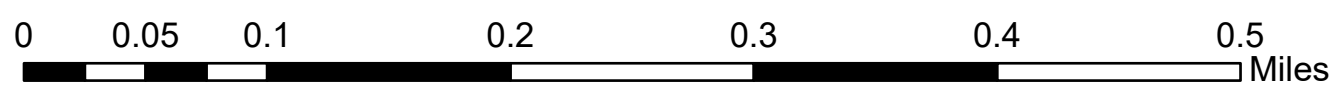
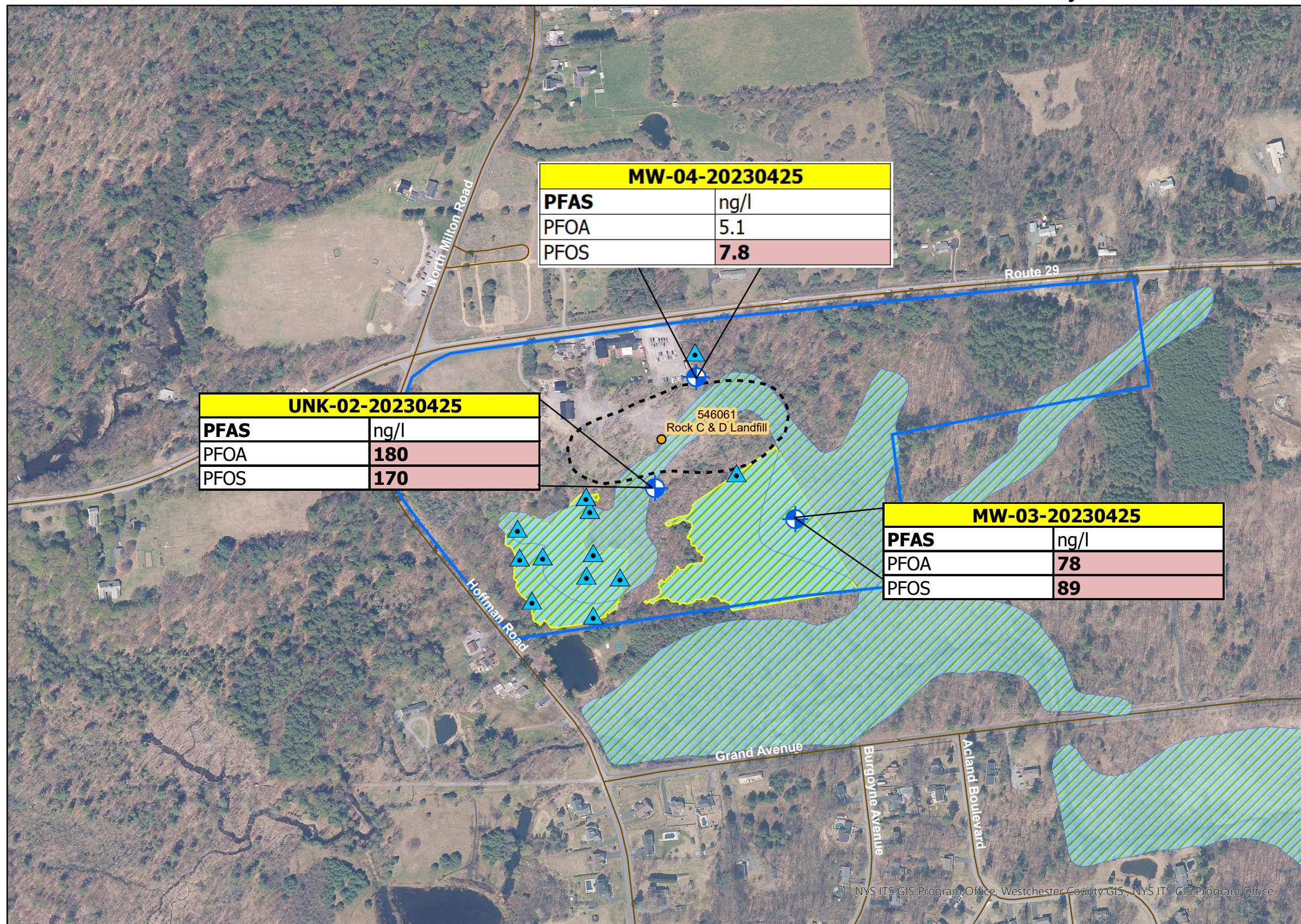
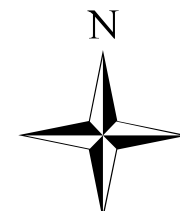


Figure 5  
 Rock C and D Landfill - Site ID: 546061 Sampling  
 Results - Groundwater - Detections Only



MW-04-20230425	
PFAS	ng/l
PFOA	5.1
PFOS	<b>7.8</b>

UNK-02-20230425	
PFAS	ng/l
PFOA	<b>180</b>
PFOS	<b>170</b>

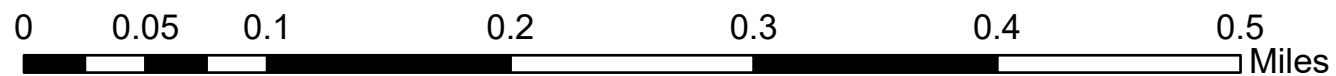
MW-03-20230425	
PFAS	ng/l
PFOA	<b>78</b>
PFOS	<b>89</b>

**Legend**

- Monitoring Well
- Surface Water/Sediment
- Landfill
- Remediation Site Borders
- Freshwater Wetland (C2)
- Observed Wetland Boundary

Groundwater Ambient Water Quality Standard	Unit
Perfluorooctanesulfonic acid (PFOS)	2.7 ng/l
Perfluorooctanoic acid (PFOA)	6.7 ng/l

Results shaded red and bold exceed standard  
 ng/l = nanograms per liter  
 See laboratory report for all analyses



# TABLES

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE		DUPLICATE-2023-04-25					SED-01A-20230425DUP1			SED-05-20230425DUP1			SED-07-20230425DUP1		
SYS_SAMPLE_CODE		25 Apr 2023					01 May 2023			02 May 2023			03 May 2023		
SAMPLER_DATE															
LATITUDE															
LONGITUDE															
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Arsenic	Metals	7440-38-2	mg/kg												
Aluminum	Metals	7429-90-5	mg/kg												
Cadmium	Metals	7440-43-9	mg/kg												
Copper	Metals	7440-50-8	mg/kg												
Barium	Metals	7440-39-3	mg/kg												
Lead	Metals	7439-92-1	mg/kg												
Nickel	Metals	7440-02-0	mg/kg												
Zinc	Metals	7440-66-6	mg/kg												
Calcium	Metals	7440-70-2	mg/kg												
Iron	Metals	7439-89-6	mg/kg												
Magnesium	Metals	7439-95-4	mg/kg												
Manganese	Metals	7439-96-5	mg/kg												
Mercury	Metals	7439-97-6	mg/kg												
Potassium	Metals	7440-09-7	mg/kg												
Silver	Metals	7440-22-4	mg/kg												
Sodium	Metals	7440-23-5	mg/kg												
Vanadium	Metals	7440-62-2	mg/kg												

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound



Table 1  
Sediment Data All Compounds

SYS_LOC_CODE				SED-DUP-20230425			SED-DUP-20230425DUP2			SED-01A			SED-02A		
SYS_SAMPLE_CODE				SED-DUP-20230425			SED-DUP-20230425DUP2			SED-01A-20230425			SED-02A-20230425		
SAMPLEDATE				25 Apr 2023			01 May 2023			25 Apr 2023			25 Apr 2023		
LATITUDE										43.074508			43.072944		
LONGITUDE										-73.8624565			-73.8641113		
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Arsenic	Metals	7440-38-2	mg/kg	4.7	Y	J				N			2	Y	J
Aluminum	Metals	7429-90-5	mg/kg	5500	Y					3500	Y		1900	Y	
Cadmium	Metals	7440-43-9	mg/kg	4.5	Y					N		U	2.8	Y	
Copper	Metals	7440-50-8	mg/kg	130	Y					5.5	Y		51	Y	
Barium	Metals	7440-39-3	mg/kg	190	Y					11	Y		63	Y	
Lead	Metals	7439-92-1	mg/kg	850	Y					4.3	Y		300	Y	
Nickel	Metals	7440-02-0	mg/kg	20	Y					4.2	Y		9.9	Y	
Zinc	Metals	7440-66-6	mg/kg	1700	Y	D				18	Y		1000	Y	D
Calcium	Metals	7440-70-2	mg/kg	21000	Y					8700	Y		10000	Y	
Iron	Metals	7439-89-6	mg/kg	49000	Y	D				6700	Y	D	24000	Y	D
Magnesium	Metals	7439-95-4	mg/kg	2200	Y					3600	Y		840	Y	
Manganese	Metals	7439-96-5	mg/kg	870	Y					51	Y		310	Y	
Mercury	Metals	7439-97-6	mg/kg	0.58	Y					N		U	0.36	Y	
Potassium	Metals	7440-09-7	mg/kg	550	Y					300	Y		220	Y	J
Silver	Metals	7440-22-4	mg/kg	0.65	Y	J				N		U	N		U
Sodium	Metals	7440-23-5	mg/kg	440	Y	J				190	Y	J	290	Y	J
Vanadium	Metals	7440-62-2	mg/kg	21	Y					9.2	Y		10	Y	

ng/l = nanogram per liter  
U = non detect  
D = compound identified has been diluted  
J = the reported value is estimated  
Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE				SED-03A			SED-04A			SED-05			SED-06		
SYS_SAMPLE_CODE				SED-03A-20230425			SED-04A-20230425			SED-05-20230425			SED-06-20230425		
SAMPLEDATE				25 Apr 2023			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE				43.072298			43.072081			43.072605			43.0728		
LONGITUDE				-73.86477			-73.8641216			-73.8651411			-73.8640575		
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Arsenic	Metals	7440-38-2	mg/kg	7.5	Y	J	5.6	Y	J	3	Y	J	2.4	Y	J
Aluminum	Metals	7429-90-5	mg/kg	7700	Y		2000	Y		8100	Y		11000	Y	
Cadmium	Metals	7440-43-9	mg/kg	0.84	Y	J	0.51	Y	J	0.7	Y	J	0.33	Y	J
Copper	Metals	7440-50-8	mg/kg	15	Y		7	Y		14	Y		8.7	Y	
Barium	Metals	7440-39-3	mg/kg	78	Y		59	Y		45	Y		69	Y	
Lead	Metals	7439-92-1	mg/kg	90	Y		18	Y		60	Y		17	Y	
Nickel	Metals	7440-02-0	mg/kg	9	Y		4.1	Y		8.4	Y		9.9	Y	
Zinc	Metals	7440-66-6	mg/kg	91	Y		37	Y		190	Y		160	Y	
Calcium	Metals	7440-70-2	mg/kg	26000	Y		56000	Y		14000	Y		6300	Y	
Iron	Metals	7439-89-6	mg/kg	22000	Y	D	20000	Y	D	12000	Y	D	22000	Y	D
Magnesium	Metals	7439-95-4	mg/kg	3400	Y		1200	Y		2100	Y		1400	Y	
Manganese	Metals	7439-96-5	mg/kg	770	Y		340	Y		170	Y		420	Y	
Mercury	Metals	7439-97-6	mg/kg	0.18	Y		N	U		0.1	Y	J	0.055	Y	J
Potassium	Metals	7440-09-7	mg/kg	730	Y	J	250	Y	J	580	Y	J	380	Y	J
Silver	Metals	7440-22-4	mg/kg	N	U		N	U		N	U		0.4	Y	J
Sodium	Metals	7440-23-5	mg/kg	600	Y	J	530	Y	J	570	Y	J	200	Y	J
Vanadium	Metals	7440-62-2	mg/kg	26	Y		10	Y		24	Y		22	Y	

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE				SED-07			SED-08			SED-09		
SYS_SAMPLE_CODE				SED-07-20230425			SED-08-20230425			SED-09-20230425		
SAMPLEDATE				25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE				43.072289			43.072328			43.071816		
LONGITUDE				-73.8651146			-73.8640152			-73.8649394		
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Arsenic	Metals	7440-38-2	mg/kg		N	U	19	Y		5	Y	J
Aluminum	Metals	7429-90-5	mg/kg	4200	Y		7200	Y		1800	Y	
Cadmium	Metals	7440-43-9	mg/kg		N	U	0.66	Y	J		N	U
Copper	Metals	7440-50-8	mg/kg	7.8	Y		8.4	Y		13	Y	
Barium	Metals	7440-39-3	mg/kg	63	Y		500	Y		120	Y	
Lead	Metals	7439-92-1	mg/kg	17	Y		5.6	Y		8.3	Y	
Nickel	Metals	7440-02-0	mg/kg	3.8	Y		30	Y		4.3	Y	J
Zinc	Metals	7440-66-6	mg/kg	56	Y		31	Y		58	Y	
Calcium	Metals	7440-70-2	mg/kg	17000	Y		17000	Y		21000	Y	
Iron	Metals	7439-89-6	mg/kg	13000	Y	D	22000	Y	D	67000	Y	D
Magnesium	Metals	7439-95-4	mg/kg	1700	Y		1700	Y		1900	Y	
Manganese	Metals	7439-96-5	mg/kg	700	Y		21000	Y	D	590	Y	
Mercury	Metals	7439-97-6	mg/kg		N	U	0.057	Y	J		N	U
Potassium	Metals	7440-09-7	mg/kg	510	Y	J	260	Y	J		N	U
Silver	Metals	7440-22-4	mg/kg		N	U		N	U		N	U
Sodium	Metals	7440-23-5	mg/kg	820	Y	J	440	Y		920	Y	J
Vanadium	Metals	7440-62-2	mg/kg	12	Y		17	Y		7.5	Y	

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE				SED-10			SED-11			SED-13		
SYS_SAMPLE_CODE				SED-10-20230425			SED-11-20230425			SED-13-20230425		
SAMPLEDATE				25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE				43.072057			43.071642			43.07318		
LONGITUDE				-73.8636211			-73.8640285			-73.861861		
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Arsenic	Metals	7440-38-2	mg/kg	1.2	Y	J				1.7	Y	J
Aluminum	Metals	7429-90-5	mg/kg	11000	Y		510	Y		5500	Y	
Cadmium	Metals	7440-43-9	mg/kg	0.25	Y	J			U	0.46	Y	J
Copper	Metals	7440-50-8	mg/kg	5.3	Y		9.1	Y		6.6	Y	
Barium	Metals	7440-39-3	mg/kg	42	Y		39	Y		180	Y	
Lead	Metals	7439-92-1	mg/kg	14	Y		4.8	Y		13	Y	
Nickel	Metals	7440-02-0	mg/kg	4.3	Y		2.5	Y	J	5	Y	
Zinc	Metals	7440-66-6	mg/kg	34	Y		50	Y		96	Y	
Calcium	Metals	7440-70-2	mg/kg	8200	Y		28000	Y		39000	Y	D
Iron	Metals	7439-89-6	mg/kg	11000	Y	D	2800	Y	JD	16000	Y	D
Magnesium	Metals	7439-95-4	mg/kg	1200	Y		1900	Y		1200	Y	
Manganese	Metals	7439-96-5	mg/kg	110	Y		110	Y		3100	Y	
Mercury	Metals	7439-97-6	mg/kg	0.024	Y	J		N	U	0.064	Y	
Potassium	Metals	7440-09-7	mg/kg	210	Y	J	320	Y	J	290	Y	J
Silver	Metals	7440-22-4	mg/kg	0.28	Y	J		N	U		N	U
Sodium	Metals	7440-23-5	mg/kg	250	Y	J	1000	Y	J	230	Y	J
Vanadium	Metals	7440-62-2	mg/kg	18	Y		5.1	Y	J	12	Y	

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE		DUPLICATE-2023-04-25				SED-01A-20230425DUP1			SED-05-20230425DUP1			SED-07-20230425DUP1			
SYS_SAMPLE_CODE		25 Apr 2023				01 May 2023			02 May 2023			03 May 2023			
SAMPLER_DATE															
LATITUDE															
LONGITUDE															
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Acenaphthene	PAH	83-32-9	mg/kg												
Anthracene	PAH	120-12-7	mg/kg												
Benzo(A)Anthracene	PAH	56-55-3	mg/kg												
Benzo(A)Pyrene	PAH	50-32-8	mg/kg												
Benzo(B)Fluoranthene	PAH	205-99-2	mg/kg												
Benzo(G,H,I)Perylene	PAH	191-24-2	mg/kg												
Benzo(K)Fluoranthene	PAH	207-08-9	mg/kg												
Benzyl Butyl Phthalate	PAH	85-68-7	mg/kg												
Bis(2-Ethylhexyl) Phthalate	PAH	117-81-7	mg/kg												
Chrysene	PAH	218-01-9	mg/kg												
Dibenz(A,H)Anthracene	PAH	53-70-3	mg/kg												
Dibenzofuran	PAH	132-64-9	mg/kg												
Fluoranthene	PAH	206-44-0	mg/kg												
Fluorene	PAH	86-73-7	mg/kg												
Indeno(1,2,3-C,D)Pyrene	PAH	193-39-5	mg/kg												
Naphthalene	PAH	91-20-3	mg/kg												
Phenanthrene	PAH	85-01-8	mg/kg												
Pyrene	PAH	129-00-0	mg/kg												

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE				SED-DUP-20230425			SED-DUP-20230425DUP2			SED-01A			SED-02A		
SYS_SAMPLE_CODE				SED-DUP-20230425			SED-DUP-20230425DUP2			SED-01A-20230425			SED-02A-20230425		
SAMPLEDATE				25 Apr 2023			01 May 2023			25 Apr 2023			25 Apr 2023		
LATITUDE										43.074508			43.072944		
LONGITUDE										-73.8624565			-73.8641113		
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Acenaphthene	PAH	83-32-9	mg/kg	0.77	Y					N	U		0.33	Y	J
Anthracene	PAH	120-12-7	mg/kg	1.8	Y					N	U		1	Y	
Benzo(A)Anthracene	PAH	56-55-3	mg/kg	5.3	Y					N	U		3	Y	
Benzo(A)Pyrene	PAH	50-32-8	mg/kg	4.9	Y					N	U		2.8	Y	
Benzo(B)Fluoranthene	PAH	205-99-2	mg/kg	5.6	Y					N	U		3.2	Y	
Benzo(G,H,I)Perylene	PAH	191-24-2	mg/kg	3.9	Y					N	U		2.1	Y	
Benzo(K)Fluoranthene	PAH	207-08-9	mg/kg	2.3	Y					N	U		1.3	Y	
Benzyl Butyl Phthalate	PAH	85-68-7	mg/kg	0.32	Y	J				N	U		0.94	Y	
Bis(2-Ethylhexyl) Phthalate	PAH	117-81-7	mg/kg	0.55	Y	J				N	U		0.97	Y	
Chrysene	PAH	218-01-9	mg/kg	5	Y					N	U		2.9	Y	
Dibenz(A,H)Anthracene	PAH	53-70-3	mg/kg	0.87	Y					N	U		0.44	Y	J
Dibenzofuran	PAH	132-64-9	mg/kg	0.42	Y	J				N	U		N		U
Fluoranthene	PAH	206-44-0	mg/kg	13	Y					N	U		7.5	Y	
Fluorene	PAH	86-73-7	mg/kg	0.81	Y					N	U		0.32	Y	J
Indeno(1,2,3-C,D)Pyrene	PAH	193-39-5	mg/kg	3.9	Y					N	U		2.1	Y	
Naphthalene	PAH	91-20-3	mg/kg	0.35	Y	J				N	U		N		U
Phenanthrene	PAH	85-01-8	mg/kg	8	Y					N	U		3.8	Y	
Pyrene	PAH	129-00-0	mg/kg	9.6	Y					N	U		5.8	Y	

ng/l = nanogram per liter  
U = non detect  
D = compound identified has been diluted  
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Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE				SED-03A			SED-04A			SED-05			SED-06		
SYS_SAMPLE_CODE				SED-03A-20230425			SED-04A-20230425			SED-05-20230425			SED-06-20230425		
SAMPLEDATE				25 Apr 2023			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE				43.072298			43.072081			43.072605			43.0728		
LONGITUDE				-73.86477			-73.8641216			-73.8651411			-73.8640575		
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Acenaphthene	PAH	83-32-9	mg/kg	N	U		N	U		N	U		N	U	
Anthracene	PAH	120-12-7	mg/kg	N	U		N	U		N	U		N	U	
Benzo(A)Anthracene	PAH	56-55-3	mg/kg	N	U		N	U		N	U		N	U	
Benzo(A)Pyrene	PAH	50-32-8	mg/kg	N	U		N	U		N	U		N	U	
Benzo(B)Fluoranthene	PAH	205-99-2	mg/kg	N	U		N	U		N	U		N	U	
Benzo(G,H,I)Perylene	PAH	191-24-2	mg/kg	N	U		N	U		N	U		N	U	
Benzo(K)Fluoranthene	PAH	207-08-9	mg/kg	N	U		N	U		N	U		N	U	
Benzyl Butyl Phthalate	PAH	85-68-7	mg/kg	N	U		N	U		N	U		N	U	
Bis(2-Ethylhexyl) Phthalate	PAH	117-81-7	mg/kg	N	U		N	U		N	U		N	U	
Chrysene	PAH	218-01-9	mg/kg	N	U		N	U		N	U		N	U	
Dibenz(A,H)Anthracene	PAH	53-70-3	mg/kg	N	U		N	U		N	U		N	U	
Dibenzofuran	PAH	132-64-9	mg/kg	N	U		N	U		N	U		N	U	
Fluoranthene	PAH	206-44-0	mg/kg	N	U		N	U		N	U		N	U	
Fluorene	PAH	86-73-7	mg/kg	N	U		N	U		N	U		N	U	
Indeno(1,2,3-C,D)Pyrene	PAH	193-39-5	mg/kg	N	U		N	U		N	U		N	U	
Naphthalene	PAH	91-20-3	mg/kg	N	U		N	U		N	U		N	U	
Phenanthrene	PAH	85-01-8	mg/kg	N	U		N	U		N	U		N	U	
Pyrene	PAH	129-00-0	mg/kg	N	U		N	U		N	U		N	U	

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE				SED-07			SED-08			SED-09		
SYS_SAMPLE_CODE				SED-07-20230425			SED-08-20230425			SED-09-20230425		
SAMPLEDATE				25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE				43.072289			43.072328			43.071816		
LONGITUDE				-73.8651146			-73.8640152			-73.8649394		
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Acenaphthene	PAH	83-32-9	mg/kg		N	U		N	U		N	U
Anthracene	PAH	120-12-7	mg/kg		N	U		N	U		N	U
Benzo(A)Anthracene	PAH	56-55-3	mg/kg		N	U		N	U		N	U
Benzo(A)Pyrene	PAH	50-32-8	mg/kg		N	U		N	U		N	U
Benzo(B)Fluoranthene	PAH	205-99-2	mg/kg		N	U		N	U		N	U
Benzo(G,H,I)Perylene	PAH	191-24-2	mg/kg		N	U		N	U		N	U
Benzo(K)Fluoranthene	PAH	207-08-9	mg/kg		N	U		N	U		N	U
Benzyl Butyl Phthalate	PAH	85-68-7	mg/kg		N	U	0.17	Y	J		N	U
Bis(2-Ethylhexyl) Phthalate	PAH	117-81-7	mg/kg		N	U		N	U		N	U
Chrysene	PAH	218-01-9	mg/kg		N	U		N	U		N	U
Dibenz(A,H)Anthracene	PAH	53-70-3	mg/kg		N	U		N	U		N	U
Dibenzofuran	PAH	132-64-9	mg/kg		N	U		N	U		N	U
Fluoranthene	PAH	206-44-0	mg/kg		N	U		N	U		N	U
Fluorene	PAH	86-73-7	mg/kg		N	U		N	U		N	U
Indeno(1,2,3-C,D)Pyrene	PAH	193-39-5	mg/kg		N	U		N	U		N	U
Naphthalene	PAH	91-20-3	mg/kg		N	U		N	U		N	U
Phenanthrene	PAH	85-01-8	mg/kg		N	U		N	U		N	U
Pyrene	PAH	129-00-0	mg/kg		N	U		N	U		N	U

ng/l = nanogram per liter  
 U = non detect  
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 Blank cells indicate the sample was not analyzed for the specific compound



Table 1  
Sediment Data All Compounds

SYS_LOC_CODE				SED-10			SED-11			SED-13		
SYS_SAMPLE_CODE				SED-10-20230425			SED-11-20230425			SED-13-20230425		
SAMPLEDATE				25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE				43.072057			43.071642			43.07318		
LONGITUDE				-73.8636211			-73.8640285			-73.861861		
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Acenaphthene	PAH	83-32-9	mg/kg		N	U		N	U		N	U
Anthracene	PAH	120-12-7	mg/kg		N	U		N	U		N	U
Benzo(A)Anthracene	PAH	56-55-3	mg/kg		N	U		N	U		N	U
Benzo(A)Pyrene	PAH	50-32-8	mg/kg		N	U		N	U		N	U
Benzo(B)Fluoranthene	PAH	205-99-2	mg/kg		N	U		N	U		N	U
Benzo(G,H,I)Perylene	PAH	191-24-2	mg/kg		N	U		N	U		N	U
Benzo(K)Fluoranthene	PAH	207-08-9	mg/kg		N	U		N	U		N	U
Benzyl Butyl Phthalate	PAH	85-68-7	mg/kg		N	U	0.61	Y	J		N	U
Bis(2-Ethylhexyl) Phthalate	PAH	117-81-7	mg/kg		N	U		N	U		N	U
Chrysene	PAH	218-01-9	mg/kg		N	U		N	U		N	U
Dibenz(A,H)Anthracene	PAH	53-70-3	mg/kg		N	U		N	U		N	U
Dibenzofuran	PAH	132-64-9	mg/kg		N	U		N	U		N	U
Fluoranthene	PAH	206-44-0	mg/kg		N	U		N	U		N	U
Fluorene	PAH	86-73-7	mg/kg		N	U		N	U		N	U
Indeno(1,2,3-C,D)Pyrene	PAH	193-39-5	mg/kg		N	U		N	U		N	U
Naphthalene	PAH	91-20-3	mg/kg		N	U		N	U		N	U
Phenanthrene	PAH	85-01-8	mg/kg		N	U		N	U		N	U
Pyrene	PAH	129-00-0	mg/kg		N	U		N	U		N	U

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE				DUPLICATE-2023-04-25			SED-01A-20230425DUP1			SED-05-20230425DUP1			SED-07-20230425DUP1		
SYS_SAMPLE_CODE				25 Apr 2023			01 May 2023			02 May 2023			03 May 2023		
SAMPLER_DATE															
LATITUDE															
LONGITUDE															
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
PCB-1016 (Aroclor 1016)	PCB	12674-11-2	mg/kg												
PCB-1221 (Aroclor 1221)	PCB	11104-28-2	mg/kg												
PCB-1232 (Aroclor 1232)	PCB	11141-16-5	mg/kg												
PCB-1242 (Aroclor 1242)	PCB	53469-21-9	mg/kg												
PCB-1248 (Aroclor 1248)	PCB	12672-29-6	mg/kg												
PCB-1262 (Aroclor 1262)	PCB	37324-23-5	mg/kg												
PCB-1268 (Aroclor 1268)	PCB	11100-14-4	mg/kg												
PCB-1254 (Aroclor 1254)	PCB	11097-69-1	mg/kg												
PCB-1260 (Aroclor 1260)	PCB	11096-82-5	mg/kg												

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE				SED-DUP-20230425			SED-DUP-20230425DUP2			SED-01A			SED-02A		
SYS_SAMPLE_CODE				SED-DUP-20230425			SED-DUP-20230425DUP2			SED-01A-20230425			SED-02A-20230425		
SAMPLEDATE				25 Apr 2023			01 May 2023			25 Apr 2023			25 Apr 2023		
LATITUDE										43.074508			43.072944		
LONGITUDE										-73.8624565			-73.8641113		
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
PCB-1016 (Aroclor 1016)	PCB	12674-11-2	mg/kg		N	U					N	U		N	U
PCB-1221 (Aroclor 1221)	PCB	11104-28-2	mg/kg		N	U					N	U		N	U
PCB-1232 (Aroclor 1232)	PCB	11141-16-5	mg/kg		N	U					N	U		N	U
PCB-1242 (Aroclor 1242)	PCB	53469-21-9	mg/kg		N	U					N	U		N	U
PCB-1248 (Aroclor 1248)	PCB	12672-29-6	mg/kg		N	U					N	U		N	U
PCB-1262 (Aroclor 1262)	PCB	37324-23-5	mg/kg		N	U					N	U		N	U
PCB-1268 (Aroclor 1268)	PCB	11100-14-4	mg/kg		N	U					N	U		N	U
PCB-1254 (Aroclor 1254)	PCB	11097-69-1	mg/kg		N	U					N	U	0.25	Y	D
PCB-1260 (Aroclor 1260)	PCB	11096-82-5	mg/kg	0.12	Y	JD					N	U	0.071	Y	JD

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE				SED-03A			SED-04A			SED-05			SED-06		
SYS_SAMPLE_CODE				SED-03A-20230425			SED-04A-20230425			SED-05-20230425			SED-06-20230425		
SAMPLEDATE				25 Apr 2023			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE				43.072298			43.072081			43.072605			43.0728		
LONGITUDE				-73.86477			-73.8641216			-73.8651411			-73.8640575		
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
PCB-1016 (Aroclor 1016)	PCB	12674-11-2	mg/kg		N	U		N	U		N	U		N	U
PCB-1221 (Aroclor 1221)	PCB	11104-28-2	mg/kg		N	U		N	U		N	U		N	U
PCB-1232 (Aroclor 1232)	PCB	11141-16-5	mg/kg		N	U		N	U		N	U		N	U
PCB-1242 (Aroclor 1242)	PCB	53469-21-9	mg/kg		N	U		N	U		N	U		N	U
PCB-1248 (Aroclor 1248)	PCB	12672-29-6	mg/kg		N	U		N	U		N	U		N	U
PCB-1262 (Aroclor 1262)	PCB	37324-23-5	mg/kg		N	U		N	U		N	U		N	U
PCB-1268 (Aroclor 1268)	PCB	11100-14-4	mg/kg		N	U		N	U		N	U		N	U
PCB-1254 (Aroclor 1254)	PCB	11097-69-1	mg/kg		N	U		N	U		N	U		N	U
PCB-1260 (Aroclor 1260)	PCB	11096-82-5	mg/kg		N	U		N	U		N	U		N	U

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE				SED-07			SED-08			SED-09		
SYS_SAMPLE_CODE				SED-07-20230425			SED-08-20230425			SED-09-20230425		
SAMPLEDATE				25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE				43.072289			43.072328			43.071816		
LONGITUDE				-73.8651146			-73.8640152			-73.8649394		
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
PCB-1016 (Aroclor 1016)	PCB	12674-11-2	mg/kg		N	U		N	U		N	U
PCB-1221 (Aroclor 1221)	PCB	11104-28-2	mg/kg		N	U		N	U		N	U
PCB-1232 (Aroclor 1232)	PCB	11141-16-5	mg/kg		N	U		N	U		N	U
PCB-1242 (Aroclor 1242)	PCB	53469-21-9	mg/kg		N	U		N	U		N	U
PCB-1248 (Aroclor 1248)	PCB	12672-29-6	mg/kg		N	U		N	U		N	U
PCB-1262 (Aroclor 1262)	PCB	37324-23-5	mg/kg		N	U		N	U		N	U
PCB-1268 (Aroclor 1268)	PCB	11100-14-4	mg/kg		N	U		N	U		N	U
PCB-1254 (Aroclor 1254)	PCB	11097-69-1	mg/kg		N	U		N	U		N	U
PCB-1260 (Aroclor 1260)	PCB	11096-82-5	mg/kg		N	U		N	U		N	U

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE				SED-10			SED-11			SED-13		
SYS_SAMPLE_CODE				SED-10-20230425			SED-11-20230425			SED-13-20230425		
SAMPLEDATE				25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE				43.072057			43.071642			43.07318		
LONGITUDE				-73.8636211			-73.8640285			-73.861861		
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
PCB-1016 (Aroclor 1016)	PCB	12674-11-2	mg/kg		N	U		N	U		N	U
PCB-1221 (Aroclor 1221)	PCB	11104-28-2	mg/kg		N	U		N	U		N	U
PCB-1232 (Aroclor 1232)	PCB	11141-16-5	mg/kg		N	U		N	U		N	U
PCB-1242 (Aroclor 1242)	PCB	53469-21-9	mg/kg		N	U		N	U		N	U
PCB-1248 (Aroclor 1248)	PCB	12672-29-6	mg/kg		N	U		N	U		N	U
PCB-1262 (Aroclor 1262)	PCB	37324-23-5	mg/kg		N	U		N	U		N	U
PCB-1268 (Aroclor 1268)	PCB	11100-14-4	mg/kg		N	U		N	U		N	U
PCB-1254 (Aroclor 1254)	PCB	11097-69-1	mg/kg		N	U		N	U		N	U
PCB-1260 (Aroclor 1260)	PCB	11096-82-5	mg/kg		N	U		N	U		N	U

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE		DUPLICATE-2023-04-25				SED-01A-20230425DUP1			SED-05-20230425DUP1			SED-07-20230425DUP1			
SYS_SAMPLE_CODE		25 Apr 2023				01 May 2023			02 May 2023			03 May 2023			
SAMPLEDATE															
LATITUDE															
LONGITUDE															
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Perfluorobutanoic Acid	PFAS	375-22-4	ug/kg		N	U									
Perfluorodecanoic acid (PFDA)	PFAS	335-76-2	ug/kg		2.7	Y									
Perfluorododecanoic acid (PFDoA)	PFAS	307-55-1	ug/kg		1	Y									
Perfluorononanoic acid (PFNA)	PFAS	375-95-1	ug/kg		N	U									
Perfluorooctanesulfonic acid (PFOS)	PFAS	1763-23-1	ug/kg		16	Y									
Perfluorooctanoic acid (PFOA)	PFAS	335-67-1	ug/kg		0.75	Y									
Perfluoroundecanoic Acid (PFUnA)	PFAS	2058-94-8	ug/kg		2.4	Y									
11-Chloroicosafafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	PFAS	763051-92-9	ug/kg		N	U									
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	PFAS	39108-34-4	ug/kg		N	U									
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	PFAS	757124-72-4	ug/kg		N	U									
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	PFAS	27619-97-2	ug/kg		N	U									
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	PFAS	919005-14-4	ug/kg		N	U									
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	PFAS	756426-58-1	ug/kg		N	U									
Hexafluoropropylene oxide dimer acid (HFPO-DA)	PFAS	13252-13-6	ug/kg		N	U									
N-ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	PFAS	2991-50-6	ug/kg		1.4	Y									
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	PFAS	2355-31-9	ug/kg		N	U									
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	PFAS	151772-58-6	ug/kg		N	U									
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	PFAS	113507-82-7	ug/kg		N	U									
Perfluoro-1-butanefulfonamide (FBSA)	PFAS	30334-69-1	ug/kg		N	U									
Perfluoro-1-hexanesulfonamide (FHxSA)	PFAS	41997-13-1	ug/kg		N	U									
Perfluoro-3-methoxypropanoic acid (PFMPA)	PFAS	377-73-1	ug/kg		N	U									
Perfluoro-4-methoxybutanoic acid (PFMBA)	PFAS	863090-89-5	ug/kg		N	U									
Perfluorobutanesulfonic acid (PFBS)	PFAS	375-73-5	ug/kg		N	U									
Perfluorodecanesulfonic acid (PFDS)	PFAS	335-77-3	ug/kg		N	U									
Perfluoroheptanesulfonic acid (PFHpS)	PFAS	375-92-8	ug/kg		N	U									
Perfluoroheptanoic acid (PFHpA)	PFAS	375-85-9	ug/kg		N	U									
Perfluorohexanesulfonic acid (PFHxS)	PFAS	355-46-4	ug/kg		N	U									
Perfluorohexanoic acid (PFHxA)	PFAS	307-24-4	ug/kg		N	U									
Perfluorononanesulfonic Acid (PFNS)	PFAS	68259-12-1	ug/kg		N	U									
Perfluorooctane Sulfonamide (PFOSA)	PFAS	754-91-6	ug/kg		N	U									
Perfluoropentanesulfonic acid (PFPeS)	PFAS	2706-91-4	ug/kg		N	U									
Perfluoropentanoic Acid (PFPeA)	PFAS	2706-90-3	ug/kg		N	U									
Perfluorotetradecanoic acid (PFTeDA)	PFAS	376-06-7	ug/kg		N	U									
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	PFAS	72629-94-8	ug/kg		N	U									

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE				SED-DUP-20230425			SED-DUP-20230425DUP2			SED-01A			SED-02A		
SYS_SAMPLE_CODE				SED-DUP-20230425			SED-DUP-20230425DUP2			SED-01A-20230425			SED-02A-20230425		
SAMPLEDATE				25 Apr 2023			01 May 2023			25 Apr 2023			25 Apr 2023		
LATITUDE										43.074508			43.072944		
LONGITUDE										-73.8624565			-73.8641113		
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Perfluorobutanoic Acid	PFAS	375-22-4	ug/kg												
Perfluorodecanoic acid (PFDA)	PFAS	335-76-2	ug/kg							N	U		N	U	
Perfluorododecanoic acid (PFDoA)	PFAS	307-55-1	ug/kg							N	U		N	U	
Perfluorononanoic acid (PFNA)	PFAS	375-95-1	ug/kg							N	U		N	U	
Perfluorooctanesulfonic acid (PFOS)	PFAS	1763-23-1	ug/kg							N	U		6.6	Y	
Perfluorooctanoic acid (PFOA)	PFAS	335-67-1	ug/kg							N	U		N	U	
Perfluoroundecanoic Acid (PFUnA)	PFAS	2058-94-8	ug/kg							N	U		N	U	
11-Chloroicosafafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	PFAS	763051-92-9	ug/kg							N	U		N	U	
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	PFAS	39108-34-4	ug/kg							N	U		N	U	
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	PFAS	757124-72-4	ug/kg							N	U		N	U	
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	PFAS	27619-97-2	ug/kg							N	U		N	U	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	PFAS	919005-14-4	ug/kg							N	U		N	U	
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	PFAS	756426-58-1	ug/kg							N	U		N	U	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	PFAS	13252-13-6	ug/kg							N	U		N	U	
N-ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	PFAS	2991-50-6	ug/kg							N	U		N	U	
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	PFAS	2355-31-9	ug/kg							N	U		N	U	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	PFAS	151772-58-6	ug/kg							N	U		N	U	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	PFAS	113507-82-7	ug/kg							N	U		N	U	
Perfluoro-1-butanefulfonamide (FBASA)	PFAS	30334-69-1	ug/kg							N	U		N	U	
Perfluoro-1-hexanesulfonamide (FHxSA)	PFAS	41997-13-1	ug/kg							N	U		N	U	
Perfluoro-3-methoxypropanoic acid (PFMPA)	PFAS	377-73-1	ug/kg							N	U		N	U	
Perfluoro-4-methoxybutanoic acid (PFMBA)	PFAS	863090-89-5	ug/kg							N	U		N	U	
Perfluorobutanesulfonic acid (PFBS)	PFAS	375-73-5	ug/kg							N	U		N	U	
Perfluorodecanesulfonic acid (PFDS)	PFAS	335-77-3	ug/kg							N	U		N	U	
Perfluoroheptanesulfonic acid (PFHpS)	PFAS	375-92-8	ug/kg							N	U		N	U	
Perfluoroheptanoic acid (PFHpA)	PFAS	375-85-9	ug/kg							N	U		N	U	
Perfluorohexanesulfonic acid (PFHxS)	PFAS	355-46-4	ug/kg							N	U		N	U	
Perfluorohexanoic acid (PFHxA)	PFAS	307-24-4	ug/kg							N	U		N	U	
Perfluorononanesulfonic Acid (PFNS)	PFAS	68259-12-1	ug/kg							N	U		N	U	
Perfluorooctane Sulfonamide (PFOSA)	PFAS	754-91-6	ug/kg							N	U		N	U	
Perfluoropentanesulfonic acid (PFPeS)	PFAS	2706-91-4	ug/kg							N	U		N	U	
Perfluoropentanoic Acid (PFPeA)	PFAS	2706-90-3	ug/kg							N	U		N	U	
Perfluorotetradecanoic acid (PFTeDA)	PFAS	376-06-7	ug/kg							N	U		N	U	
Perfluorotridecanoic Acid (PFTriA/PFTriDA)	PFAS	72629-94-8	ug/kg							N	U		N	U	

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound



Table 1  
Sediment Data All Compounds

SYS_LOC_CODE			SED-03A			SED-04A			SED-05			SED-06			
SYS_SAMPLE_CODE			SED-03A-20230425			SED-04A-20230425			SED-05-20230425			SED-06-20230425			
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023			25 Apr 2023			
LATITUDE			43.072298			43.072081			43.072605			43.0728			
LONGITUDE			-73.86477			-73.8641216			-73.8651411			-73.8640575			
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Perfluorobutanoic Acid	PFAS	375-22-4	ug/kg		N	U		N	U		N	U		N	U
Perfluorodecanoic acid (PFDA)	PFAS	335-76-2	ug/kg		N	U	2.1	Y	J		N	U	3.8	Y	J
Perfluorododecanoic acid (PFDoA)	PFAS	307-55-1	ug/kg		N	U		N	U		N	U	1.9	Y	J
Perfluorononanoic acid (PFNA)	PFAS	375-95-1	ug/kg		N	U	2.3	Y	J		N	U	1.1	Y	J
Perfluorooctanesulfonic acid (PFOS)	PFAS	1763-23-1	ug/kg		N	U	34	Y		4.4	Y		27	Y	
Perfluorooctanoic acid (PFOA)	PFAS	335-67-1	ug/kg		N	U	2.5	Y		0.65	Y	J	1.3	Y	J
Perfluoroundecanoic Acid (PFUnA)	PFAS	2058-94-8	ug/kg		N	U		N	U		N	U	3.6	Y	
11-Chloroicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	PFAS	763051-92-9	ug/kg		N	U		N	U		N	U		N	U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	PFAS	39108-34-4	ug/kg		N	U		N	U		N	U		N	U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	PFAS	757124-72-4	ug/kg		N	U		N	U		N	U		N	U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	PFAS	27619-97-2	ug/kg		N	U		N	U		N	U		N	U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	PFAS	919005-14-4	ug/kg		N	U		N	U		N	U		N	U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	PFAS	756426-58-1	ug/kg		N	U		N	U		N	U		N	U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	PFAS	13252-13-6	ug/kg		N	U		N	U		N	U		N	U
N-ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	PFAS	2991-50-6	ug/kg		N	U		N	U		N	U	2.3	Y	J
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	PFAS	2355-31-9	ug/kg		N	U		N	U		N	U		N	U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	PFAS	151772-58-6	ug/kg		N	U		N	U		N	U		N	U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	PFAS	113507-82-7	ug/kg		N	U		N	U		N	U		N	U
Perfluoro-1-butanedisulfonamide (FBSA)	PFAS	30334-69-1	ug/kg		N	U		N	U		N	U		N	U
Perfluoro-1-hexanedisulfonamide (FHxSA)	PFAS	41997-13-1	ug/kg		N	U		N	U		N	U		N	U
Perfluoro-3-methoxypropanoic acid (PFMPA)	PFAS	377-73-1	ug/kg		N	U		N	U		N	U		N	U
Perfluoro-4-methoxybutanoic acid (PFMBA)	PFAS	863090-89-5	ug/kg		N	U		N	U		N	U		N	U
Perfluorobutanesulfonic acid (PFBS)	PFAS	375-73-5	ug/kg		N	U		N	U		N	U		N	U
Perfluorodecanesulfonic acid (PFDS)	PFAS	335-77-3	ug/kg		N	U		N	U		N	U		N	U
Perfluoroheptanesulfonic acid (PFHpS)	PFAS	375-92-8	ug/kg		N	U		N	U		N	U		N	U
Perfluoroheptanoic acid (PFHpA)	PFAS	375-85-9	ug/kg		N	U		N	U		N	U		N	U
Perfluorohexanesulfonic acid (PFHxS)	PFAS	355-46-4	ug/kg		N	U		N	U		N	U		N	U
Perfluorohexanoic acid (PFHxA)	PFAS	307-24-4	ug/kg		N	U		N	U		N	U		N	U
Perfluorononanesulfonic Acid (PFNS)	PFAS	68259-12-1	ug/kg		N	U		N	U		N	U		N	U
Perfluorooctane Sulfonamide (PFOSA)	PFAS	754-91-6	ug/kg		N	U		N	U		N	U		N	U
Perfluoropentanesulfonic acid (PFPeS)	PFAS	2706-91-4	ug/kg		N	U		N	U		N	U		N	U
Perfluoropentanoic Acid (PFPeA)	PFAS	2706-90-3	ug/kg		N	U		N	U		N	U		N	U
Perfluorotetradecanoic acid (PFTeDA)	PFAS	376-06-7	ug/kg		N	U		N	U		N	U		N	U
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	PFAS	72629-94-8	ug/kg		N	U		N	U		N	U		N	U

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE		SED-07			SED-08			SED-09				
SYS_SAMPLE_CODE		SED-07-20230425			SED-08-20230425			SED-09-20230425				
SAMPLEDATE		25 Apr 2023			25 Apr 2023			25 Apr 2023				
LATITUDE		43.072289			43.072328			43.071816				
LONGITUDE		-73.8651146			-73.8640152			-73.8649394				
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Perfluorobutanoic Acid	PFAS	375-22-4	ug/kg	0.91	Y	J						
Perfluorodecanoic acid (PFDA)	PFAS	335-76-2	ug/kg		N	U		N	U		N	U
Perfluorododecanoic acid (PFDoA)	PFAS	307-55-1	ug/kg		N	U		N	U		N	U
Perfluorononanoic acid (PFNA)	PFAS	375-95-1	ug/kg		N	U	0.78	Y	J		N	U
Perfluorooctanesulfonic acid (PFOS)	PFAS	1763-23-1	ug/kg	6.3	Y	J	8.7	Y	J		N	U
Perfluorooctanoic acid (PFOA)	PFAS	335-67-1	ug/kg	1.5	Y	J	0.99	Y	J		N	U
Perfluoroundecanoic Acid (PFUnA)	PFAS	2058-94-8	ug/kg		N	U		N	U		N	U
11-Chloroicosafafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	PFAS	763051-92-9	ug/kg		N	U		N	U		N	U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	PFAS	39108-34-4	ug/kg		N	U		N	U		N	U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	PFAS	757124-72-4	ug/kg		N	U		N	U		N	U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	PFAS	27619-97-2	ug/kg		N	U		N	U		N	U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	PFAS	919005-14-4	ug/kg		N	U		N	U		N	U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	PFAS	756426-58-1	ug/kg		N	U		N	U		N	U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	PFAS	13252-13-6	ug/kg		N	U		N	U		N	U
N-ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	PFAS	2991-50-6	ug/kg		N	U		N	U		N	U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	PFAS	2355-31-9	ug/kg		N	U		N	U		N	U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	PFAS	151772-58-6	ug/kg		N	U		N	U		N	U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	PFAS	113507-82-7	ug/kg		N	U		N	U		N	U
Perfluoro-1-butanefulfonamide (FBSA)	PFAS	30334-69-1	ug/kg		N	U		N	U		N	U
Perfluoro-1-hexanesulfonamide (FHxSA)	PFAS	41997-13-1	ug/kg		N	U		N	U		N	U
Perfluoro-3-methoxypropanoic acid (PFMPA)	PFAS	377-73-1	ug/kg		N	U		N	U		N	U
Perfluoro-4-methoxybutanoic acid (PFMBA)	PFAS	863090-89-5	ug/kg		N	U		N	U		N	U
Perfluorobutanesulfonic acid (PFBS)	PFAS	375-73-5	ug/kg		N	U		N	U		N	U
Perfluorodecanesulfonic acid (PFDS)	PFAS	335-77-3	ug/kg		N	U		N	U		N	U
Perfluoroheptanesulfonic acid (PFHpS)	PFAS	375-92-8	ug/kg		N	U		N	U		N	U
Perfluoroheptanoic acid (PFHpA)	PFAS	375-85-9	ug/kg		N	U		N	U		N	U
Perfluorohexanesulfonic acid (PFHxS)	PFAS	355-46-4	ug/kg		N	U		N	U		N	U
Perfluorohexanoic acid (PFHxA)	PFAS	307-24-4	ug/kg		N	U		N	U		N	U
Perfluorononanesulfonic Acid (PFNS)	PFAS	68259-12-1	ug/kg		N	U		N	U		N	U
Perfluorooctane Sulfonamide (PFOSA)	PFAS	754-91-6	ug/kg		N	U		N	U		N	U
Perfluoropentanesulfonic Acid (PFPeS)	PFAS	2706-91-4	ug/kg		N	U		N	U		N	U
Perfluoropentanoic Acid (PFPeA)	PFAS	2706-90-3	ug/kg		N	U		N	U		N	U
Perfluorotetradecanoic acid (PFTeDA)	PFAS	376-06-7	ug/kg		N	U		N	U		N	U
Perfluorotridecanoic Acid (PFTriA/PFTriDA)	PFAS	72629-94-8	ug/kg		N	U		N	U		N	U

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE		SED-10					SED-11			SED-13		
SYS_SAMPLE_CODE		SED-10-20230425					SED-11-20230425			SED-13-20230425		
SAMPLEDATE		25 Apr 2023					25 Apr 2023			25 Apr 2023		
LATITUDE		43.072057					43.071642			43.07318		
LONGITUDE		-73.8636211					-73.8640285			-73.861861		
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Perfluorobutanoic Acid	PFAS	375-22-4	ug/kg		N	U		N	U		N	U
Perfluorodecanoic acid (PFDA)	PFAS	335-76-2	ug/kg		N	U		N	U	0.8	Y	J
Perfluorododecanoic acid (PFDoA)	PFAS	307-55-1	ug/kg		N	U		N	U		N	U
Perfluorononanoic acid (PFNA)	PFAS	375-95-1	ug/kg	3.4	Y	J		N	U	0.42	Y	J
Perfluorooctanesulfonic acid (PFOS)	PFAS	1763-23-1	ug/kg	26	Y		3.4	Y	J	9.4	Y	
Perfluorooctanoic acid (PFOA)	PFAS	335-67-1	ug/kg	6.9	Y			N	U	1.2	Y	
Perfluoroundecanoic Acid (PFUnA)	PFAS	2058-94-8	ug/kg		N	U		N	U		N	U
11-Chloroicosafafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	PFAS	763051-92-9	ug/kg		N	U		N	U		N	U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	PFAS	39108-34-4	ug/kg		N	U		N	U		N	U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	PFAS	757124-72-4	ug/kg		N	U		N	U		N	U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	PFAS	27619-97-2	ug/kg		N	U		N	U		N	U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	PFAS	919005-14-4	ug/kg		N	U		N	U		N	U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	PFAS	756426-58-1	ug/kg		N	U		N	U		N	U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	PFAS	13252-13-6	ug/kg		N	U		N	U		N	U
N-ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	PFAS	2991-50-6	ug/kg		N	U		N	U		N	U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	PFAS	2355-31-9	ug/kg		N	U		N	U		N	U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	PFAS	151772-58-6	ug/kg		N	U		N	U		N	U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	PFAS	113507-82-7	ug/kg		N	U		N	U		N	U
Perfluoro-1-butanefulfonamide (FBSA)	PFAS	30334-69-1	ug/kg		N	U		N	U		N	U
Perfluoro-1-hexanesulfonamide (FHxSA)	PFAS	41997-13-1	ug/kg		N	U		N	U		N	U
Perfluoro-3-methoxypropanoic acid (PFMPA)	PFAS	377-73-1	ug/kg		N	U		N	U		N	U
Perfluoro-4-methoxybutanoic acid (PFMBA)	PFAS	863090-89-5	ug/kg		N	U		N	U		N	U
Perfluorobutanesulfonic acid (PFBS)	PFAS	375-73-5	ug/kg		N	U		N	U		N	U
Perfluorodecanesulfonic acid (PFDS)	PFAS	335-77-3	ug/kg		N	U		N	U		N	U
Perfluoroheptanesulfonic acid (PFHpS)	PFAS	375-92-8	ug/kg		N	U		N	U		N	U
Perfluoroheptanoic acid (PFHpA)	PFAS	375-85-9	ug/kg		N	U		N	U		N	U
Perfluorohexanesulfonic acid (PFHxS)	PFAS	355-46-4	ug/kg		N	U		N	U		N	U
Perfluorohexanoic acid (PFHxA)	PFAS	307-24-4	ug/kg		N	U		N	U		N	U
Perfluorononanesulfonic Acid (PFNS)	PFAS	68259-12-1	ug/kg		N	U		N	U		N	U
Perfluorooctane Sulfonamide (PFOSA)	PFAS	754-91-6	ug/kg		N	U		N	U		N	U
Perfluoropentanesulfonic Acid (PFPeS)	PFAS	2706-91-4	ug/kg		N	U		N	U		N	U
Perfluoropentanoic Acid (PFPeA)	PFAS	2706-90-3	ug/kg		N	U		N	U		N	U
Perfluorotetradecanoic acid (PFTeDA)	PFAS	376-06-7	ug/kg		N	U		N	U		N	U
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	PFAS	72629-94-8	ug/kg		N	U		N	U		N	U

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE		DUPLICATE-2023-04-25					SED-01A-20230425DUP1			SED-05-20230425DUP1			SED-07-20230425DUP1		
SYS_SAMPLE_CODE		25 Apr 2023					01 May 2023			02 May 2023			03 May 2023		
SAMPLEDATE															
LATITUDE															
LONGITUDE															
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
1,1,1-Trichloroethane (TCA)		71-55-6	mg/kg												
1,1,2,2-Tetrachloroethane		79-34-5	mg/kg												
1,1,2-Trichloro-1,2,2-Trifluoroethane		76-13-1	mg/kg												
1,1,2-Trichloroethane		79-00-5	mg/kg												
1,1-Dichloroethane		75-34-3	mg/kg												
1,1-Dichloroethene		75-35-4	mg/kg												
1,2,3-Trichlorobenzene		87-61-6	mg/kg												
1,2,4,5-Tetrachlorobenzene		95-94-3	mg/kg												
1,2,4-Trichlorobenzene		120-82-1	mg/kg												
1,2-Dibromo-3-Chloropropane		96-12-8	mg/kg												
1,2-Dibromoethane (Ethylene Dibromide)		106-93-4	mg/kg												
1,2-Dichlorobenzene		95-50-1	mg/kg												
1,2-Dichloroethane		107-06-2	mg/kg												
1,2-Dichloropropane		78-87-5	mg/kg												
1,3-Dichlorobenzene		541-73-1	mg/kg												
1,4-Dichlorobenzene		106-46-7	mg/kg												
1,4-Dioxane (P-Dioxane)		123-91-1	mg/kg												
2,4,5-Trichlorophenol		95-95-4	mg/kg												
2,4,6-Trichlorophenol		88-06-2	mg/kg												
2,4-Dichlorophenol		120-83-2	mg/kg												
2,4-Dimethylphenol		105-67-9	mg/kg												
2,4-Dinitrophenol		51-28-5	mg/kg												
2,4-Dinitrotoluene		121-14-2	mg/kg												
2,6-Dinitrotoluene		606-20-2	mg/kg												
2-Chloronaphthalene		91-58-7	mg/kg												
2-Chlorophenol		95-57-8	mg/kg												
2-Hexanone		591-78-6	mg/kg												
2-Methylnaphthalene		91-57-6	mg/kg												
2-Methylphenol (O-Cresol)		95-48-7	mg/kg												
2-Nitroaniline		88-74-4	mg/kg												
2-Nitrophenol		88-75-5	mg/kg												
3- And 4- Methylphenol (Total)		MEPH3MEPH	mg/kg												
3,3'-Dichlorobenzidine		91-94-1	mg/kg												
3-Nitroaniline		99-09-2	mg/kg												
4,6-Dinitro-2-Methylphenol		534-52-1	mg/kg												
4-Bromophenyl Phenyl Ether		101-55-3	mg/kg												
4-Chloro-3-Methylphenol		59-50-7	mg/kg												
4-Chloroaniline		106-47-8	mg/kg												
4-Chlorophenyl Phenyl Ether		7005-72-3	mg/kg												
4-Nitroaniline		100-01-6	mg/kg												
4-Nitrophenol		100-02-7	mg/kg												
Acenaphthylene		208-96-8	mg/kg												
Acetone		67-64-1	mg/kg												
Acetophenone		98-86-2	mg/kg												
Antimony		7440-36-0	mg/kg												
Atrazine		1912-24-9	mg/kg												
Benzaldehyde		100-52-7	mg/kg												
Benzene		71-43-2	mg/kg												
Beryllium		7440-41-7	mg/kg												
Biphenyl (Diphenyl or 1,1'-Biphenyl)		92-52-4	mg/kg												
Bis(2-Chloroethoxy) Methane		111-91-1	mg/kg												
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		111-44-4	mg/kg												
Bis(2-Chloroisopropyl) Ether		108-60-1	mg/kg												
Bromochloromethane		74-97-5	mg/kg												
Bromodichloromethane		75-27-4	mg/kg												
Bromofom		75-25-2	mg/kg												
Bromomethane		74-83-9	mg/kg												
Caprolactam		105-60-2	mg/kg												
Carbazole		86-74-8	mg/kg												

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE		SED-DUP-20230425				SED-DUP-20230425DUP2			SED-01A			SED-02A			
SYS_SAMPLE_CODE		SED-DUP-20230425				SED-DUP-20230425DUP2			SED-01A-20230425			SED-02A-20230425			
SAMPLEDATE		25 Apr 2023				01 May 2023			25 Apr 2023			25 Apr 2023			
LATITUDE									43.074508			43.072944			
LONGITUDE									-73.8624565			-73.8641113			
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
1,1,1-Trichloroethane (TCA)		71-55-6	mg/kg		N	U									
1,1,2,2-Tetrachloroethane		79-34-5	mg/kg		N	U									
1,1,2-Trichloro-1,2,2-Trifluoroethane		76-13-1	mg/kg		N	U									
1,1,2-Trichloroethane		79-00-5	mg/kg		N	U									
1,1-Dichloroethane		75-34-3	mg/kg		N	U									
1,1-Dichloroethene		75-35-4	mg/kg		N	U									
1,2,3-Trichlorobenzene		87-61-6	mg/kg		N	U									
1,2,4,5-Tetrachlorobenzene		95-94-3	mg/kg		N	U									
1,2,4-Trichlorobenzene		120-82-1	mg/kg		N	U									
1,2-Dibromo-3-Chloropropane		96-12-8	mg/kg		N	U									
1,2-Dibromoethane (Ethylene Dibromide)		106-93-4	mg/kg		N	U									
1,2-Dichlorobenzene		95-50-1	mg/kg		N	U									
1,2-Dichloroethane		107-06-2	mg/kg		N	U									
1,2-Dichloropropane		78-87-5	mg/kg		N	U									
1,3-Dichlorobenzene		541-73-1	mg/kg		N	U									
1,4-Dichlorobenzene		106-46-7	mg/kg		N	U									
1,4-Dioxane (P-Dioxane)		123-91-1	mg/kg		N	U									
2,4,5-Trichlorophenol		95-95-4	mg/kg		N	U									
2,4,6-Trichlorophenol		88-06-2	mg/kg		N	U									
2,4-Dichlorophenol		120-83-2	mg/kg		N	U									
2,4-Dimethylphenol		105-67-9	mg/kg		N	U									
2,4-Dinitrophenol		51-28-5	mg/kg		N	U									
2,4-Dinitrotoluene		121-14-2	mg/kg		N	U									
2,6-Dinitrotoluene		606-20-2	mg/kg		N	U									
2-Chloronaphthalene		91-58-7	mg/kg		N	U									
2-Chlorophenol		95-57-8	mg/kg		N	U									
2-Hexanone		591-78-6	mg/kg		N	U									
2-Methylnaphthalene		91-57-6	mg/kg		N	U									
2-Methylphenol (O-Cresol)		95-48-7	mg/kg		N	U									
2-Nitroaniline		88-74-4	mg/kg		N	U									
2-Nitrophenol		88-75-5	mg/kg		N	U									
3- And 4- Methylphenol (Total)		MEPH3MEPH	mg/kg		N	U									
3,3'-Dichlorobenzidine		91-94-1	mg/kg		N	U									
3-Nitroaniline		99-09-2	mg/kg		N	U									
4,6-Dinitro-2-Methylphenol		534-52-1	mg/kg		N	U									
4-Bromophenyl Phenyl Ether		101-55-3	mg/kg		N	U									
4-Chloro-3-Methylphenol		59-50-7	mg/kg		N	U									
4-Chloroaniline		106-47-8	mg/kg		N	U									
4-Chlorophenyl Phenyl Ether		7005-72-3	mg/kg		N	U									
4-Nitroaniline		100-01-6	mg/kg		N	U									
4-Nitrophenol		100-02-7	mg/kg		N	U									
Acenaphthylene		208-96-8	mg/kg		N	U									
Acetone		67-64-1	mg/kg		N	U				0.036	Y	J			
Acetophenone		98-86-2	mg/kg		N	U									
Antimony		7440-36-0	mg/kg		N	U									
Atrazine		1912-24-9	mg/kg		N	U									
Benzaldehyde		100-52-7	mg/kg		0.21	Y	J						0.14	Y	J
Benzene		71-43-2	mg/kg		N	U									
Beryllium		7440-41-7	mg/kg		0.25	Y	J			0.18	Y	J			
Biphenyl (Diphenyl or 1,1'-Biphenyl)		92-52-4	mg/kg		N	U									
Bis(2-Chloroethoxy) Methane		111-91-1	mg/kg		N	U									
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		111-44-4	mg/kg		N	U									
Bis(2-Chloroisopropyl) Ether		108-60-1	mg/kg		N	U									
Bromochloromethane		74-97-5	mg/kg		N	U									
Bromodichloromethane		75-27-4	mg/kg		N	U									
Bromoform		75-25-2	mg/kg		N	U									
Bromomethane		74-83-9	mg/kg		N	U									
Caprolactam		105-60-2	mg/kg		N	U									
Carbazole		86-74-8	mg/kg		1.1	Y							0.46	Y	J

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE			SED-03A			SED-04A			SED-05			SED-06			
SYS_SAMPLE_CODE			SED-03A-20230425			SED-04A-20230425			SED-05-20230425			SED-06-20230425			
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023			25 Apr 2023			
LATITUDE			43.072298			43.072081			43.072605			43.0728			
LONGITUDE			-73.86477			-73.8641216			-73.8651411			-73.8640575			
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
1,1,1-Trichloroethane (TCA)		71-55-6	mg/kg	N		U	N		U	N		U	N		U
1,1,2,2-Tetrachloroethane		79-34-5	mg/kg	N		U	N		U	N		U	N		U
1,1,2-Trichloro-1,2,2-Trifluoroethane		76-13-1	mg/kg	N		U	N		U	N		U	N		U
1,1,2-Trichloroethane		79-00-5	mg/kg	N		U	N		U	N		U	N		U
1,1-Dichloroethane		75-34-3	mg/kg	N		U	N		U	N		U	N		U
1,1-Dichloroethene		75-35-4	mg/kg	N		U	N		U	N		U	N		U
1,2,3-Trichlorobenzene		87-61-6	mg/kg	N		U	N		U	N		U	N		U
1,2,4,5-Tetrachlorobenzene		95-94-3	mg/kg	N		U	N		U	N		U	N		U
1,2,4-Trichlorobenzene		120-82-1	mg/kg	N		U	N		U	N		U	N		U
1,2-Dibromo-3-Chloropropane		96-12-8	mg/kg	N		U	N		U	N		U	N		U
1,2-Dibromoethane (Ethylene Dibromide)		106-93-4	mg/kg	N		U	N		U	N		U	N		U
1,2-Dichlorobenzene		95-50-1	mg/kg	N		U	N		U	N		U	N		U
1,2-Dichloroethane		107-06-2	mg/kg	N		U	N		U	N		U	N		U
1,2-Dichloropropane		78-87-5	mg/kg	N		U	N		U	N		U	N		U
1,3-Dichlorobenzene		541-73-1	mg/kg	N		U	N		U	N		U	N		U
1,4-Dichlorobenzene		106-46-7	mg/kg	N		U	N		U	N		U	N		U
1,4-Dioxane (P-Dioxane)		123-91-1	mg/kg	N		U	N		U	N		U	N		U
2,4,5-Trichlorophenol		95-95-4	mg/kg	N		U	N		U	N		U	N		U
2,4,6-Trichlorophenol		88-06-2	mg/kg	N		U	N		U	N		U	N		U
2,4-Dichlorophenol		120-83-2	mg/kg	N		U	N		U	N		U	N		U
2,4-Dimethylphenol		105-67-9	mg/kg	N		U	N		U	N		U	N		U
2,4-Dinitrophenol		51-28-5	mg/kg	N		U	N		U	N		U	N		U
2,4-Dinitrotoluene		121-14-2	mg/kg	N		U	N		U	N		U	N		U
2,6-Dinitrotoluene		606-20-2	mg/kg	N		U	N		U	N		U	N		U
2-Chloronaphthalene		91-58-7	mg/kg	N		U	N		U	N		U	N		U
2-Chlorophenol		95-57-8	mg/kg	N		U	N		U	N		U	N		U
2-Hexanone		591-78-6	mg/kg	N		U	N		U	N		U	N		U
2-Methylnaphthalene		91-57-6	mg/kg	N		U	N		U	N		U	N		U
2-Methylphenol (O-Cresol)		95-48-7	mg/kg	N		U	N		U	N		U	N		U
2-Nitroaniline		88-74-4	mg/kg	N		U	N		U	N		U	N		U
2-Nitrophenol		88-75-5	mg/kg	N		U	N		U	N		U	N		U
3- And 4- Methylphenol (Total)		MEPH3MEPH	mg/kg	N		U	N		U	N		U	N		U
3,3'-Dichlorobenzidine		91-94-1	mg/kg	N		U	N		U	N		U	N		U
3-Nitroaniline		99-09-2	mg/kg	N		U	N		U	N		U	N		U
4,6-Dinitro-2-Methylphenol		534-52-1	mg/kg	N		U	N		U	N		U	N		U
4-Bromophenyl Phenyl Ether		101-55-3	mg/kg	N		U	N		U	N		U	N		U
4-Chloro-3-Methylphenol		59-50-7	mg/kg	N		U	N		U	N		U	N		U
4-Chloroaniline		106-47-8	mg/kg	N		U	N		U	N		U	N		U
4-Chlorophenyl Phenyl Ether		7005-72-3	mg/kg	N		U	N		U	N		U	N		U
4-Nitroaniline		100-01-6	mg/kg	N		U	N		U	N		U	N		U
4-Nitrophenol		100-02-7	mg/kg	N		U	N		U	N		U	N		U
Acenaphthylene		208-96-8	mg/kg	N		U	N		U	N		U	N		U
Acetone		67-64-1	mg/kg	0.15	Y	J	N		U	0.086	Y	J	N		U
Acetophenone		98-86-2	mg/kg	N		U	N		U	N		U	N		U
Antimony		7440-36-0	mg/kg	N		U	N		U	N		U	N		U
Atrazine		1912-24-9	mg/kg	N		U	N		U	N		U	N		U
Benzaldehyde		100-52-7	mg/kg	0.4	Y	J	N		U	0.52	Y	J	N		U
Benzene		71-43-2	mg/kg	N		U	N		U	N		U	N		U
Beryllium		7440-41-7	mg/kg	0.41	Y	J	N		U	0.34	Y	J	N		U
Biphenyl (Diphenyl or 1,1'-Biphenyl)		92-52-4	mg/kg	N		U	N		U	N		U	N		U
Bis(2-Chloroethoxy) Methane		111-91-1	mg/kg	N		U	N		U	N		U	N		U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		111-44-4	mg/kg	N		U	N		U	N		U	N		U
Bis(2-Chloroisopropyl) Ether		108-60-1	mg/kg	N		U	N		U	N		U	N		U
Bromochloromethane		74-97-5	mg/kg	N		U	N		U	N		U	N		U
Bromodichloromethane		75-27-4	mg/kg	N		U	N		U	N		U	N		U
Bromofom		75-25-2	mg/kg	N		U	N		U	N		U	N		U
Bromomethane		74-83-9	mg/kg	N		U	N		U	N		U	N		U
Caprolactam		105-60-2	mg/kg	N		U	N		U	N		U	N		U
Carbazole		86-74-8	mg/kg	N		U	N		U	N		U	N		U

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE			SED-07			SED-08			SED-09			
SYS_SAMPLE_CODE			SED-07-20230425			SED-08-20230425			SED-09-20230425			
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023			
LATITUDE			43.072289			43.072328			43.071816			
LONGITUDE			-73.8651146			-73.8640152			-73.8649394			
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
1,1,1-Trichloroethane (TCA)		71-55-6	mg/kg		N	U		N	U		N	U
1,1,2,2-Tetrachloroethane		79-34-5	mg/kg		N	U		N	U		N	U
1,1,2-Trichloro-1,2,2-Trifluoroethane		76-13-1	mg/kg		N	U		N	U		N	U
1,1,2-Trichloroethane		79-00-5	mg/kg		N	U		N	U		N	U
1,1-Dichloroethane		75-34-3	mg/kg		N	U		N	U		N	U
1,1-Dichloroethene		75-35-4	mg/kg		N	U		N	U		N	U
1,2,3-Trichlorobenzene		87-61-6	mg/kg		N	U		N	U		N	U
1,2,4,5-Tetrachlorobenzene		95-94-3	mg/kg		N	U		N	U		N	U
1,2,4-Trichlorobenzene		120-82-1	mg/kg		N	U		N	U		N	U
1,2-Dibromo-3-Chloropropane		96-12-8	mg/kg		N	U		N	U		N	U
1,2-Dibromoethane (Ethylene Dibromide)		106-93-4	mg/kg		N	U		N	U		N	U
1,2-Dichlorobenzene		95-50-1	mg/kg		N	U		N	U		N	U
1,2-Dichloroethane		107-06-2	mg/kg		N	U		N	U		N	U
1,2-Dichloropropane		78-87-5	mg/kg		N	U		N	U		N	U
1,3-Dichlorobenzene		541-73-1	mg/kg		N	U		N	U		N	U
1,4-Dichlorobenzene		106-46-7	mg/kg		N	U		N	U		N	U
1,4-Dioxane (P-Dioxane)		123-91-1	mg/kg		N	U		N	U		N	U
2,4,5-Trichlorophenol		95-95-4	mg/kg		N	U		N	U		N	U
2,4,6-Trichlorophenol		88-06-2	mg/kg		N	U		N	U		N	U
2,4-Dichlorophenol		120-83-2	mg/kg		N	U		N	U		N	U
2,4-Dimethylphenol		105-67-9	mg/kg		N	U		N	U		N	U
2,4-Dinitrophenol		51-28-5	mg/kg		N	U		N	U		N	U
2,4-Dinitrotoluene		121-14-2	mg/kg		N	U		N	U		N	U
2,6-Dinitrotoluene		606-20-2	mg/kg		N	U		N	U		N	U
2-Chloronaphthalene		91-58-7	mg/kg		N	U		N	U		N	U
2-Chlorophenol		95-57-8	mg/kg		N	U		N	U		N	U
2-Hexanone		591-78-6	mg/kg		N	U		N	U		N	U
2-Methylnaphthalene		91-57-6	mg/kg		N	U		N	U		N	U
2-Methylphenol (O-Cresol)		95-48-7	mg/kg		N	U		N	U		N	U
2-Nitroaniline		88-74-4	mg/kg		N	U		N	U		N	U
2-Nitrophenol		88-75-5	mg/kg		N	U		N	U		N	U
3- And 4- Methylphenol (Total)		MEPH3MEPH	mg/kg		N	U		N	U		N	U
3,3'-Dichlorobenzidine		91-94-1	mg/kg		N	U		N	U		N	U
3-Nitroaniline		99-09-2	mg/kg		N	U		N	U		N	U
4,6-Dinitro-2-Methylphenol		534-52-1	mg/kg		N	U		N	U		N	U
4-Bromophenyl Phenyl Ether		101-55-3	mg/kg		N	U		N	U		N	U
4-Chloro-3-Methylphenol		59-50-7	mg/kg		N	U		N	U		N	U
4-Chloroaniline		106-47-8	mg/kg		N	U		N	U		N	U
4-Chlorophenyl Phenyl Ether		7005-72-3	mg/kg		N	U		N	U		N	U
4-Nitroaniline		100-01-6	mg/kg		N	U		N	U		N	U
4-Nitrophenol		100-02-7	mg/kg		N	U		N	U		N	U
Acenaphthylene		208-96-8	mg/kg		N	U		N	U		N	U
Acetone		67-64-1	mg/kg	0.23	Y	J	0.11	Y	J	4.9	Y	J
Acetophenone		98-86-2	mg/kg		N	U		N	U		N	U
Antimony		7440-36-0	mg/kg		N	U		N	U		N	U
Atrazine		1912-24-9	mg/kg		N	U		N	U		N	U
Benzaldehyde		100-52-7	mg/kg	0.38	Y	J	0.43	Y	J		N	U
Benzene		71-43-2	mg/kg		N	U		N	U		N	U
Beryllium		7440-41-7	mg/kg		N	U	0.49	Y	J		N	U
Biphenyl (Diphenyl or 1,1'-Biphenyl)		92-52-4	mg/kg		N	U		N	U		N	U
Bis(2-Chloroethoxy) Methane		111-91-1	mg/kg		N	U		N	U		N	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		111-44-4	mg/kg		N	U		N	U		N	U
Bis(2-Chloroisopropyl) Ether		108-60-1	mg/kg		N	U		N	U		N	U
Bromochloromethane		74-97-5	mg/kg		N	U		N	U		N	U
Bromodichloromethane		75-27-4	mg/kg		N	U		N	U		N	U
Bromoform		75-25-2	mg/kg		N	U		N	U		N	U
Bromomethane		74-83-9	mg/kg		N	U		N	U	1.5	Y	J
Caprolactam		105-60-2	mg/kg		N	U		N	U	0.44	Y	J
Carbazole		86-74-8	mg/kg		N	U		N	U		N	U

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE			SED-10			SED-11			SED-13			
SYS_SAMPLE_CODE			SED-10-20230425			SED-11-20230425			SED-13-20230425			
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023			
LATITUDE			43.072057			43.071642			43.07318			
LONGITUDE			-73.8636211			-73.8640285			-73.861861			
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
1,1,1-Trichloroethane (TCA)		71-55-6	mg/kg	N		U	N		U	N		U
1,1,2,2-Tetrachloroethane		79-34-5	mg/kg	N		U	N		U	N		U
1,1,2-Trichloro-1,2,2-Trifluoroethane		76-13-1	mg/kg	N		U	N		U	N		U
1,1,2-Trichloroethane		79-00-5	mg/kg	N		U	N		U	N		U
1,1-Dichloroethane		75-34-3	mg/kg	N		U	N		U	N		U
1,1-Dichloroethene		75-35-4	mg/kg	N		U	N		U	N		U
1,2,3-Trichlorobenzene		87-61-6	mg/kg	N		U	N		U	N		U
1,2,4,5-Tetrachlorobenzene		95-94-3	mg/kg	N		U	N		U	N		U
1,2,4-Trichlorobenzene		120-82-1	mg/kg	N		U	N		U	N		U
1,2-Dibromo-3-Chloropropane		96-12-8	mg/kg	N		U	N		U	N		U
1,2-Dibromoethane (Ethylene Dibromide)		106-93-4	mg/kg	N		U	N		U	N		U
1,2-Dichlorobenzene		95-50-1	mg/kg	N		U	N		U	N		U
1,2-Dichloroethane		107-06-2	mg/kg	N		U	N		U	N		U
1,2-Dichloropropane		78-87-5	mg/kg	N		U	N		U	N		U
1,3-Dichlorobenzene		541-73-1	mg/kg	N		U	N		U	N		U
1,4-Dichlorobenzene		106-46-7	mg/kg	N		U	N		U	N		U
1,4-Dioxane (P-Dioxane)		123-91-1	mg/kg	N		U	N		U	N		U
2,4,5-Trichlorophenol		95-95-4	mg/kg	N		U	N		U	N		U
2,4,6-Trichlorophenol		88-06-2	mg/kg	N		U	N		U	N		U
2,4-Dichlorophenol		120-83-2	mg/kg	N		U	N		U	N		U
2,4-Dimethylphenol		105-67-9	mg/kg	N		U	N		U	N		U
2,4-Dinitrophenol		51-28-5	mg/kg	N		U	N		U	N		U
2,4-Dinitrotoluene		121-14-2	mg/kg	N		U	N		U	N		U
2,6-Dinitrotoluene		606-20-2	mg/kg	N		U	N		U	N		U
2-Chloronaphthalene		91-58-7	mg/kg	N		U	N		U	N		U
2-Chlorophenol		95-57-8	mg/kg	N		U	N		U	N		U
2-Hexanone		591-78-6	mg/kg	N		U	N		U	N		U
2-Methylnaphthalene		91-57-6	mg/kg	N		U	N		U	N		U
2-Methylphenol (O-Cresol)		95-48-7	mg/kg	N		U	N		U	N		U
2-Nitroaniline		88-74-4	mg/kg	N		U	N		U	N		U
2-Nitrophenol		88-75-5	mg/kg	N		U	N		U	N		U
3- And 4- Methylphenol (Total)		MEPH3MEPH	mg/kg	N		U	N		U	N		U
3,3'-Dichlorobenzidine		91-94-1	mg/kg	N		U	N		U	N		U
3-Nitroaniline		99-09-2	mg/kg	N		U	N		U	N		U
4,6-Dinitro-2-Methylphenol		534-52-1	mg/kg	N		U	N		U	N		U
4-Bromophenyl Phenyl Ether		101-55-3	mg/kg	N		U	N		U	N		U
4-Chloro-3-Methylphenol		59-50-7	mg/kg	N		U	N		U	N		U
4-Chloroaniline		106-47-8	mg/kg	N		U	N		U	N		U
4-Chlorophenyl Phenyl Ether		7005-72-3	mg/kg	N		U	N		U	N		U
4-Nitroaniline		100-01-6	mg/kg	N		U	N		U	N		U
4-Nitrophenol		100-02-7	mg/kg	N		U	N		U	N		U
Acenaphthylene		208-96-8	mg/kg	N		U	N		U	N		U
Acetone		67-64-1	mg/kg	0.043	Y	J	0.44	Y	J	0.029	Y	J
Acetophenone		98-86-2	mg/kg	N		U	N		U	N		U
Antimony		7440-36-0	mg/kg	N		U	N		U	N		U
Atrazine		1912-24-9	mg/kg	N		U	N		U	N		U
Benzaldehyde		100-52-7	mg/kg	N		U	0.6	Y	J	0.5	Y	J
Benzene		71-43-2	mg/kg	N		U	N		U	N		U
Beryllium		7440-41-7	mg/kg	0.26	Y	J	N		U	0.18	Y	J
Biphenyl (Diphenyl or 1,1'-Biphenyl)		92-52-4	mg/kg	N		U	N		U	N		U
Bis(2-Chloroethoxy) Methane		111-91-1	mg/kg	N		U	N		U	N		U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		111-44-4	mg/kg	N		U	N		U	N		U
Bis(2-Chloroisopropyl) Ether		108-60-1	mg/kg	N		U	N		U	N		U
Bromochloromethane		74-97-5	mg/kg	N		U	N		U	N		U
Bromodichloromethane		75-27-4	mg/kg	N		U	N		U	N		U
Bromofom		75-25-2	mg/kg	N		U	N		U	N		U
Bromomethane		74-83-9	mg/kg	N		U	N		U	N		U
Caprolactam		105-60-2	mg/kg	N		U	N		U	N		U
Carbazole		86-74-8	mg/kg	N		U	N		U	N		U

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound



Table 1  
Sediment Data All Compounds

SYS_LOC_CODE			DUPLICATE-2023-04-25			SED-01A-20230425DUP1			SED-05-20230425DUP1			SED-07-20230425DUP1			
SYS_SAMPLE_CODE			25 Apr 2023			01 May 2023			02 May 2023			03 May 2023			
SAMPLEDATE			LATITUDE			LONGITUDE									
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Carbon Disulfide		75-15-0	mg/kg												
Carbon Tetrachloride		56-23-5	mg/kg												
Chlorobenzene		108-90-7	mg/kg												
Chloroethane		75-00-3	mg/kg												
Chloroform		67-66-3	mg/kg												
Chloromethane (Methyl Chloride)		74-87-3	mg/kg												
Chromium, Total		7440-47-3	mg/kg												
Cis-1,2-Dichloroethylene		156-59-2	mg/kg												
Cis-1,3-Dichloropropene		10061-01-5	mg/kg												
Cobalt		7440-48-4	mg/kg												
Cyclohexane		110-82-7	mg/kg												
Dibromochloromethane		124-48-1	mg/kg												
Dichlorodifluoromethane		75-71-8	mg/kg												
Diethyl Phthalate		84-66-2	mg/kg												
Dimethyl Phthalate		131-11-3	mg/kg												
Di-N-Butyl Phthalate		84-74-2	mg/kg												
Di-N-Octylphthalate		117-84-0	mg/kg												
Ethylbenzene		100-41-4	mg/kg												
Hexachlorobenzene		118-74-1	mg/kg												
Hexachlorobutadiene		87-68-3	mg/kg												
Hexachlorocyclopentadiene		77-47-4	mg/kg												
Hexachloroethane		67-72-1	mg/kg												
Isophorone		78-59-1	mg/kg												
Isopropylbenzene (Cumene)		98-82-8	mg/kg												
Methyl Acetate		79-20-9	mg/kg												
Methyl Ethyl Ketone (2-Butanone)		78-93-3	mg/kg												
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		108-10-1	mg/kg												
Methylcyclohexane		108-87-2	mg/kg												
Methylene Chloride		75-09-2	mg/kg												
Nitrobenzene		98-95-3	mg/kg												
N-Nitrosodi-N-Propylamine		621-64-7	mg/kg												
N-Nitrosodiphenylamine		86-30-6	mg/kg												
Pentachlorophenol		87-86-5	mg/kg												
Phenol		108-95-2	mg/kg												
Selenium		7782-49-2	mg/kg												
Solids, Percent		SOLID	%		27.4	Y									
Styrene		100-42-5	mg/kg												
Tert-Butyl Methyl Ether		1634-04-4	mg/kg												
Tetrachloroethylene (PCE)		127-18-4	mg/kg												
Thallium		7440-28-0	mg/kg												
Toluene		108-88-3	mg/kg												
Total Organic Carbon		TOC	mg/kg				13000	Y		38500	Y		72500	Y	
Trans-1,2-Dichloroethene		156-60-5	mg/kg												
Trans-1,3-Dichloropropene		10061-02-6	mg/kg												
Trichloroethylene (TCE)		79-01-6	mg/kg												
Trichlorofluoromethane		75-69-4	mg/kg												
Vinyl Chloride		75-01-4	mg/kg												
Xylenes		1330-20-7	mg/kg												
pH		pH	ph units												

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE			SED-DUP-20230425			SED-DUP-20230425DUP2			SED-01A			SED-02A			
SYS_SAMPLE_CODE			SED-DUP-20230425			SED-DUP-20230425DUP2			SED-01A-20230425			SED-02A-20230425			
SAMPLEDATE			25 Apr 2023			01 May 2023			25 Apr 2023			25 Apr 2023			
LATITUDE									43.074508			43.072944			
LONGITUDE									-73.8624565			-73.8641113			
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Carbon Disulfide		75-15-0	mg/kg		N	U									
Carbon Tetrachloride		56-23-5	mg/kg		N	U									
Chlorobenzene		108-90-7	mg/kg		N	U									
Chloroethane		75-00-3	mg/kg		N	U									
Chloroform		67-66-3	mg/kg		N	U									
Chloromethane (Methyl Chloride)		74-87-3	mg/kg		N	U									
Chromium, Total		7440-47-3	mg/kg	20	Y					7.9	Y		6.8	Y	
Cis-1,2-Dichloroethylene		156-59-2	mg/kg		N	U									
Cis-1,3-Dichloropropene		10061-01-5	mg/kg		N	U									
Cobalt		7440-48-4	mg/kg	5.1	Y	J				1.6	Y	J	1.5	Y	J
Cyclohexane		110-82-7	mg/kg		N	U									
Dibromochloromethane		124-48-1	mg/kg		N	U									
Dichlorodifluoromethane		75-71-8	mg/kg		N	U									
Diethyl Phthalate		84-66-2	mg/kg		N	U									
Dimethyl Phthalate		131-11-3	mg/kg		N	U									
Di-N-Butyl Phthalate		84-74-2	mg/kg		N	U									
Di-N-Octylphthalate		117-84-0	mg/kg		N	U									
Ethylbenzene		100-41-4	mg/kg		N	U									
Hexachlorobenzene		118-74-1	mg/kg		N	U									
Hexachlorobutadiene		87-68-3	mg/kg		N	U									
Hexachlorocyclopentadiene		77-47-4	mg/kg		N	U									
Hexachloroethane		67-72-1	mg/kg		N	U									
Isophorone		78-59-1	mg/kg		N	U									
Isopropylbenzene (Cumene)		98-82-8	mg/kg		N	U									
Methyl Acetate		79-20-9	mg/kg		N	U									
Methyl Ethyl Ketone (2-Butanone)		78-93-3	mg/kg		N	U									
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		108-10-1	mg/kg		N	U									
Methylcyclohexane		108-87-2	mg/kg		N	U									
Methylene Chloride		75-09-2	mg/kg		N	U									
Nitrobenzene		98-95-3	mg/kg		N	U									
N-Nitrosodi-N-Propylamine		621-64-7	mg/kg		N	U									
N-Nitrosodiphenylamine		86-30-6	mg/kg		N	U									
Pentachlorophenol		87-86-5	mg/kg		N	U									
Phenol		108-95-2	mg/kg		N	U									
Selenium		7782-49-2	mg/kg		N	U									
Solids, Percent		SOLID	%	29.1	Y					45.9	Y		12.9	Y	
Styrene		100-42-5	mg/kg		N	U									
Tert-Butyl Methyl Ether		1634-04-4	mg/kg		N	U									
Tetrachloroethylene (PCE)		127-18-4	mg/kg		N	U									
Thallium		7440-28-0	mg/kg		N	U									
Toluene		108-88-3	mg/kg		N	U									
Total Organic Carbon		TOC	mg/kg	86000	Y					16000	Y		110000	Y	
Trans-1,2-Dichloroethene		156-60-5	mg/kg		N	U									
Trans-1,3-Dichloropropene		10061-02-6	mg/kg		N	U									
Trichloroethylene (TCE)		79-01-6	mg/kg		N	U									
Trichlorofluoromethane		75-69-4	mg/kg		N	U									
Vinyl Chloride		75-01-4	mg/kg		N	U									
Xylenes		1330-20-7	mg/kg		N	U									
pH		pH	ph units	7.1	Y		7.1	Y		8.1	Y		7.2	Y	

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE			SED-03A			SED-04A			SED-05			SED-06			
SYS_SAMPLE_CODE			SED-03A-20230425			SED-04A-20230425			SED-05-20230425			SED-06-20230425			
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023			25 Apr 2023			
LATITUDE			43.072298			43.072081			43.072605			43.0728			
LONGITUDE			-73.86477			-73.8641216			-73.8651411			-73.8640575			
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Carbon Disulfide		75-15-0	mg/kg		N	U		N	U		N	U		N	U
Carbon Tetrachloride		56-23-5	mg/kg		N	U		N	U		N	U		N	U
Chlorobenzene		108-90-7	mg/kg		N	U		N	U		N	U		N	U
Chloroethane		75-00-3	mg/kg		N	U		N	U		N	U		N	U
Chloroform		67-66-3	mg/kg		N	U		N	U		N	U		N	U
Chloromethane (Methyl Chloride)		74-87-3	mg/kg		N	U		N	U		N	U		N	U
Chromium, Total		7440-47-3	mg/kg	21	Y		4	Y		17	Y		9.6	Y	
Cis-1,2-Dichloroethylene		156-59-2	mg/kg		N	U		N	U		N	U		N	U
Cis-1,3-Dichloropropene		10061-01-5	mg/kg		N	U		N	U		N	U		N	U
Cobalt		7440-48-4	mg/kg	3.7	Y	J	1.9	Y	J	3.6	Y	J	4	Y	
Cyclohexane		110-82-7	mg/kg		N	U		N	U		N	U		N	U
Dibromochloromethane		124-48-1	mg/kg		N	U		N	U		N	U		N	U
Dichlorodifluoromethane		75-71-8	mg/kg		N	U		N	U		N	U		N	U
Diethyl Phthalate		84-66-2	mg/kg		N	U		N	U		N	U		N	U
Dimethyl Phthalate		131-11-3	mg/kg		N	U		N	U		N	U		N	U
Di-N-Butyl Phthalate		84-74-2	mg/kg		N	U		N	U		N	U		N	U
Di-N-Octylphthalate		117-84-0	mg/kg		N	U		N	U		N	U		N	U
Ethylbenzene		100-41-4	mg/kg		N	U		N	U		N	U		N	U
Hexachlorobenzene		118-74-1	mg/kg		N	U		N	U		N	U		N	U
Hexachlorobutadiene		87-68-3	mg/kg		N	U		N	U		N	U		N	U
Hexachlorocyclopentadiene		77-47-4	mg/kg		N	U		N	U		N	U		N	U
Hexachloroethane		67-72-1	mg/kg		N	U		N	U		N	U		N	U
Isophorone		78-59-1	mg/kg		N	U		N	U		N	U		N	U
Isopropylbenzene (Cumene)		98-82-8	mg/kg		N	U		N	U		N	U		N	U
Methyl Acetate		79-20-9	mg/kg		N	U		N	U		N	U		N	U
Methyl Ethyl Ketone (2-Butanone)		78-93-3	mg/kg		N	U		N	U		N	U		N	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		108-10-1	mg/kg		N	U		N	U		N	U		N	U
Methylcyclohexane		108-87-2	mg/kg		N	U		N	U		N	U		N	U
Methylene Chloride		75-09-2	mg/kg		N	U		N	U		N	U		N	U
Nitrobenzene		98-95-3	mg/kg		N	U		N	U		N	U		N	U
N-Nitrosodi-N-Propylamine		621-64-7	mg/kg		N	U		N	U		N	U		N	U
N-Nitrosodiphenylamine		86-30-6	mg/kg		N	U		N	U		N	U		N	U
Pentachlorophenol		87-86-5	mg/kg		N	U		N	U		N	U		N	U
Phenol		108-95-2	mg/kg		N	U		N	U		N	U		N	U
Selenium		7782-49-2	mg/kg		N	U		N	U		N	U		N	U
Solids, Percent		%		29.9	Y		18.1	Y		31	Y		17.2	Y	
Styrene		100-42-5	mg/kg		N	U		N	U		N	U		N	U
Tert-Butyl Methyl Ether		1634-04-4	mg/kg		N	U		N	U		N	U		N	U
Tetrachloroethylene (PCE)		127-18-4	mg/kg		N	U		N	U		N	U		N	U
Thallium		7440-28-0	mg/kg		N	U		N	U		N	U		N	U
Toluene		108-88-3	mg/kg		N	U		N	U		N	U		N	U
Total Organic Carbon		TOC	mg/kg	130000	Y		150000	Y		45000	Y		31000	Y	
Trans-1,2-Dichloroethene		156-60-5	mg/kg		N	U		N	U		N	U		N	U
Trans-1,3-Dichloropropene		10061-02-6	mg/kg		N	U		N	U		N	U		N	U
Trichloroethylene (TCE)		79-01-6	mg/kg		N	U		N	U		N	U		N	U
Trichlorofluoromethane		75-69-4	mg/kg		N	U		N	U		N	U		N	U
Vinyl Chloride		75-01-4	mg/kg		N	U		N	U		N	U		N	U
Xylenes		1330-20-7	mg/kg		N	U		N	U		N	U		N	U
pH		pH	ph units	7.3	Y		7.4	Y		7.7	Y		7	Y	

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE			SED-07			SED-08			SED-09			
SYS_SAMPLE_CODE			SED-07-20230425			SED-08-20230425			SED-09-20230425			
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023			
LATITUDE			43.072289			43.072328			43.071816			
LONGITUDE			-73.8651146			-73.8640152			-73.8649394			
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Carbon Disulfide		75-15-0	mg/kg		N	U		N	U		N	U
Carbon Tetrachloride		56-23-5	mg/kg		N	U		N	U		N	U
Chlorobenzene		108-90-7	mg/kg		N	U		N	U		N	U
Chloroethane		75-00-3	mg/kg		N	U		N	U		N	U
Chloroform		67-66-3	mg/kg		N	U		N	U		N	U
Chloromethane (Methyl Chloride)		74-87-3	mg/kg		N	U		N	U	0.6	Y	J
Chromium, Total		7440-47-3	mg/kg	5.4	Y		8.8	Y		4.1	Y	J
Cis-1,2-Dichloroethylene		156-59-2	mg/kg		N	U		N	U		N	U
Cis-1,3-Dichloropropene		10061-01-5	mg/kg		N	U		N	U		N	U
Cobalt		7440-48-4	mg/kg		N	U	18	Y		4.5	Y	J
Cyclohexane		110-82-7	mg/kg		N	U		N	U		N	U
Dibromochloromethane		124-48-1	mg/kg		N	U		N	U		N	U
Dichlorodifluoromethane		75-71-8	mg/kg		N	U		N	U		N	U
Diethyl Phthalate		84-66-2	mg/kg		N	U		N	U		N	U
Dimethyl Phthalate		131-11-3	mg/kg		N	U		N	U		N	U
Di-N-Butyl Phthalate		84-74-2	mg/kg		N	U		N	U		N	U
Di-N-Octylphthalate		117-84-0	mg/kg		N	U		N	U		N	U
Ethylbenzene		100-41-4	mg/kg		N	U		N	U		N	U
Hexachlorobenzene		118-74-1	mg/kg		N	U		N	U		N	U
Hexachlorobutadiene		87-68-3	mg/kg		N	U		N	U		N	U
Hexachlorocyclopentadiene		77-47-4	mg/kg		N	U		N	U		N	U
Hexachloroethane		67-72-1	mg/kg		N	U		N	U		N	U
Isophorone		78-59-1	mg/kg		N	U		N	U		N	U
Isopropylbenzene (Cumene)		98-82-8	mg/kg		N	U		N	U		N	U
Methyl Acetate		79-20-9	mg/kg		N	U		N	U	2.2	Y	J
Methyl Ethyl Ketone (2-Butanone)		78-93-3	mg/kg		N	U		N	U	3.3	Y	J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		108-10-1	mg/kg		N	U		N	U		N	U
Methylcyclohexane		108-87-2	mg/kg		N	U		N	U		N	U
Methylene Chloride		75-09-2	mg/kg		N	U		N	U		N	U
Nitrobenzene		98-95-3	mg/kg		N	U		N	U		N	U
N-Nitrosodi-N-Propylamine		621-64-7	mg/kg		N	U		N	U		N	U
N-Nitrosodiphenylamine		86-30-6	mg/kg		N	U		N	U		N	U
Pentachlorophenol		87-86-5	mg/kg		N	U		N	U		N	U
Phenol		108-95-2	mg/kg		N	U		N	U		N	U
Selenium		7782-49-2	mg/kg		N	U		N	U		N	U
Solids, Percent			%	20.6	Y		37.8	Y		15.4	Y	
Styrene		100-42-5	mg/kg		N	U		N	U		N	U
Tert-Butyl Methyl Ether		1634-04-4	mg/kg		N	U		N	U		N	U
Tetrachloroethylene (PCE)		127-18-4	mg/kg		N	U		N	U		N	U
Thallium		7440-28-0	mg/kg		N	U		N	U		N	U
Toluene		108-88-3	mg/kg		N	U		N	U		N	U
Total Organic Carbon		TOC	mg/kg	79000	Y		40000	Y		96000	Y	
Trans-1,2-Dichloroethene		156-60-5	mg/kg		N	U		N	U		N	U
Trans-1,3-Dichloropropene		10061-02-6	mg/kg		N	U		N	U		N	U
Trichloroethylene (TCE)		79-01-6	mg/kg		N	U		N	U		N	U
Trichlorofluoromethane		75-69-4	mg/kg		N	U		N	U		N	U
Vinyl Chloride		75-01-4	mg/kg		N	U		N	U		N	U
Xylenes		1330-20-7	mg/kg		N	U		N	U		N	U
pH		pH	ph units	7.2	Y		7.4	Y		6.4	Y	

ng/l = nanogram per liter  
U = non detect  
D = compound identified has been diluted  
J = the reported value is estimated  
Blank cells indicate the sample was not analyzed for the specific compound

Table 1  
Sediment Data All Compounds

SYS_LOC_CODE			SED-10			SED-11			SED-13			
SYS_SAMPLE_CODE			SED-10-20230425			SED-11-20230425			SED-13-20230425			
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023			
LATITUDE			43.072057			43.071642			43.07318			
LONGITUDE			-73.8636211			-73.8640285			-73.861861			
CHEMICAL_NAME	Chemical Class	CAS_RN	REPORT_RESULT_UNIT	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUM	DETECT_FLAG	LAB_QUALIFIERS
Carbon Disulfide		75-15-0	mg/kg		N	U		N	U		N	U
Carbon Tetrachloride		56-23-5	mg/kg		N	U		N	U		N	U
Chlorobenzene		108-90-7	mg/kg		N	U		N	U		N	U
Chloroethane		75-00-3	mg/kg		N	U		N	U		N	U
Chloroform		67-66-3	mg/kg		N	U		N	U		N	U
Chloromethane (Methyl Chloride)		74-87-3	mg/kg		N	U		N	U		N	U
Chromium, Total		7440-47-3	mg/kg	7	Y			N	U	7.4	Y	
Cis-1,2-Dichloroethylene		156-59-2	mg/kg		N	U		N	U		N	U
Cis-1,3-Dichloropropene		10061-01-5	mg/kg		N	U		N	U		N	U
Cobalt		7440-48-4	mg/kg	1.8	Y	J		N	U	3.3	Y	J
Cyclohexane		110-82-7	mg/kg		N	U		N	U		N	U
Dibromochloromethane		124-48-1	mg/kg		N	U		N	U		N	U
Dichlorodifluoromethane		75-71-8	mg/kg		N	U		N	U		N	U
Diethyl Phthalate		84-66-2	mg/kg		N	U		N	U		N	U
Dimethyl Phthalate		131-11-3	mg/kg		N	U		N	U		N	U
Di-N-Butyl Phthalate		84-74-2	mg/kg		N	U		N	U		N	U
Di-N-Octylphthalate		117-84-0	mg/kg		N	U		N	U		N	U
Ethylbenzene		100-41-4	mg/kg		N	U		N	U		N	U
Hexachlorobenzene		118-74-1	mg/kg		N	U		N	U		N	U
Hexachlorobutadiene		87-68-3	mg/kg		N	U		N	U		N	U
Hexachlorocyclopentadiene		77-47-4	mg/kg		N	U		N	U		N	U
Hexachloroethane		67-72-1	mg/kg		N	U		N	U		N	U
Isophorone		78-59-1	mg/kg		N	U		N	U		N	U
Isopropylbenzene (Cumene)		98-82-8	mg/kg		N	U		N	U		N	U
Methyl Acetate		79-20-9	mg/kg		N	U		N	U		N	U
Methyl Ethyl Ketone (2-Butanone)		78-93-3	mg/kg		N	U		N	U		N	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		108-10-1	mg/kg		N	U		N	U		N	U
Methylcyclohexane		108-87-2	mg/kg		N	U		N	U		N	U
Methylene Chloride		75-09-2	mg/kg		N	U		N	U		N	U
Nitrobenzene		98-95-3	mg/kg		N	U		N	U		N	U
N-Nitrosodi-N-Propylamine		621-64-7	mg/kg		N	U		N	U		N	U
N-Nitrosodiphenylamine		86-30-6	mg/kg		N	U		N	U		N	U
Pentachlorophenol		87-86-5	mg/kg		N	U		N	U		N	U
Phenol		108-95-2	mg/kg		N	U		N	U		N	U
Selenium		7782-49-2	mg/kg		N	U		N	U		N	U
Solids, Percent		%		9.41	Y		11.8	Y		53.2	Y	
Styrene		100-42-5	mg/kg		N	U		N	U		N	U
Tert-Butyl Methyl Ether		1634-04-4	mg/kg		N	U		N	U		N	U
Tetrachloroethylene (PCE)		127-18-4	mg/kg		N	U		N	U		N	U
Thallium		7440-28-0	mg/kg		N	U		N	U		N	U
Toluene		108-88-3	mg/kg		N	U		N	U		N	U
Total Organic Carbon		TOC	mg/kg	52000	Y		120000	Y		35000	Y	
Trans-1,2-Dichloroethene		156-60-5	mg/kg		N	U		N	U		N	U
Trans-1,3-Dichloropropene		10061-02-6	mg/kg		N	U		N	U		N	U
Trichloroethylene (TCE)		79-01-6	mg/kg		N	U		N	U		N	U
Trichlorofluoromethane		75-69-4	mg/kg		N	U		N	U		N	U
Vinyl Chloride		75-01-4	mg/kg		N	U		N	U		N	U
Xylenes		1330-20-7	mg/kg		N	U		N	U		N	U
pH		pH	ph units	7.4	Y		7.2	Y		7.4	Y	

ng/l = nanogram per liter  
 U = non detect  
 D = compound identified has been diluted  
 J = the reported value is estimated  
 Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

		SYS_LOC_CODE					SW-01A				
		SYS_SAMPLE_CODE		SW-03A-20230425DUP1			SW-DUP-20230425				
		SAMPLEDATE		27 Apr 2023			25 Apr 2023				
		LATITUDE					43.074508				
		LONGITUDE					-73.8624565				
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
Aluminum	7429-90-5	mg/l	0.25			0.25	Y		0.43	Y	
Arsenic	7440-38-2	mg/l					N	U		N	U
Barium	7440-39-3	mg/l	0.24			0.24	Y		0.016	Y	J
Cadmium	7440-43-9	mg/l					N	U		N	U
Calcium	7440-70-2	mg/l	200			200	Y		26	Y	
Chromium, Total	7440-47-3	mg/l					N	U		N	U
Cobalt	7440-48-4	mg/l					N	U		N	U
Copper	7440-50-8	mg/l	0.023			0.023	Y		0.0039	Y	J
Iron	7439-89-6	mg/l	64			64	Y		0.31	Y	
Lead	7439-92-1	mg/l	0.12			0.12	Y			N	U
Magnesium	7439-95-4	mg/l	20			20	Y		5.7	Y	
Manganese	7439-96-5	mg/l	1.4			1.4	Y		0.18	Y	
Mercury	7439-97-6	mg/l	0.00016	N	U	0.00016	Y	J		N	U
Nickel	7440-02-0	mg/l					N	U		N	U
Potassium	7440-09-7	mg/l	6.3			6.3	Y		0.58	Y	J
Sodium	7440-23-5	mg/l	78			78	Y		100	Y	
Vanadium	7440-62-2	mg/l					N	U		N	U
Zinc	7440-66-6	mg/l	0.34			0.34	Y		0.027	Y	

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-02A			SW-02A			SW-03A		
SYS_SAMPLE_CODE			DUPLICATE-04-23-25			SW-02A-20230425			SW-03A-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072944			43.072944			43.072944		
LONGITUDE			-73.8641113			-73.8641113			-73.8641113		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
Aluminum	7429-90-5	mg/l				2.6	Y		0.33	Y	
Arsenic	7440-38-2	mg/l					N	U		N	U
Barium	7440-39-3	mg/l				0.44	Y		0.035	Y	J
Cadmium	7440-43-9	mg/l				0.011	Y			N	U
Calcium	7440-70-2	mg/l				230	Y		94	Y	
Chromium, Total	7440-47-3	mg/l				0.0091	Y	J		N	U
Cobalt	7440-48-4	mg/l				0.0031	Y	J		N	U
Copper	7440-50-8	mg/l				0.41	Y			N	U
Iron	7439-89-6	mg/l				130	Y		1.1	Y	
Lead	7439-92-1	mg/l				2.5	Y		0.015	Y	
Magnesium	7439-95-4	mg/l				21	Y		15	Y	
Manganese	7439-96-5	mg/l				2.1	Y		0.1	Y	
Mercury	7439-97-6	mg/l				0.0031	Y			N	U
Nickel	7440-02-0	mg/l				0.02	Y			N	U
Potassium	7440-09-7	mg/l				6.4	Y		1.6	Y	J
Sodium	7440-23-5	mg/l				80	Y		47	Y	
Vanadium	7440-62-2	mg/l				0.015	Y			N	U
Zinc	7440-66-6	mg/l				3.5	Y		0.017	Y	

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-04A			SW-05			SW-06		
SYS_SAMPLE_CODE			SW-04A-20230425			SW-05-20230425			SW-06-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072081			43.072605			43.0728		
LONGITUDE			-73.8641216			-73.8651411			-73.8640575		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
Aluminum	7429-90-5	mg/l	2.1	Y		3.4	Y		0.43	Y	
Arsenic	7440-38-2	mg/l		N	U		N	U	0.0047	Y	J
Barium	7440-39-3	mg/l	0.54	Y		0.078	Y		2.3	Y	
Cadmium	7440-43-9	mg/l		N	U		N	U	0.0018	Y	J
Calcium	7440-70-2	mg/l	510	Y		130	Y		450	Y	
Chromium, Total	7440-47-3	mg/l		N	U		N	U		N	U
Cobalt	7440-48-4	mg/l		N	U		N	U	0.021	Y	
Copper	7440-50-8	mg/l		N	U	0.0087	Y	J	0.021	Y	
Iron	7439-89-6	mg/l	46	Y		2.4	Y		350	Y	
Lead	7439-92-1	mg/l	0.015	Y		0.084	Y			N	U
Magnesium	7439-95-4	mg/l	22	Y		20	Y		25	Y	
Manganese	7439-96-5	mg/l	6.5	Y		0.28	Y		35	Y	
Mercury	7439-97-6	mg/l		N	U		N	U		N	U
Nickel	7440-02-0	mg/l		N	U		N	U	0.022	Y	
Potassium	7440-09-7	mg/l	7.2	Y		2.7	Y		8.1	Y	
Sodium	7440-23-5	mg/l	79	Y		100	Y		72	Y	
Vanadium	7440-62-2	mg/l	0.022	Y		0.013	Y		0.005	Y	J
Zinc	7440-66-6	mg/l	0.19	Y		0.23	Y		1.2	Y	

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound



Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-07			SW-08			SW-09		
SYS_SAMPLE_CODE			SW-07-20230425			SW-08-20230425			SW-09-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072289			43.072328			43.071816		
LONGITUDE			-73.8651146			-73.8640152			-73.8649394		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
Aluminum	7429-90-5	mg/l	8.1	Y		0.5	Y		0.15	Y	
Arsenic	7440-38-2	mg/l		N	U		N	U		N	U
Barium	7440-39-3	mg/l	0.29	Y		0.21	Y		0.12	Y	
Cadmium	7440-43-9	mg/l	0.0025	Y	J		N	U		N	U
Calcium	7440-70-2	mg/l	130	Y		120	Y		37	Y	
Chromium, Total	7440-47-3	mg/l		N	U		N	U		N	U
Cobalt	7440-48-4	mg/l		N	U	0.0041	Y	J		N	U
Copper	7440-50-8	mg/l	0.014	Y		0.0052	Y	J	0.0085	Y	J
Iron	7439-89-6	mg/l	28	Y		19	Y		42	Y	
Lead	7439-92-1	mg/l	0.049	Y			N	U		N	U
Magnesium	7439-95-4	mg/l	16	Y		22	Y		7.1	Y	
Manganese	7439-96-5	mg/l	4.2	Y		4.2	Y		1.4	Y	
Mercury	7439-97-6	mg/l	0.00015	Y	J		N	U		N	U
Nickel	7440-02-0	mg/l		N	U		N	U		N	U
Potassium	7440-09-7	mg/l	3.7	Y		2.8	Y		1.3	Y	J
Sodium	7440-23-5	mg/l	86	Y		100	Y		45	Y	
Vanadium	7440-62-2	mg/l	0.036	Y			N	U		N	U
Zinc	7440-66-6	mg/l	0.26	Y		0.045	Y		0.026	Y	

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-10			SW-11			SW-13		
SYS_SAMPLE_CODE			SW-10-20230425			SW-11-20230425			SW-13-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072057			43.071642			43.07318		
LONGITUDE			-73.8636211			-73.8640285			-73.861861		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
Aluminum	7429-90-5	mg/l	0.49	Y		0.062	Y		2.6	Y	
Arsenic	7440-38-2	mg/l		N	U		N	U		N	U
Barium	7440-39-3	mg/l	0.095	Y		0.06	Y		0.53	Y	
Cadmium	7440-43-9	mg/l		N	U		N	U		N	U
Calcium	7440-70-2	mg/l	120	Y		110	Y		280	Y	
Chromium, Total	7440-47-3	mg/l		N	U		N	U		N	U
Cobalt	7440-48-4	mg/l		N	U		N	U	0.0032	Y	J
Copper	7440-50-8	mg/l		N	U		N	U	0.004	Y	J
Iron	7439-89-6	mg/l	1.8	Y			N	U	11	Y	
Lead	7439-92-1	mg/l		N	U		N	U	0.012	Y	
Magnesium	7439-95-4	mg/l	20	Y		19	Y		41	Y	
Manganese	7439-96-5	mg/l	2.2	Y		0.25	Y		6.4	Y	
Mercury	7439-97-6	mg/l		N	U		N	U		N	U
Nickel	7440-02-0	mg/l		N	U		N	U		N	U
Potassium	7440-09-7	mg/l	0.87	Y	J	3.9	Y		12	Y	
Sodium	7440-23-5	mg/l	65	Y		73	Y		93	Y	
Vanadium	7440-62-2	mg/l		N	U		N	U	0.008	Y	J
Zinc	7440-66-6	mg/l	0.032	Y		0.021	Y		0.13	Y	

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-03A-20230425DUP1				SW-DUP-20230425			SW-01A		
SYS_SAMPLE_CODE			27 Apr 2023				25 Apr 2023			SW-01A-20230425		
SAMPLER_DATE			27 Apr 2023				25 Apr 2023			25 Apr 2023		
LATITUDE							43.074508			43.074508		
LONGITUDE										-73.8624565		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	ng/l							N		U	
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	ng/l							N		U	
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	ng/l							N		U	
N-ethyl perfluorooctanesulfonamidoacetic acid (NEFOSAA)	2991-50-6	ng/l							N		U	
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ng/l							N		U	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	113507-82-7	ng/l							N		U	
Perfluoro-1-butanefulfonamide (FBASA)	30334-69-1	ng/l							N		U	
Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	ng/l							N		U	
Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	ng/l							N		U	
Perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	ng/l							N		U	
Perfluorobutanefulfonic acid (PFBS)	375-73-5	ng/l							N		U	
Perfluorobutanoic Acid	375-22-4	ng/l							N		U	
Perfluorodecanesulfonic acid (PFDS)	335-77-3	ng/l							N		U	
Perfluorodecanoic acid (PFDA)	335-76-2	ng/l							N		U	
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/l							N		U	
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	ng/l							N		U	
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/l							N		U	
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ng/l							N		U	
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/l							N		U	
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	ng/l							N		U	
Perfluorononanoic acid (PFNA)	375-95-1	ng/l							N		U	
Perfluorooctane Sulfonamide (PFOSA)	754-91-6	ng/l							N		U	
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/l								N	U	
Perfluorooctanoic acid (PFOA)	335-67-1	ng/l								N	U	
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	ng/l								N	U	
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ng/l								N	U	
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/l							0.72	Y	J	
Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	ng/l							N		U	
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ng/l							N		U	
11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF30UdS)	763051-92-9	ng/l							N		U	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ng/l							N		U	
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	756426-58-1	ng/l							N		U	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	ng/l							N		U	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	ng/l							N		U	

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-02A				SW-02A			SW-03A		
SYS_SAMPLE_CODE			DUPLICATE-04-23-25				SW-02A-20230425			SW-03A-20230425		
SAMPLEDATE			25 Apr 2023				25 Apr 2023			25 Apr 2023		
LATITUDE			43.072944				43.072944			43.072944		
LONGITUDE			-73.8641113				-73.8641113			-73.8641113		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	ng/l		N	U		N	U		N	U	
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	ng/l		N	U		N	U		N	U	
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	ng/l		N	U		N	U		N	U	
N-ethyl perfluorooctanesulfonamidoacetic acid (NEFOSAA)	2991-50-6	ng/l		N	U	4.9	Y	J		N	U	
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ng/l		N	U		N	U		N	U	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	113507-82-7	ng/l		N	U		N	U		N	U	
Perfluoro-1-butanefulfonamide (FBSA)	30334-69-1	ng/l		N	U		N	U		N	U	
Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	ng/l		N	U		N	U		N	U	
Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	ng/l		N	U		N	U		N	U	
Perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	ng/l		N	U		N	U		N	U	
Perfluorobutanefulfonic acid (PFBS)	375-73-5	ng/l	5.2	Y	J	5.2	Y	J	2.1	Y		
Perfluorobutanoic Acid	375-22-4	ng/l	27	Y		26	Y		13	Y		
Perfluorodecanesulfonic acid (PFDS)	335-77-3	ng/l		N	U		N	U		N	U	
Perfluorodecanoic acid (PFDA)	335-76-2	ng/l	10	Y	J	11	Y			N	U	
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/l		N	U		N	U		N	U	
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	ng/l		N	U		N	U		N	U	
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/l	23	Y		22	Y		7.2	Y		
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ng/l	37	Y		37	Y		4.3	Y		
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/l	19	Y		20	Y		8.5	Y		
Perfluoronanesulfonic Acid (PFNS)	68259-12-1	ng/l		N	U		N	U		N	U	
Perfluoronanoic acid (PFNA)	375-95-1	ng/l	14	Y		17	Y			N	U	
Perfluorooctane Sulfonamide (PFOSA)	754-91-6	ng/l		N	U		N	U		N	U	
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/l	240	Y		240	Y		2	Y		
Perfluorooctanoic acid (PFOA)	335-67-1	ng/l	69	Y		72	Y		8.8	Y		
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	ng/l		N	U		N	U		N	U	
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ng/l	21	Y		21	Y		16	Y		
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/l		N	U		N	U		N	U	
Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	ng/l		N	U		N	U		N	U	
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ng/l		N	U		N	U		N	U	
11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF30UdS)	763051-92-9	ng/l		N	U		N	U		N	U	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ng/l		N	U		N	U		N	U	
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	756426-58-1	ng/l		N	U		N	U		N	U	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	ng/l		N	U		N	U		N	U	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	ng/l		N	U		N	U		N	U	

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-04A			SW-05			SW-06		
SYS_SAMPLE_CODE			SW-04A-20230425			SW-05-20230425			SW-06-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072081			43.072605			43.0728		
LONGITUDE			-73.8641216			-73.8651411			-73.8640575		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	ng/l		N	U		N	U		N	U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	ng/l		N	U		N	U		N	U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	ng/l		N	U		N	U		N	U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEFOSAA)	2991-50-6	ng/l		N	U		N	U	3.6	Y	
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ng/l		N	U		N	U	2.6	Y	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	113507-82-7	ng/l		N	U		N	U		N	U
Perfluoro-1-butanefulfonamide (FBASA)	30334-69-1	ng/l		N	U		N	U	1.1	Y	J
Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	ng/l		N	U		N	U		N	U
Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	ng/l		N	U		N	U		N	U
Perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	ng/l		N	U		N	U		N	U
Perfluorobutanefulfonic acid (PFBS)	375-73-5	ng/l		4.5	Y		N	U	7.1	Y	
Perfluorobutanoic Acid	375-22-4	ng/l		15	Y		11	Y	15	Y	
Perfluorodecanesulfonic acid (PFDS)	335-77-3	ng/l		N	U		N	U		N	U
Perfluorodecanoic acid (PFDA)	335-76-2	ng/l		3.9	Y		N	U	14	Y	
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/l		N	U		N	U		N	U
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	ng/l		3.5	Y		N	U	4.6	Y	
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/l		16	Y		5	Y	23	Y	
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ng/l		27	Y		4.2	Y	30	Y	
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/l		15	Y		6.1	Y	21	Y	
Perfluoronanesulfonic Acid (PFNS)	68259-12-1	ng/l		N	U		N	U		N	U
Perfluoronanoic acid (PFNA)	375-95-1	ng/l		19	Y		N	U	22	Y	
Perfluorooctane Sulfonamide (PFOSA)	754-91-6	ng/l		N	U		N	U	1.7	Y	J
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/l		170	Y		11	Y	210	Y	D
Perfluorooctanoic acid (PFOA)	335-67-1	ng/l		59	Y		5.9	Y	82	Y	
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	ng/l		2	Y		N	U	2.2	Y	
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ng/l		17	Y		8.8	Y	41	Y	
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/l		N	U		N	U		N	U
Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	ng/l		N	U		N	U		N	U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ng/l		N	U		N	U	2.3	Y	
11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF30UdS)	763051-92-9	ng/l		N	U		N	U		N	U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ng/l		N	U		N	U		N	U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	756426-58-1	ng/l		N	U		N	U		N	U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	ng/l		N	U		N	U		N	U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	ng/l		N	U		N	U		N	U

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-07			SW-08			SW-09		
SYS_SAMPLE_CODE			SW-07-20230425			SW-08-20230425			SW-09-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072289			43.072328			43.071816		
LONGITUDE			-73.8651146			-73.8640152			-73.8649394		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	ng/l	N		U	N		U	N		U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	ng/l	N		U	N		U	N		U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	ng/l	N		U	N		U	N		U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEFOSAA)	2991-50-6	ng/l	N		U	N		U	N		U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ng/l	N		U	N		U	N		U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	113507-82-7	ng/l	N		U	N		U	N		U
Perfluoro-1-butanefulfonamide (FBASA)	30334-69-1	ng/l	N		U	N		U	N		U
Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	ng/l	N		U	N		U	N		U
Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	ng/l	N		U	N		U	N		U
Perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	ng/l	N		U	N		U	N		U
Perfluorobutanefulfonic acid (PFBS)	375-73-5	ng/l	0.73	Y	J	1.8	Y		N		U
Perfluorobutanoic Acid	375-22-4	ng/l	3.3	Y		6	Y		1.2	Y	J
Perfluorodecanesulfonic acid (PFDS)	335-77-3	ng/l	N		U	N		U	N		U
Perfluorodecanoic acid (PFDA)	335-76-2	ng/l	N		U	N		U	N		U
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/l	N		U	N		U	N		U
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	ng/l	N		U	1.7	Y	J	N		U
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/l	1.1	Y	J	8.7	Y		N		U
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ng/l	1.1	Y	J	10	Y		N		U
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/l	N		U	7.7	Y		N		U
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	ng/l	N		U	N		U	N		U
Perfluorononanoic acid (PFNA)	375-95-1	ng/l	N		U	4.7	Y		N		U
Perfluorooctane Sulfonamide (PFOSA)	754-91-6	ng/l	N		U	N		U	N		U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/l	2.8	Y		47	Y		0.82	Y	J
Perfluorooctanoic acid (PFOA)	335-67-1	ng/l	2.3	Y		33	Y		N		U
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	ng/l	N		U	1	Y	J	N		U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ng/l	0.87	Y	J	8.7	Y		N		U
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/l	N		U	N		U	N		U
Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	ng/l	N		U	N		U	N		U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ng/l	N		U	N		U	N		U
11-Chloroicosafafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF30UdS)	763051-92-9	ng/l	N		U	N		U	N		U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ng/l	N		U	N		U	N		U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	756426-58-1	ng/l	N		U	N		U	N		U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	ng/l	N		U	N		U	N		U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	ng/l	N		U	N		U	N		U

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-10			SW-11			SW-13		
SYS_SAMPLE_CODE			SW-10-20230425			SW-11-20230425			SW-13-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072057			43.071642			43.07318		
LONGITUDE			-73.8636211			-73.8640285			-73.861861		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	ng/l	N		U	N		U	N		U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	ng/l	N		U	N		U	N		U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	ng/l	N		U	N		U	4.500000000	Y	
N-ethyl perfluorooctanesulfonamidoacetic acid (NEFOSAA)	2991-50-6	ng/l	N		U	N		U	19	Y	
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ng/l	N		U	N		U	10	Y	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	113507-82-7	ng/l	N		U	N		U	N		U
Perfluoro-1-butanefulfonamide (FBFA)	30334-69-1	ng/l	N		U	1	Y	J	3.7	Y	J
Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	ng/l	N		U	N		U	2.3	Y	J
Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	ng/l	N		U	N		U	N		U
Perfluoro-4-methoxybutanoic acid (PFMBFA)	863090-89-5	ng/l	N		U	N		U	N		U
Perfluorobutanefulfonic acid (PFBS)	375-73-5	ng/l	1.9	Y	J	3.5	Y		31	Y	
Perfluorobutanoic Acid	375-22-4	ng/l	8.7	Y		16	Y		49	Y	
Perfluorodecanesulfonic acid (PFDS)	335-77-3	ng/l	N		U	N		U	N		U
Perfluorodecanoic acid (PFDA)	335-76-2	ng/l	N		U	N		U	11	Y	
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/l	N		U	N		U	N		U
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	ng/l	3.7	Y	J	1.9	Y	J	7.3	Y	
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/l	18	Y		17	Y		77	Y	
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ng/l	18	Y		21	Y		64	Y	
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/l	9.2	Y		15	Y		92	Y	
Perfluorononanesulfonic acid (PFNS)	68259-12-1	ng/l	N		U	N		U	N		U
Perfluorononanoic acid (PFNA)	375-95-1	ng/l	14	Y		5.6	Y		25	Y	
Perfluorooctane Sulfonamide (PFOSA)	754-91-6	ng/l	N		U	N		U	5.2	Y	
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/l	61	Y		40	Y		240	Y	
Perfluorooctanoic acid (PFOA)	335-67-1	ng/l	110	Y		49	Y		240	Y	
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	ng/l	1.8	Y	J	2.9	Y		8.7	Y	
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ng/l	11	Y		27	Y		95	Y	
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/l	N		U	N		U	N		U
Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	ng/l	N		U	N		U	N		U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ng/l	N		U	N		U	N		U
11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF30UdS)	763051-92-9	ng/l	N		U	N		U	N		U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ng/l	N		U	N		U	N		U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	756426-58-1	ng/l	N		U	N		U	N		U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	ng/l	N		U	N		U	N		U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	ng/l	N		U	N		U	N		U

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

		SYS_LOC_CODE					SW-DUP-20230425			SW-01A		
		SYS_SAMPLE_CODE		SW-03A-20230425DUP1			SW-DUP-20230425			SW-01A-20230425		
		SAMPLEDATE		27 Apr 2023			25 Apr 2023			25 Apr 2023		
		LATITUDE								43.074508		
		LONGITUDE								-73.8624565		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	
Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/l					Y	J		N	U	
Di-N-Butyl Phthalate	84-74-2	ug/l					N	U		N	U	
Acetone	67-64-1	ug/l				16	Y	JD		N	U	
1,1,1-Trichloroethane (TCA)	71-55-6	ug/l					N	U		N	U	
1,1,2,2-Tetrachloroethane	79-34-5	ug/l					N	U		N	U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/l					N	U		N	U	
1,1,2-Trichloroethane	79-00-5	ug/l					N	U		N	U	
1,1-Dichloroethane	75-34-3	ug/l					N	U		N	U	
1,1-Dichloroethene	75-35-4	ug/l					N	U		N	U	
1,2,3-Trichlorobenzene	87-61-6	ug/l					N	U		N	U	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l					N	U		N	U	
1,2,4-Trichlorobenzene	120-82-1	ug/l					N	U		N	U	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l					N	U		N	U	
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/l					N	U		N	U	
1,2-Dichlorobenzene	95-50-1	ug/l					N	U		N	U	
1,2-Dichloroethane	107-06-2	ug/l					N	U		N	U	
1,2-Dichloropropane	78-87-5	ug/l					N	U		N	U	
1,3-Dichlorobenzene	541-73-1	ug/l					N	U		N	U	
1,4-Dichlorobenzene	106-46-7	ug/l					N	U		N	U	
1,4-Dioxane (P-Dioxane)	123-91-1	ug/l					N	U		N	U	
2,4,5-Trichlorophenol	95-95-4	ug/l					N	U		N	U	
2,4,6-Trichlorophenol	88-06-2	ug/l					N	U		N	U	
2,4-Dichlorophenol	120-83-2	ug/l					N	U		N	U	
2,4-Dimethylphenol	105-67-9	ug/l					N	U		N	U	
2,4-Dinitrophenol	51-28-5	ug/l					N	U		N	U	
2,4-Dinitrotoluene	121-14-2	ug/l					N	U		N	U	
2,6-Dinitrotoluene	606-20-2	ug/l					N	U		N	U	
2-Chloronaphthalene	91-58-7	ug/l					N	U		N	U	
2-Chlorophenol	95-57-8	ug/l					N	U		N	U	
2-Hexanone	591-78-6	ug/l					N	U		N	U	
2-Methylnaphthalene	91-57-6	ug/l					N	U		N	U	
2-Methylphenol (O-Cresol)	95-48-7	ug/l					N	U		N	U	
2-Nitroaniline	88-74-4	ug/l					N	U		N	U	
2-Nitrophenol	88-75-5	ug/l					N	U		N	U	
3- And 4- Methylphenol (Total)	MEPH3MEPH4	ug/l					N	U		N	U	
3,3'-Dichlorobenzidine	91-94-1	ug/l					N	U		N	U	
3-Nitroaniline	99-09-2	ug/l					N	U		N	U	
4,6-Dinitro-2-Methylphenol	534-52-1	ug/l					N	U		N	U	
4-Bromophenyl Phenyl Ether	101-55-3	ug/l					N	U		N	U	
4-Chloro-3-Methylphenol	59-50-7	ug/l					N	U		N	U	
4-Chloroaniline	106-47-8	ug/l					N	U		N	U	
4-Chlorophenyl Phenyl Ether	7005-72-3	ug/l					N	U		N	U	
4-Nitroaniline	100-01-6	ug/l					N	U		N	U	
4-Nitrophenol	100-02-7	ug/l					N	U		N	U	

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound



Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-02A			SW-02A			SW-03A		
SYS_SAMPLE_CODE			DUPLICATE-04-23-25			SW-02A-20230425			SW-03A-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072944			43.072944			43.072944		
LONGITUDE			-73.8641113			-73.8641113			-73.8641113		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/l					N	U		N	U
Di-N-Butyl Phthalate	84-74-2	ug/l					N	U		N	U
Acetone	67-64-1	ug/l				6.3	Y	JD		N	U
1,1,1-Trichloroethane (TCA)	71-55-6	ug/l					N	U		N	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l					N	U		N	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/l					N	U		N	U
1,1,2-Trichloroethane	79-00-5	ug/l					N	U		N	U
1,1-Dichloroethane	75-34-3	ug/l					N	U		N	U
1,1-Dichloroethene	75-35-4	ug/l					N	U		N	U
1,2,3-Trichlorobenzene	87-61-6	ug/l					N	U		N	U
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l					N	U		N	U
1,2,4-Trichlorobenzene	120-82-1	ug/l					N	U		N	U
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l					N	U		N	U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/l					N	U		N	U
1,2-Dichlorobenzene	95-50-1	ug/l					N	U		N	U
1,2-Dichloroethane	107-06-2	ug/l					N	U		N	U
1,2-Dichloropropane	78-87-5	ug/l					N	U		N	U
1,3-Dichlorobenzene	541-73-1	ug/l					N	U		N	U
1,4-Dichlorobenzene	106-46-7	ug/l					N	U		N	U
1,4-Dioxane (P-Dioxane)	123-91-1	ug/l					N	U		N	U
2,4,5-Trichlorophenol	95-95-4	ug/l					N	U		N	U
2,4,6-Trichlorophenol	88-06-2	ug/l					N	U		N	U
2,4-Dichlorophenol	120-83-2	ug/l					N	U		N	U
2,4-Dimethylphenol	105-67-9	ug/l					N	U		N	U
2,4-Dinitrophenol	51-28-5	ug/l					N	U		N	U
2,4-Dinitrotoluene	121-14-2	ug/l					N	U		N	U
2,6-Dinitrotoluene	606-20-2	ug/l					N	U		N	U
2-Chloronaphthalene	91-58-7	ug/l					N	U		N	U
2-Chlorophenol	95-57-8	ug/l					N	U		N	U
2-Hexanone	591-78-6	ug/l					N	U		N	U
2-Methylnaphthalene	91-57-6	ug/l					N	U		N	U
2-Methylphenol (O-Cresol)	95-48-7	ug/l					N	U		N	U
2-Nitroaniline	88-74-4	ug/l					N	U		N	U
2-Nitrophenol	88-75-5	ug/l					N	U		N	U
3- And 4- Methylphenol (Total)	MEPH3MEPH4	ug/l					N	U		N	U
3,3'-Dichlorobenzidine	91-94-1	ug/l					N	U		N	U
3-Nitroaniline	99-09-2	ug/l					N	U		N	U
4,6-Dinitro-2-Methylphenol	534-52-1	ug/l					N	U		N	U
4-Bromophenyl Phenyl Ether	101-55-3	ug/l					N	U		N	U
4-Chloro-3-Methylphenol	59-50-7	ug/l					N	U		N	U
4-Chloroaniline	106-47-9	ug/l					N	U		N	U
4-Chlorophenyl Phenyl Ether	7005-72-3	ug/l					N	U		N	U
4-Nitroaniline	100-01-6	ug/l					N	U		N	U
4-Nitrophenol	100-02-7	ug/l					N	U		N	U

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-04A			SW-05			SW-06		
SYS_SAMPLE_CODE			SW-04A-20230425			SW-05-20230425			SW-06-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072081			43.072605			43.0728		
LONGITUDE			-73.8641216			-73.8651411			-73.8640575		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/l		N	U		N	U		N	U
Di-N-Butyl Phthalate	84-74-2	ug/l		N	U		N	U		N	U
Acetone	67-64-1	ug/l	11	Y	JD		N	U	13	Y	JD
1,1,1-Trichloroethane (TCA)	71-55-6	ug/l		N	U		N	U		N	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l		N	U		N	U		N	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/l		N	U		N	U		N	U
1,1,2-Trichloroethane	79-00-5	ug/l		N	U		N	U		N	U
1,1-Dichloroethane	75-34-3	ug/l		N	U		N	U		N	U
1,1-Dichloroethene	75-35-4	ug/l		N	U		N	U		N	U
1,2,3-Trichlorobenzene	87-61-6	ug/l		N	U		N	U		N	U
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l		N	U		N	U		N	U
1,2,4-Trichlorobenzene	120-82-1	ug/l		N	U		N	U		N	U
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l		N	U		N	U		N	U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/l		N	U		N	U		N	U
1,2-Dichlorobenzene	95-50-1	ug/l		N	U		N	U		N	U
1,2-Dichloroethane	107-06-2	ug/l		N	U		N	U		N	U
1,2-Dichloropropane	78-87-5	ug/l		N	U		N	U		N	U
1,3-Dichlorobenzene	541-73-1	ug/l		N	U		N	U		N	U
1,4-Dichlorobenzene	106-46-7	ug/l		N	U		N	U		N	U
1,4-Dioxane (P-Dioxane)	123-91-1	ug/l		N	U		N	U		N	U
2,4,5-Trichlorophenol	95-95-4	ug/l		N	U		N	U		N	U
2,4,6-Trichlorophenol	88-06-2	ug/l		N	U		N	U		N	U
2,4-Dichlorophenol	120-83-2	ug/l		N	U		N	U		N	U
2,4-Dimethylphenol	105-67-9	ug/l		N	U		N	U		N	U
2,4-Dinitrophenol	51-28-5	ug/l		N	U		N	U		N	U
2,4-Dinitrotoluene	121-14-2	ug/l		N	U		N	U		N	U
2,6-Dinitrotoluene	606-20-2	ug/l		N	U		N	U		N	U
2-Chloronaphthalene	91-58-7	ug/l		N	U		N	U		N	U
2-Chlorophenol	95-57-8	ug/l		N	U		N	U		N	U
2-Hexanone	591-78-6	ug/l		N	U		N	U		N	U
2-Methylnaphthalene	91-57-6	ug/l		N	U		N	U		N	U
2-Methylphenol (O-Cresol)	95-48-7	ug/l		N	U		N	U		N	U
2-Nitroaniline	88-74-4	ug/l		N	U		N	U		N	U
2-Nitrophenol	88-75-5	ug/l		N	U		N	U		N	U
3- And 4- Methylphenol (Total)	MEPH3MEPH4	ug/l		N	U		N	U		N	U
3,3'-Dichlorobenzidine	91-94-1	ug/l		N	U		N	U		N	U
3-Nitroaniline	99-09-2	ug/l		N	U		N	U		N	U
4,6-Dinitro-2-Methylphenol	534-52-1	ug/l		N	U		N	U		N	U
4-Bromophenyl Phenyl Ether	101-55-3	ug/l		N	U		N	U		N	U
4-Chloro-3-Methylphenol	59-50-7	ug/l		N	U		N	U		N	U
4-Chloroaniline	106-47-9	ug/l		N	U		N	U		N	U
4-Chlorophenyl Phenyl Ether	7005-72-3	ug/l		N	U		N	U		N	U
4-Nitroaniline	100-01-6	ug/l		N	U		N	U		N	U
4-Nitrophenol	100-02-7	ug/l		N	U		N	U		N	U

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-07			SW-08			SW-09		
SYS_SAMPLE_CODE			SW-07-20230425			SW-08-20230425			SW-09-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072289			43.072328			43.071816		
LONGITUDE			-73.8651146			-73.8640152			-73.8649394		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/l		N	U		N	U		N	U
Di-N-Butyl Phthalate	84-74-2	ug/l		N	U		N	U	0.67	Y	J
Acetone	67-64-1	ug/l	9.6	Y	JD	7	Y	J	7.4	Y	J
1,1,1-Trichloroethane (TCA)	71-55-6	ug/l		N	U		N	U		N	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l		N	U		N	U		N	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/l		N	U		N	U		N	U
1,1,2-Trichloroethane	79-00-5	ug/l		N	U		N	U		N	U
1,1-Dichloroethane	75-34-3	ug/l		N	U		N	U		N	U
1,1-Dichloroethene	75-35-4	ug/l		N	U		N	U		N	U
1,2,3-Trichlorobenzene	87-61-6	ug/l		N	U		N	U		N	U
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l		N	U		N	U		N	U
1,2,4-Trichlorobenzene	120-82-1	ug/l		N	U		N	U		N	U
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l		N	U		N	U		N	U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/l		N	U		N	U		N	U
1,2-Dichlorobenzene	95-50-1	ug/l		N	U		N	U		N	U
1,2-Dichloroethane	107-06-2	ug/l		N	U		N	U		N	U
1,2-Dichloropropane	78-87-5	ug/l		N	U		N	U		N	U
1,3-Dichlorobenzene	541-73-1	ug/l		N	U		N	U		N	U
1,4-Dichlorobenzene	106-46-7	ug/l		N	U		N	U		N	U
1,4-Dioxane (P-Dioxane)	123-91-1	ug/l		N	U		N	U		N	U
2,4,5-Trichlorophenol	95-95-4	ug/l		N	U		N	U		N	U
2,4,6-Trichlorophenol	88-06-2	ug/l		N	U		N	U		N	U
2,4-Dichlorophenol	120-83-2	ug/l		N	U		N	U		N	U
2,4-Dimethylphenol	105-67-9	ug/l		N	U		N	U		N	U
2,4-Dinitrophenol	51-28-5	ug/l		N	U		N	U		N	U
2,4-Dinitrotoluene	121-14-2	ug/l		N	U		N	U		N	U
2,6-Dinitrotoluene	606-20-2	ug/l		N	U		N	U		N	U
2-Chloronaphthalene	91-58-7	ug/l		N	U		N	U		N	U
2-Chlorophenol	95-57-8	ug/l		N	U		N	U		N	U
2-Hexanone	591-78-6	ug/l		N	U		N	U		N	U
2-Methylnaphthalene	91-57-6	ug/l		N	U		N	U		N	U
2-Methylphenol (O-Cresol)	95-48-7	ug/l		N	U		N	U		N	U
2-Nitroaniline	88-74-4	ug/l		N	U		N	U		N	U
2-Nitrophenol	88-75-5	ug/l		N	U		N	U		N	U
3- And 4- Methylphenol (Total)	MEPH3MEPH4	ug/l		N	U		N	U		N	U
3,3'-Dichlorobenzidine	91-94-1	ug/l		N	U		N	U		N	U
3-Nitroaniline	99-09-2	ug/l		N	U		N	U		N	U
4,6-Dinitro-2-Methylphenol	534-52-1	ug/l		N	U		N	U		N	U
4-Bromophenyl Phenyl Ether	101-55-3	ug/l		N	U		N	U		N	U
4-Chloro-3-Methylphenol	59-50-7	ug/l		N	U		N	U		N	U
4-Chloroaniline	106-47-9	ug/l		N	U		N	U		N	U
4-Chlorophenyl Phenyl Ether	7005-72-3	ug/l		N	U		N	U		N	U
4-Nitroaniline	100-01-6	ug/l		N	U		N	U		N	U
4-Nitrophenol	100-02-7	ug/l		N	U		N	U		N	U

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-10			SW-11			SW-13		
SYS_SAMPLE_CODE			SW-10-20230425			SW-11-20230425			SW-13-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072057			43.071642			43.07318		
LONGITUDE			-73.8636211			-73.8640285			-73.861861		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/l		N	U		N	U		N	U
Di-N-Butyl Phthalate	84-74-2	ug/l		N	U		N	U		N	U
Acetone	67-64-1	ug/l		N	U	7.4	Y	JD	12	Y	JD
1,1,1-Trichloroethane (TCA)	71-55-6	ug/l		N	U		N	U		N	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l		N	U		N	U		N	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/l		N	U		N	U		N	U
1,1,2-Trichloroethane	79-00-5	ug/l		N	U		N	U		N	U
1,1-Dichloroethane	75-34-3	ug/l		N	U		N	U		N	U
1,1-Dichloroethene	75-35-4	ug/l		N	U		N	U		N	U
1,2,3-Trichlorobenzene	87-61-6	ug/l		N	U		N	U		N	U
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l		N	U		N	U		N	U
1,2,4-Trichlorobenzene	120-82-1	ug/l		N	U		N	U		N	U
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l		N	U		N	U		N	U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/l		N	U		N	U		N	U
1,2-Dichlorobenzene	95-50-1	ug/l		N	U		N	U		N	U
1,2-Dichloroethane	107-06-2	ug/l		N	U		N	U		N	U
1,2-Dichloropropane	78-87-5	ug/l		N	U		N	U		N	U
1,3-Dichlorobenzene	541-73-1	ug/l		N	U		N	U		N	U
1,4-Dichlorobenzene	106-46-7	ug/l		N	U		N	U		N	U
1,4-Dioxane (P-Dioxane)	123-91-1	ug/l		N	U		N	U		N	U
2,4,5-Trichlorophenol	95-95-4	ug/l		N	U		N	U		N	U
2,4,6-Trichlorophenol	88-06-2	ug/l		N	U		N	U		N	U
2,4-Dichlorophenol	120-83-2	ug/l		N	U		N	U		N	U
2,4-Dimethylphenol	105-67-9	ug/l		N	U		N	U		N	U
2,4-Dinitrophenol	51-28-5	ug/l		N	U		N	U		N	U
2,4-Dinitrotoluene	121-14-2	ug/l		N	U		N	U		N	U
2,6-Dinitrotoluene	606-20-2	ug/l		N	U		N	U		N	U
2-Chloronaphthalene	91-58-7	ug/l		N	U		N	U		N	U
2-Chlorophenol	95-57-8	ug/l		N	U		N	U		N	U
2-Hexanone	591-78-6	ug/l		N	U		N	U		N	U
2-Methylnaphthalene	91-57-6	ug/l		N	U		N	U		N	U
2-Methylphenol (O-Cresol)	95-48-7	ug/l		N	U		N	U		N	U
2-Nitroaniline	88-74-4	ug/l		N	U		N	U		N	U
2-Nitrophenol	88-75-5	ug/l		N	U		N	U		N	U
3- And 4- Methylphenol (Total)	MEPH3MEPH4	ug/l		N	U		N	U		N	U
3,3'-Dichlorobenzidine	91-94-1	ug/l		N	U		N	U		N	U
3-Nitroaniline	99-09-2	ug/l		N	U		N	U		N	U
4,6-Dinitro-2-Methylphenol	534-52-1	ug/l		N	U		N	U		N	U
4-Bromophenyl Phenyl Ether	101-55-3	ug/l		N	U		N	U		N	U
4-Chloro-3-Methylphenol	59-50-7	ug/l		N	U		N	U		N	U
4-Chloroaniline	106-47-9	ug/l		N	U		N	U		N	U
4-Chlorophenyl Phenyl Ether	7005-72-3	ug/l		N	U		N	U		N	U
4-Nitroaniline	100-01-6	ug/l		N	U		N	U		N	U
4-Nitrophenol	100-02-7	ug/l		N	U		N	U		N	U

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

		SYS_LOC_CODE				SW-03A-20230425DUP1				SW-DUP-20230425				SW-01A			
		SYS_SAMPLE_CODE				SW-03A-20230425DUP1				SW-DUP-20230425				SW-01A-20230425			
		SAMPLEDATE				27 Apr 2023				25 Apr 2023				25 Apr 2023			
		LATITUDE												43.074508			
		LONGITUDE												-73.8624565			
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS			
Acenaphthene	83-32-9	ug/l					N	U				N	U				
Acenaphthylene	208-96-8	ug/l					N	U				N	U				
Acetophenone	98-86-2	ug/l					N	U				N	U				
Anthracene	120-12-7	ug/l					N	U				N	U				
Antimony	7440-36-0	mg/l					N	U				N	U				
Atrazine	1912-24-9	ug/l					N	U				N	U				
Benzaldehyde	100-52-7	ug/l					N	U				N	U				
Benzene	71-43-2	ug/l					N	U				N	U				
Benzo(A)Anthracene	56-55-3	ug/l					N	U				N	U				
Benzo(A)Pyrene	50-32-8	ug/l					N	U				N	U				
Benzo(B)Fluoranthene	205-99-2	ug/l					N	U				N	U				
Benzo(G,H,I)Perylene	191-24-2	ug/l					N	U				N	U				
Benzo(K)Fluoranthene	207-08-9	ug/l					N	U				N	U				
Benzyl Butyl Phthalate	85-68-7	ug/l					N	U				N	U				
Beryllium	7440-41-7	mg/l					N	U				N	U				
Biphenyl (Diphenyl or 1,1'-Biphenyl)	92-52-4	ug/l					N	U				N	U				
Bis(2-Chloroethoxy) Methane	111-91-1	ug/l					N	U				N	U				
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/l					N	U				N	U				
Bis(2-Chloroisopropyl) Ether	108-60-1	ug/l					N	U				N	U				
Bromochloromethane	74-97-5	ug/l					N	U				N	U				
Bromodichloromethane	75-27-4	ug/l					N	U				N	U				
Bromoform	75-25-2	ug/l					N	U				N	U				
Bromomethane	74-83-9	ug/l					N	U				N	U				
Caprolactam	105-60-2	ug/l					N	U				N	U				
Carbazole	86-74-8	ug/l					N	U				N	U				
Carbon Disulfide	75-15-0	ug/l					N	U				N	U				
Carbon Tetrachloride	56-23-5	ug/l					N	U				N	U				
Chlorobenzene	108-90-7	ug/l					N	U				N	U				
Chloroethane	75-00-3	ug/l					N	U				N	U				
Chloroform	67-66-3	ug/l					N	U				N	U				
Chloromethane (Methyl Chloride)	74-87-3	ug/l					N	U				N	U				
Chrysene	218-01-9	ug/l					N	U				N	U				
Cis-1,2-Dichloroethylene	156-59-2	ug/l					N	U				N	U				
Cis-1,3-Dichloropropene	10061-01-5	ug/l					N	U				N	U				
Cyclohexane	110-82-7	ug/l					N	U				N	U				
Dibenz(A,H)Anthracene	53-70-3	ug/l					N	U				N	U				
Dibenzofuran	132-64-9	ug/l					N	U				N	U				
Dibromochloromethane	124-48-1	ug/l					N	U				N	U				
Dichlorodifluoromethane	75-71-8	ug/l					N	U				N	U				
Diethyl Phthalate	84-66-2	ug/l					N	U				N	U				
Dimethyl Phthalate	131-11-3	ug/l					N	U				N	U				
Di-N-Octylphthalate	117-84-0	ug/l					N	U				N	U				
Ethylbenzene	100-41-4	ug/l					N	U				N	U				
Fluoranthene	206-44-0	ug/l					N	U				N	U				
Fluorene	86-73-7	ug/l					N	U				N	U				
Hexachlorobenzene	118-74-1	ug/l					N	U				N	U				
Hexachlorobutadiene	87-68-3	ug/l					N	U				N	U				
Hexachlorocyclopentadiene	77-47-4	ug/l					N	U				N	U				
Hexachloroethane	67-72-1	ug/l					N	U				N	U				
Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/l					N	U				N	U				
Isophorone	78-59-1	ug/l					N	U				N	U				
Isopropylbenzene (Cumene)	98-82-8	ug/l					N	U				N	U				
Methyl Acetate	79-20-9	ug/l					N	U				N	U				
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/l					N	U				N	U				
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/l					N	U				N	U				
Methylcyclohexane	108-87-2	ug/l					N	U				N	U				
Methylene Chloride	75-09-2	ug/l					N	U				N	U				
Naphthalene	91-20-3	ug/l					N	U				N	U				
Nitrobenzene	98-95-3	ug/l					N	U				N	U				
N-Nitrosodi-N-Propylamine	621-64-7	ug/l					N	U				N	U				
N-Nitrosodiphenylamine	86-30-6	ug/l					N	U				N	U				

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-02A			SW-02A			SW-03A		
SYS_SAMPLE_CODE			DUPLICATE-04-23-25			SW-02A-20230425			SW-03A-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072944			43.072944			43.072944		
LONGITUDE			-73.8641113			-73.8641113			-73.8641113		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
Acenaphthene	83-32-9	ug/l									
Acenaphthylene	208-96-8	ug/l									
Acetophenone	98-86-2	ug/l									
Anthracene	120-12-7	ug/l									
Antimony	7440-36-0	mg/l									
Atrazine	1912-24-9	ug/l									
Benzaldehyde	100-52-7	ug/l									
Benzene	71-43-2	ug/l									
Benzo(A)Anthracene	56-55-3	ug/l									
Benzo(A)Pyrene	50-32-8	ug/l									
Benzo(B)Fluoranthene	205-99-2	ug/l									
Benzo(G,H,I)Perylene	191-24-2	ug/l									
Benzo(K)Fluoranthene	207-08-9	ug/l									
Benzyl Butyl Phthalate	85-68-7	ug/l									
Beryllium	7440-41-7	mg/l									
Biphenyl (Diphenyl or 1,1'-Biphenyl)	92-52-4	ug/l									
Bis(2-Chloroethoxy) Methane	111-91-1	ug/l									
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/l									
Bis(2-Chloroisopropyl) Ether	108-60-1	ug/l									
Bromochloromethane	74-97-5	ug/l									
Bromodichloromethane	75-27-4	ug/l									
Bromoform	75-25-2	ug/l									
Bromomethane	74-83-9	ug/l									
Caprolactam	105-60-2	ug/l									
Carbazole	86-74-8	ug/l									
Carbon Disulfide	75-15-0	ug/l									
Carbon Tetrachloride	56-23-5	ug/l									
Chlorobenzene	108-90-7	ug/l									
Chloroethane	75-00-3	ug/l									
Chloroform	67-66-3	ug/l									
Chloromethane (Methyl Chloride)	74-87-3	ug/l									
Chrysene	218-01-9	ug/l									
Cis-1,2-Dichloroethylene	156-59-2	ug/l									
Cis-1,3-Dichloropropene	10061-01-5	ug/l									
Cyclohexane	110-82-7	ug/l									
Dibenz(A,H)Anthracene	53-70-3	ug/l									
Dibenzofuran	132-64-9	ug/l									
Dibromochloromethane	124-48-1	ug/l									
Dichlorodifluoromethane	75-71-8	ug/l									
Diethyl Phthalate	84-66-2	ug/l									
Dimethyl Phthalate	131-11-3	ug/l									
Di-N-Octylphthalate	117-84-0	ug/l									
Ethylbenzene	100-41-4	ug/l									
Fluoranthene	206-44-0	ug/l									
Fluorene	86-73-7	ug/l									
Hexachlorobenzene	118-74-1	ug/l									
Hexachlorobutadiene	87-68-3	ug/l									
Hexachlorocyclopentadiene	77-47-4	ug/l									
Hexachloroethane	67-72-1	ug/l									
Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/l									
Isophorone	78-59-1	ug/l									
Isopropylbenzene (Cumene)	98-82-8	ug/l									
Methyl Acetate	79-20-9	ug/l									
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/l									
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/l									
Methylcyclohexane	108-87-2	ug/l									
Methylene Chloride	75-09-2	ug/l									
Naphthalene	91-20-3	ug/l									
Nitrobenzene	98-95-3	ug/l									
N-Nitrosodi-N-Propylamine	621-64-7	ug/l									
N-Nitrosodiphenylamine	86-30-6	ug/l									

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-04A			SW-05			SW-06		
SYS_SAMPLE_CODE			SW-04A-20230425			SW-05-20230425			SW-06-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072081			43.072605			43.0728		
LONGITUDE			-73.8641216			-73.8651411			-73.8640575		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
Acenaphthene	83-32-9	ug/l		N	U		N	U		N	U
Acenaphthylene	208-96-8	ug/l		N	U		N	U		N	U
Acetophenone	98-86-2	ug/l		N	U		N	U		N	U
Anthracene	120-12-7	ug/l		N	U		N	U		N	U
Antimony	7440-36-0	mg/l		N	U		N	U		N	U
Atrazine	1912-24-9	ug/l		N	U		N	U		N	U
Benzaldehyde	100-52-7	ug/l		N	U		N	U		N	U
Benzene	71-43-2	ug/l		N	U		N	U		N	U
Benzo(A)Anthracene	56-55-3	ug/l		N	U		N	U		N	U
Benzo(A)Pyrene	50-32-8	ug/l		N	U		N	U		N	U
Benzo(B)Fluoranthene	205-99-2	ug/l		N	U		N	U		N	U
Benzo(G,H,I)Perylene	191-24-2	ug/l		N	U		N	U		N	U
Benzo(K)Fluoranthene	207-08-9	ug/l		N	U		N	U		N	U
Benzyl Butyl Phthalate	85-68-7	ug/l		N	U		N	U		N	U
Beryllium	7440-41-7	mg/l		N	U		N	U		N	U
Biphenyl (Diphenyl or 1,1'-Biphenyl)	92-52-4	ug/l		N	U		N	U		N	U
Bis(2-Chloroethoxy) Methane	111-91-1	ug/l		N	U		N	U		N	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/l		N	U		N	U		N	U
Bis(2-Chloroisopropyl) Ether	108-60-1	ug/l		N	U		N	U		N	U
Bromochloromethane	74-97-5	ug/l		N	U		N	U		N	U
Bromodichloromethane	75-27-4	ug/l		N	U		N	U		N	U
Bromoform	75-25-2	ug/l		N	U		N	U		N	U
Bromomethane	74-83-9	ug/l		N	U		N	U		N	U
Caprolactam	105-60-2	ug/l		N	U		N	U		N	U
Carbazole	86-74-8	ug/l		N	U		N	U		N	U
Carbon Disulfide	75-15-0	ug/l		N	U		N	U		N	U
Carbon Tetrachloride	56-23-5	ug/l		N	U		N	U		N	U
Chlorobenzene	108-90-7	ug/l		N	U		N	U		N	U
Chloroethane	75-00-3	ug/l		N	U		N	U		N	U
Chloroform	67-66-3	ug/l		N	U		N	U		N	U
Chloromethane (Methyl Chloride)	74-87-3	ug/l		N	U		N	U		N	U
Chrysene	218-01-9	ug/l		N	U		N	U		N	U
Cis-1,2-Dichloroethylene	156-59-2	ug/l		N	U		N	U		N	U
Cis-1,3-Dichloropropene	10061-01-5	ug/l		N	U		N	U		N	U
Cyclohexane	110-82-7	ug/l		N	U		N	U		N	U
Dibenz(A,H)Anthracene	53-70-3	ug/l		N	U		N	U		N	U
Dibenzofuran	132-64-9	ug/l		N	U		N	U		N	U
Dibromochloromethane	124-48-1	ug/l		N	U		N	U		N	U
Dichlorodifluoromethane	75-71-8	ug/l		N	U		N	U		N	U
Diethyl Phthalate	84-66-2	ug/l		N	U		N	U		N	U
Dimethyl Phthalate	131-11-3	ug/l		N	U		N	U		N	U
Di-N-Octylphthalate	117-84-0	ug/l		N	U		N	U		N	U
Ethylbenzene	100-41-4	ug/l		N	U		N	U		N	U
Fluoranthene	206-44-0	ug/l		N	U		N	U		N	U
Fluorene	86-73-7	ug/l		N	U		N	U		N	U
Hexachlorobenzene	118-74-1	ug/l		N	U		N	U		N	U
Hexachlorobutadiene	87-68-3	ug/l		N	U		N	U		N	U
Hexachlorocyclopentadiene	77-47-4	ug/l		N	U		N	U		N	U
Hexachloroethane	67-72-1	ug/l		N	U		N	U		N	U
Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/l		N	U		N	U		N	U
Isophorone	78-59-1	ug/l		N	U		N	U		N	U
Isopropylbenzene (Cumene)	98-82-8	ug/l		N	U		N	U		N	U
Methyl Acetate	79-20-9	ug/l		N	U		N	U		N	U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/l		N	U		N	U		N	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/l		N	U		N	U		N	U
Methylcyclohexane	108-87-2	ug/l		N	U		N	U		N	U
Methylene Chloride	75-09-2	ug/l		N	U		N	U		N	U
Naphthalene	91-20-3	ug/l		N	U		N	U		N	U
Nitrobenzene	98-95-3	ug/l		N	U		N	U		N	U
N-Nitrosodi-N-Propylamine	621-64-7	ug/l		N	U		N	U		N	U
N-Nitrosodiphenylamine	86-30-6	ug/l		N	U		N	U		N	U

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-07			SW-08			SW-09		
SYS_SAMPLE_CODE			SW-07-20230425			SW-08-20230425			SW-09-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072289			43.072328			43.071816		
LONGITUDE			-73.8651146			-73.8640152			-73.8649394		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
Acenaphthene	83-32-9	ug/l		N	U		N	U		N	U
Acenaphthylene	208-96-8	ug/l		N	U		N	U		N	U
Acetophenone	98-86-2	ug/l		N	U		N	U		N	U
Anthracene	120-12-7	ug/l		N	U		N	U		N	U
Antimony	7440-36-0	mg/l		N	U		N	U		N	U
Atrazine	1912-24-9	ug/l		N	U		N	U		N	U
Benzaldehyde	100-52-7	ug/l		N	U		N	U		N	U
Benzene	71-43-2	ug/l		N	U		N	U		N	U
Benzo(A)Anthracene	56-55-3	ug/l		N	U		N	U		N	U
Benzo(A)Pyrene	50-32-8	ug/l		N	U		N	U		N	U
Benzo(B)Fluoranthene	205-99-2	ug/l		N	U		N	U		N	U
Benzo(G,H,I)Perylene	191-24-2	ug/l		N	U		N	U		N	U
Benzo(K)Fluoranthene	207-08-9	ug/l		N	U		N	U		N	U
Benzyl Butyl Phthalate	85-68-7	ug/l		N	U		N	U		N	U
Beryllium	7440-41-7	mg/l		N	U		N	U		N	U
Biphenyl (Diphenyl or 1,1'-Biphenyl)	92-52-4	ug/l		N	U		N	U		N	U
Bis(2-Chloroethoxy) Methane	111-91-1	ug/l		N	U		N	U		N	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/l		N	U		N	U		N	U
Bis(2-Chloroisopropyl) Ether	108-60-1	ug/l		N	U		N	U		N	U
Bromochloromethane	74-97-5	ug/l		N	U		N	U		N	U
Bromodichloromethane	75-27-4	ug/l		N	U		N	U		N	U
Bromoform	75-25-2	ug/l		N	U		N	U		N	U
Bromomethane	74-83-9	ug/l		N	U		N	U		N	U
Caprolactam	105-60-2	ug/l		N	U		N	U		N	U
Carbazole	86-74-8	ug/l		N	U		N	U		N	U
Carbon Disulfide	75-15-0	ug/l		N	U		N	U		N	U
Carbon Tetrachloride	56-23-5	ug/l		N	U		N	U		N	U
Chlorobenzene	108-90-7	ug/l		N	U		N	U		N	U
Chloroethane	75-00-3	ug/l		N	U		N	U		N	U
Chloroform	67-66-3	ug/l		N	U		N	U		N	U
Chloromethane (Methyl Chloride)	74-87-3	ug/l		N	U		N	U		N	U
Chrysene	218-01-9	ug/l		N	U		N	U		N	U
Cis-1,2-Dichloroethylene	156-59-2	ug/l		N	U		N	U		N	U
Cis-1,3-Dichloropropene	10061-01-5	ug/l		N	U		N	U		N	U
Cyclohexane	110-82-7	ug/l		N	U		N	U		N	U
Dibenz(A,H)Anthracene	53-70-3	ug/l		N	U		N	U		N	U
Dibenzofuran	132-64-9	ug/l		N	U		N	U		N	U
Dibromochloromethane	124-48-1	ug/l		N	U		N	U		N	U
Dichlorodifluoromethane	75-71-8	ug/l		N	U		N	U		N	U
Diethyl Phthalate	84-66-2	ug/l		N	U		N	U		N	U
Dimethyl Phthalate	131-11-3	ug/l		N	U		N	U		N	U
Di-N-Octylphthalate	117-84-0	ug/l		N	U		N	U		N	U
Ethylbenzene	100-41-4	ug/l		N	U		N	U		N	U
Fluoranthene	206-44-0	ug/l		N	U		N	U		N	U
Fluorene	86-73-7	ug/l		N	U		N	U		N	U
Hexachlorobenzene	118-74-1	ug/l		N	U		N	U		N	U
Hexachlorobutadiene	87-68-3	ug/l		N	U		N	U		N	U
Hexachlorocyclopentadiene	77-47-4	ug/l		N	U		N	U		N	U
Hexachloroethane	67-72-1	ug/l		N	U		N	U		N	U
Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/l		N	U		N	U		N	U
Isophorone	78-59-1	ug/l		N	U		N	U		N	U
Isopropylbenzene (Cumene)	98-82-8	ug/l		N	U		N	U		N	U
Methyl Acetate	79-20-9	ug/l		N	U		N	U		N	U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/l		N	U		N	U		N	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/l		N	U		N	U		N	U
Methylcyclohexane	108-87-2	ug/l		N	U		N	U		N	U
Methylene Chloride	75-09-2	ug/l		N	U		N	U		N	U
Naphthalene	91-20-3	ug/l		N	U		N	U		N	U
Nitrobenzene	98-95-3	ug/l		N	U		N	U		N	U
N-Nitrosodi-N-Propylamine	621-64-7	ug/l		N	U		N	U		N	U
N-Nitrosodiphenylamine	86-30-6	ug/l		N	U		N	U		N	U

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound



Table 2  
Sediment Results All Compounds

SYS_LOC_CODE		SW-10					SW-11			SW-13		
SYS_SAMPLE_CODE		SW-10-20230425					SW-11-20230425			SW-13-20230425		
SAMPLEDATE		25 Apr 2023					25 Apr 2023			25 Apr 2023		
LATITUDE		43.072057					43.071642			43.07318		
LONGITUDE		-73.8636211					-73.8640285			-73.861861		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	
Acenaphthene	83-32-9	ug/l	N	U		N	U		N	U		
Acenaphthylene	208-96-8	ug/l	N	U		N	U		N	U		
Acetophenone	98-86-2	ug/l	N	U		N	U		N	U		
Anthracene	120-12-7	ug/l	N	U		N	U		N	U		
Antimony	7440-36-0	mg/l	N	U		N	U		N	U		
Atrazine	1912-24-9	ug/l	N	U		N	U		N	U		
Benzaldehyde	100-52-7	ug/l	N	U		N	U		N	U		
Benzene	71-43-2	ug/l	N	U		N	U		N	U		
Benzo(A)Anthracene	56-55-3	ug/l	N	U		N	U		N	U		
Benzo(A)Pyrene	50-32-8	ug/l	N	U		N	U		N	U		
Benzo(B)Fluoranthene	205-99-2	ug/l	N	U		N	U		N	U		
Benzo(G,H,I)Perylene	191-24-2	ug/l	N	U		N	U		N	U		
Benzo(K)Fluoranthene	207-08-9	ug/l	N	U		N	U		N	U		
Benzyl Butyl Phthalate	85-68-7	ug/l	N	U		N	U		N	U		
Beryllium	7440-41-7	mg/l	N	U		N	U		N	U		
Biphenyl (Diphenyl or 1,1'-Biphenyl)	92-52-4	ug/l	N	U		N	U		N	U		
Bis(2-Chloroethoxy) Methane	111-91-1	ug/l	N	U		N	U		N	U		
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/l	N	U		N	U		N	U		
Bis(2-Chloroisopropyl) Ether	108-60-1	ug/l	N	U		N	U		N	U		
Bromochloromethane	74-97-5	ug/l	N	U		N	U		N	U		
Bromodichloromethane	75-27-4	ug/l	N	U		N	U		N	U		
Bromoform	75-25-2	ug/l	N	U		N	U		N	U		
Bromomethane	74-83-9	ug/l	N	U		N	U		N	U		
Caprolactam	105-60-2	ug/l	N	U		N	U		N	U		
Carbazole	86-74-8	ug/l	N	U		N	U		N	U		
Carbon Disulfide	75-15-0	ug/l	N	U		N	U		N	U		
Carbon Tetrachloride	56-23-5	ug/l	N	U		N	U		N	U		
Chlorobenzene	108-90-7	ug/l	N	U		N	U		N	U		
Chloroethane	75-00-3	ug/l	N	U		N	U		N	U		
Chloroform	67-66-3	ug/l	N	U		N	U		N	U		
Chloromethane (Methyl Chloride)	74-87-3	ug/l	N	U		N	U		N	U		
Chrysene	218-01-9	ug/l	N	U		N	U		N	U		
Cis-1,2-Dichloroethylene	156-59-2	ug/l	N	U		N	U		N	U		
Cis-1,3-Dichloropropene	10061-01-5	ug/l	N	U		N	U		N	U		
Cyclohexane	110-82-7	ug/l	N	U		N	U		N	U		
Dibenz(A,H)Anthracene	53-70-3	ug/l	N	U		N	U		N	U		
Dibenzofuran	132-64-9	ug/l	N	U		N	U		N	U		
Dibromochloromethane	124-48-1	ug/l	N	U		N	U		N	U		
Dichlorodifluoromethane	75-71-8	ug/l	N	U		N	U		N	U		
Diethyl Phthalate	84-66-2	ug/l	N	U		N	U		N	U		
Dimethyl Phthalate	131-11-3	ug/l	N	U		N	U		N	U		
Di-N-Octylphthalate	117-84-0	ug/l	N	U		N	U		N	U		
Ethylbenzene	100-41-4	ug/l	N	U		N	U		N	U		
Fluoranthene	206-44-0	ug/l	N	U		N	U		N	U		
Fluorene	86-73-7	ug/l	N	U		N	U		N	U		
Hexachlorobenzene	118-74-1	ug/l	N	U		N	U		N	U		
Hexachlorobutadiene	87-68-3	ug/l	N	U		N	U		N	U		
Hexachlorocyclopentadiene	77-47-4	ug/l	N	U		N	U		N	U		
Hexachloroethane	67-72-1	ug/l	N	U		N	U		N	U		
Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/l	N	U		N	U		N	U		
Isophorone	78-59-1	ug/l	N	U		N	U		N	U		
Isopropylbenzene (Cumene)	98-82-8	ug/l	N	U		N	U		N	U		
Methyl Acetate	79-20-9	ug/l	N	U		N	U		N	U		
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/l	N	U		N	U		N	U		
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/l	N	U		N	U		N	U		
Methylcyclohexane	108-87-2	ug/l	N	U		N	U		N	U		
Methylene Chloride	75-09-2	ug/l	N	U		N	U		N	U		
Naphthalene	91-20-3	ug/l	N	U		N	U		N	U		
Nitrobenzene	98-95-3	ug/l	N	U		N	U		N	U		
N-Nitrosodi-N-Propylamine	621-64-7	ug/l	N	U		N	U		N	U		
N-Nitrosodiphenylamine	86-30-6	ug/l	N	U		N	U		N	U		

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

SYS_LOC_CODE							SW-DUP-20230425			SW-01A		
SYS_SAMPLE_CODE		SW-03A-20230425DUP1					SW-DUP-20230425			SW-01A-20230425		
SAMPLEDATE		27 Apr 2023					25 Apr 2023			25 Apr 2023		
LATITUDE										43.074508		
LONGITUDE										-73.8624565		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	
PCB-1016 (Aroclor 1016)	12674-11-2	ug/l					N	U		N	U	
PCB-1221 (Aroclor 1221)	11104-28-2	ug/l					N	U		N	U	
PCB-1232 (Aroclor 1232)	11141-16-5	ug/l					N	U		N	U	
PCB-1242 (Aroclor 1242)	53469-21-9	ug/l					N	U		N	U	
PCB-1248 (Aroclor 1248)	12672-29-6	ug/l					N	U		N	U	
PCB-1254 (Aroclor 1254)	11097-69-1	ug/l					N	U		N	U	
PCB-1260 (Aroclor 1260)	11096-82-5	ug/l					N	U		N	U	
PCB-1262 (Aroclor 1262)	37324-23-5	ug/l					N	U		N	U	
PCB-1268 (Aroclor 1268)	11100-14-4	ug/l					N	U		N	U	
Pentachlorophenol	87-86-5	ug/l					N	U		N	U	
Phenanthrene	85-01-8	ug/l					N	U		N	U	
Phenol	108-95-2	ug/l					N	U		N	U	
Pyrene	129-00-0	ug/l					N	U		N	U	
Selenium	7782-49-2	mg/l					N	U		N	U	
Silver	7440-22-4	mg/l					N	U		N	U	
Styrene	100-42-5	ug/l					N	U		N	U	
Tert-Butyl Methyl Ether	1634-04-4	ug/l					N	U		N	U	
Tetrachloroethylene (PCE)	127-18-4	ug/l					N	U		N	U	
Thallium	7440-28-0	mg/l					N	U		N	U	
Toluene	108-88-3	ug/l					N	U		N	U	
Trans-1,2-Dichloroethene	156-60-5	ug/l					N	U		N	U	
Trans-1,3-Dichloropropene	10061-02-6	ug/l					N	U		N	U	
Trichloroethylene (TCE)	79-01-6	ug/l					N	U		N	U	
Trichlorofluoromethane	75-69-4	ug/l					N	U		N	U	
Vinyl Chloride	75-01-4	ug/l					N	U		N	U	
Xylenes	1330-20-7	ug/l					N	U		N	U	

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-02A			SW-02A			SW-03A		
SYS_SAMPLE_CODE			DUPLICATE-04-23-25			SW-02A-20230425			SW-03A-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072944			43.072944			43.072944		
LONGITUDE			-73.8641113			-73.8641113			-73.86477		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
PCB-1016 (Aroclor 1016)	12674-11-2	ug/l				N	U		N	U	
PCB-1221 (Aroclor 1221)	11104-28-2	ug/l				N	U		N	U	
PCB-1232 (Aroclor 1232)	11141-16-5	ug/l				N	U		N	U	
PCB-1242 (Aroclor 1242)	53469-21-9	ug/l				N	U		N	U	
PCB-1248 (Aroclor 1248)	12672-29-6	ug/l				N	U		N	U	
PCB-1254 (Aroclor 1254)	11097-69-1	ug/l				N	U		N	U	
PCB-1260 (Aroclor 1260)	11096-82-5	ug/l				N	U		N	U	
PCB-1262 (Aroclor 1262)	37324-23-5	ug/l				N	U		N	U	
PCB-1268 (Aroclor 1268)	11100-14-4	ug/l				N	U		N	U	
Pentachlorophenol	87-86-5	ug/l				N	U		N	U	
Phenanthrene	85-01-8	ug/l				N	U		N	U	
Phenol	108-95-2	ug/l				N	U		N	U	
Pyrene	129-00-0	ug/l				N	U		N	U	
Selenium	7782-49-2	mg/l				N	U		N	U	
Silver	7440-22-4	mg/l				N	U		N	U	
Styrene	100-42-5	ug/l				N	U		N	U	
Tert-Butyl Methyl Ether	1634-04-4	ug/l				N	U		N	U	
Tetrachloroethylene (PCE)	127-18-4	ug/l				N	U		N	U	
Thallium	7440-28-0	mg/l				N	U		N	U	
Toluene	108-88-3	ug/l				N	U		N	U	
Trans-1,2-Dichloroethene	156-60-5	ug/l				N	U		N	U	
Trans-1,3-Dichloropropene	10061-02-6	ug/l				N	U		N	U	
Trichloroethylene (TCE)	79-01-6	ug/l				N	U		N	U	
Trichlorofluoromethane	75-69-4	ug/l				N	U		N	U	
Vinyl Chloride	75-01-4	ug/l				N	U		N	U	
Xylenes	1330-20-7	ug/l				N	U		N	U	

ng/l = nanogram per liter

U = non detect

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estimated

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Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-04A			SW-05			SW-06		
SYS_SAMPLE_CODE			SW-04A-20230425			SW-05-20230425			SW-06-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072081			43.072605			43.0728		
LONGITUDE			-73.8641216			-73.8651411			-73.8640575		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
PCB-1016 (Aroclor 1016)	12674-11-2	ug/l		N	U		N	U		N	U
PCB-1221 (Aroclor 1221)	11104-28-2	ug/l		N	U		N	U		N	U
PCB-1232 (Aroclor 1232)	11141-16-5	ug/l		N	U		N	U		N	U
PCB-1242 (Aroclor 1242)	53469-21-9	ug/l		N	U		N	U		N	U
PCB-1248 (Aroclor 1248)	12672-29-6	ug/l		N	U		N	U		N	U
PCB-1254 (Aroclor 1254)	11097-69-1	ug/l		N	U		N	U		N	U
PCB-1260 (Aroclor 1260)	11096-82-5	ug/l		N	U		N	U		N	U
PCB-1262 (Aroclor 1262)	37324-23-5	ug/l		N	U		N	U		N	U
PCB-1268 (Aroclor 1268)	11100-14-4	ug/l		N	U		N	U		N	U
Pentachlorophenol	87-86-5	ug/l		N	U		N	U		N	U
Phenanthrene	85-01-8	ug/l		N	U		N	U		N	U
Phenol	108-95-2	ug/l		N	U		N	U		N	U
Pyrene	129-00-0	ug/l		N	U		N	U		N	U
Selenium	7782-49-2	mg/l		N	U		N	U		N	U
Silver	7440-22-4	mg/l		N	U		N	U		N	U
Styrene	100-42-5	ug/l		N	U		N	U		N	U
Tert-Butyl Methyl Ether	1634-04-4	ug/l		N	U		N	U		N	U
Tetrachloroethylene (PCE)	127-18-4	ug/l		N	U		N	U		N	U
Thallium	7440-28-0	mg/l		N	U		N	U		N	U
Toluene	108-88-3	ug/l		N	U		N	U		N	U
Trans-1,2-Dichloroethene	156-60-5	ug/l		N	U		N	U		N	U
Trans-1,3-Dichloropropene	10061-02-6	ug/l		N	U		N	U		N	U
Trichloroethylene (TCE)	79-01-6	ug/l		N	U		N	U		N	U
Trichlorofluoromethane	75-69-4	ug/l		N	U		N	U		N	U
Vinyl Chloride	75-01-4	ug/l		N	U		N	U		N	U
Xylenes	1330-20-7	ug/l		N	U		N	U		N	U

ng/l = nanogram per liter

U = non detect

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estimated

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Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-07			SW-08			SW-09		
SYS_SAMPLE_CODE			SW-07-20230425			SW-08-20230425			SW-09-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072289			43.072328			43.071816		
LONGITUDE			-73.8651146			-73.8640152			-73.8649394		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
PCB-1016 (Aroclor 1016)	12674-11-2	ug/l		N	U		N	U		N	U
PCB-1221 (Aroclor 1221)	11104-28-2	ug/l		N	U		N	U		N	U
PCB-1232 (Aroclor 1232)	11141-16-5	ug/l		N	U		N	U		N	U
PCB-1242 (Aroclor 1242)	53469-21-9	ug/l		N	U		N	U		N	U
PCB-1248 (Aroclor 1248)	12672-29-6	ug/l		N	U		N	U		N	U
PCB-1254 (Aroclor 1254)	11097-69-1	ug/l		N	U		N	U		N	U
PCB-1260 (Aroclor 1260)	11096-82-5	ug/l		N	U		N	U		N	U
PCB-1262 (Aroclor 1262)	37324-23-5	ug/l		N	U		N	U		N	U
PCB-1268 (Aroclor 1268)	11100-14-4	ug/l		N	U		N	U		N	U
Pentachlorophenol	87-86-5	ug/l		N	U		N	U		N	U
Phenanthrene	85-01-8	ug/l		N	U		N	U		N	U
Phenol	108-95-2	ug/l		N	U		N	U		N	U
Pyrene	129-00-0	ug/l		N	U		N	U		N	U
Selenium	7782-49-2	mg/l		N	U		N	U		N	U
Silver	7440-22-4	mg/l		N	U		N	U		N	U
Styrene	100-42-5	ug/l		N	U		N	U		N	U
Tert-Butyl Methyl Ether	1634-04-4	ug/l		N	U		N	U		N	U
Tetrachloroethylene (PCE)	127-18-4	ug/l		N	U		N	U		N	U
Thallium	7440-28-0	mg/l		N	U		N	U		N	U
Toluene	108-88-3	ug/l		N	U		N	U		N	U
Trans-1,2-Dichloroethene	156-60-5	ug/l		N	U		N	U		N	U
Trans-1,3-Dichloropropene	10061-02-6	ug/l		N	U		N	U		N	U
Trichloroethylene (TCE)	79-01-6	ug/l		N	U		N	U		N	U
Trichlorofluoromethane	75-69-4	ug/l		N	U		N	U		N	U
Vinyl Chloride	75-01-4	ug/l		N	U		N	U		N	U
Xylenes	1330-20-7	ug/l		N	U		N	U		N	U

ng/l = nanogram per liter

U = non detect

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estimated

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Table 2  
Sediment Results All Compounds

SYS_LOC_CODE			SW-10			SW-11			SW-13		
SYS_SAMPLE_CODE			SW-10-20230425			SW-11-20230425			SW-13-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072057			43.071642			43.07318		
LONGITUDE			-73.8636211			-73.8640285			-73.861861		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
PCB-1016 (Aroclor 1016)	12674-11-2	ug/l		N	U		N	U		N	U
PCB-1221 (Aroclor 1221)	11104-28-2	ug/l		N	U		N	U		N	U
PCB-1232 (Aroclor 1232)	11141-16-5	ug/l		N	U		N	U		N	U
PCB-1242 (Aroclor 1242)	53469-21-9	ug/l		N	U		N	U		N	U
PCB-1248 (Aroclor 1248)	12672-29-6	ug/l		N	U		N	U		N	U
PCB-1254 (Aroclor 1254)	11097-69-1	ug/l		N	U		N	U		N	U
PCB-1260 (Aroclor 1260)	11096-82-5	ug/l		N	U		N	U		N	U
PCB-1262 (Aroclor 1262)	37324-23-5	ug/l		N	U		N	U		N	U
PCB-1268 (Aroclor 1268)	11100-14-4	ug/l		N	U		N	U		N	U
Pentachlorophenol	87-86-5	ug/l		N	U		N	U		N	U
Phenanthrene	85-01-8	ug/l		N	U		N	U		N	U
Phenol	108-95-2	ug/l		N	U		N	U		N	U
Pyrene	129-00-0	ug/l		N	U		N	U		N	U
Selenium	7782-49-2	mg/l		N	U		N	U		N	U
Silver	7440-22-4	mg/l		N	U		N	U		N	U
Styrene	100-42-5	ug/l		N	U		N	U		N	U
Tert-Butyl Methyl Ether	1634-04-4	ug/l		N	U		N	U		N	U
Tetrachloroethylene (PCE)	127-18-4	ug/l		N	U		N	U		N	U
Thallium	7440-28-0	mg/l		N	U		N	U		N	U
Toluene	108-88-3	ug/l		N	U		N	U		N	U
Trans-1,2-Dichloroethene	156-60-5	ug/l		N	U		N	U		N	U
Trans-1,3-Dichloropropene	10061-02-6	ug/l		N	U		N	U		N	U
Trichloroethylene (TCE)	79-01-6	ug/l		N	U		N	U		N	U
Trichlorofluoromethane	75-69-4	ug/l		N	U		N	U		N	U
Vinyl Chloride	75-01-4	ug/l		N	U		N	U		N	U
Xylenes	1330-20-7	ug/l		N	U		N	U		N	U

ng/l = nanogram per liter

U = non detect

D = compound identified has been diluted

J = the reported value is

estimated

Blank cells indicate the sample was not analyzed for the specific compound

Table 3  
Groundwater Data PFAS

SYS_LOC_CODE			MW-03			MW-04			MW-04			UNK-02		
SYS_SAMPLE_CODE			MW-03-20230425			GW-DUP-20230425			MW-04-20230425			UNK-02-20230425		
SAMPLEDATE			25 Apr 2023			25 Apr 2023			25 Apr 2023			25 Apr 2023		
LATITUDE			43.072668			43.074235			43.074235			43.073026		
LONGITUDE			-73.8609919			-73.8624421			-73.8624421			-73.8630775		
CHEMICAL_NAME	CAS_RN	REPORT_RESULT_U NIT	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS	RESULT_NUMERIC	DETECT_FLAG	LAB_QUALIFIERS
11-Chloroeicosfluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	763051-92-9	ng/l		N	U		N	U		N	U		N	U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	ng/l		N	U		N	U		N	U		N	U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	ng/l		N	U		N	U		N	U		N	U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	ng/l		N	U		N	U		N	U		N	U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ng/l		N	U		N	U		N	U		N	U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	756426-58-1	ng/l		N	U		N	U		N	U		N	U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	ng/l		N	U		N	U		N	U		N	U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2991-50-6	ng/l		N	U		N	U		N	U		N	U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ng/l		N	U		N	U		N	U		N	U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	ng/l		N	U		N	U		N	U		N	U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	113507-82-7	ng/l		N	U		N	U		N	U		N	U
Perfluoro-1-butanefluoramide (FBSA)	30334-69-1	ng/l	1.6	Y	J		N	U		N	U	1.9	Y	J
Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	ng/l		N	U		N	U		N	U	2.1	Y	
Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	ng/l		N	U		N	U		N	U		N	U
Perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	ng/l		N	U		N	U		N	U		N	U
Perfluorobutanesulfonic acid (PFBS)	375-73-5	ng/l	8.2	Y		1.2	Y	J	1.3	Y	J	7.1	Y	
Perfluorobutanoic Acid	375-22-4	ng/l	12	Y		9.5	Y		9.4	Y		34	Y	
Perfluorodecanesulfonic acid (PFDS)	335-77-3	ng/l		N	U		N	U		N	U		N	U
Perfluorodecanoic acid (PFDA)	335-76-2	ng/l	1.8	Y	J	2.5	Y		2.9	Y		1.2	Y	J
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/l		N	U		N	U		N	U		N	U
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	ng/l	4.1	Y			N	U		N	U	8	Y	
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/l	21	Y		3.2	Y		3.6	Y		63	Y	
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ng/l	35	Y			N	U		N	U	44	Y	
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/l	23	Y		11	Y		11	Y		55	Y	
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	ng/l		N	U		N	U		N	U		N	U
Perfluorononanoic acid (PFNA)	375-95-1	ng/l	7.1	Y		3.4	Y		3.9	Y		17	Y	
Perfluorooctane Sulfonamide (PFOSA)	754-91-6	ng/l	1.4	Y	J		N	U		N	U		N	U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/l	78	Y		4.8	Y		5.1	Y		180	Y	D
Perfluorooctanoic acid (PFOA)	335-67-1	ng/l	89	Y		6.6	Y		7.8	Y		170	Y	
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	ng/l	5.9	Y			N	U		N	U	6	Y	
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ng/l	22	Y		24	Y		25	Y		57	Y	
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/l		N	U		N	U		N	U		N	U
Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	72629-94-8	ng/l		N	U		N	U		N	U		N	U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ng/l		N	U		N	U		N	U		N	U

ng/l = nanogram per liter  
U = non detect  
D = compound identified has been diluted  
J = the reported value is estimated

# **APPENDIX A**



June 2, 2023

Anthony Bollasina  
NYS Division of Environmental Remediation  
625 Broadway 12th Floor  
Albany, NY 12233-7012

Project Location: Milton, NY  
Client Job Number:  
Project Number: 546061  
Laboratory Work Order Number: 23D3154

Enclosed are results of analyses for samples as received by the laboratory on April 26, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy  
Project Manager

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 NYS Division of Environmental Remediation  
 625 Broadway 12th Floor  
 Albany, NY 12233-7012  
 ATTN: Anthony Bollasina

REPORT DATE: 6/2/2023

PURCHASE ORDER NUMBER: 147267

PROJECT NUMBER: 546061

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 23D3154

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Milton, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SED-01A-20230425	23D3154-01	Soil		SM 2540G SOP-466 PFAS	
SED-02A-20230425	23D3154-02	Soil		SM 2540G SOP-466 PFAS	
SED-03A-20230425	23D3154-03	Soil		SM 2540G SOP-466 PFAS	
SED-04A-20230425	23D3154-04	Soil		SM 2540G SOP-466 PFAS	
SED-05-20230425	23D3154-05	Soil		SM 2540G SOP-466 PFAS	
SED-06-20230425	23D3154-06	Soil		SM 2540G SOP-466 PFAS	
SED-07-20230425	23D3154-07	Soil		SM 2540G SOP-466 PFAS	
SED-08-20230425	23D3154-08	Soil		SM 2540G SOP-466 PFAS	
SED-09-20230425	23D3154-09	Soil		SM 2540G SOP-466 PFAS	
SED-10-20230425	23D3154-10	Soil		SM 2540G SOP-466 PFAS	
SED-11-20230425	23D3154-11	Soil		SM 2540G SOP-466 PFAS	
SED-13-20230425	23D3154-12	Soil		SM 2540G SOP-466 PFAS	
DUPLICATE-2023-04-25	23D3154-13	Soil		SM 2540G SOP-466 PFAS	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED 6/2/23: Sample -12 ID revised to reflect chain of custody.

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**SOP-466 PFAS****Qualifications:****MS-22**

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

**Analyte & Samples(s) Qualified:****N-EtFOSAA (NEtFOSAA)**

B338518-MSD1

**Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**

B338518-MSD1

**Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)**

B338518-MSD1

**Perfluorodecanoic acid (PFDA)**

B338518-MSD1

**Perfluoroheptanoic acid (PFHpA)**

B338518-MSD1

**Perfluorononanesulfonic acid (PFNS)**

B338518-MSD1

**Perfluorooctanoic acid (PFOA)**

B338518-MSD1

**Perfluoropentanesulfonic acid (PFPeS)**

B338518-MSD1

**PF-18**

Duplicate analysis confirmed Extracted Internal Standard failure due to matrix effects.

**Analyte & Samples(s) Qualified:****D5-NEtFOSAA**

23D3154-09[SED-09-20230425]

**M2PFTA**

23D3154-09[SED-09-20230425]

**MPFDoA**

23D3154-09[SED-09-20230425]

**R-06**

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

**Analyte & Samples(s) Qualified:****6:2 Fluorotelomersulfonic acid (6:2FTS A)**

B338518-MSD1

**S-29**

Extracted Internal Standard is outside of control limits.

**Analyte & Samples(s) Qualified:****D3-NMeFOSAA**

23D3154-09[SED-09-20230425]

**D5-NEtFOSAA**

23D3154-08[SED-08-20230425], 23D3154-10[SED-10-20230425], B338518-BS1

**M2-6:2FTS**

B339724-BS1

**M2PFTA**

23D3154-08[SED-08-20230425], 23D3154-10[SED-10-20230425], 23D3154-13[DUPLICATE-2023-04-25]

**M3HFPO-DA**

S087399-CCV2, S087399-CCV6

**M9PFNA**

B338518-BS1

**V-05**

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

**Analyte & Samples(s) Qualified:****N-MeFOSAA (NMeFOSAA)**

23D3154-01[SED-01A-20230425], 23D3154-02[SED-02A-20230425], 23D3154-03[SED-03A-20230425], 23D3154-04[SED-04A-20230425], 23D3154-05[SED-05-20230425], 23D3154-06[SED-06-20230425], 23D3154-07[SED-07-20230425], 23D3154-08[SED-08-20230425], 23D3154-09[SED-09-20230425], 23D3154-10[SED-10-20230425], 23D3154-11[SED-11-20230425], 23D3154-12[SED-13-20230425], 23D3154-13[DUPLICATE-2023-04-25], S087399-CCV2

**V-06**

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

**Analyte & Samples(s) Qualified:**

**Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)**

S087399-CCV3, S087399-CCV4

**Perfluorononanoic acid (PFNA)**

S087399-CCV3, S087399-CCV4

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3154-01

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.96	0.38	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.96	0.33	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoropentanoic acid (PFPeA)	ND	0.96	0.34	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.96	0.35	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.96	0.39	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.96	0.52	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.96	0.36	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.96	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	0.96	0.41	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorodecanoic acid (PFDA)	ND	0.96	0.39	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.96	0.58	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.96	0.33	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.96	0.43	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.96	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.96	0.46	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorotetradecanoic acid (PFTA)	ND	0.96	0.44	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.96	0.30	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	0.96	0.35	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.96	0.46	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorooctanesulfonamide (FOSA)	ND	0.96	0.40	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.96	0.53	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.96	0.42	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.96	0.39	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.96	0.44	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.96	0.32	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.96	0.34	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	0.96	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.96	0.37	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.96	0.32	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.96	0.33	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.96	0.37	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorooctanoic acid (PFOA)	ND	0.96	0.34	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.96	0.59	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorononanoic acid (PFNA)	ND	0.96	0.42	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3154-01

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	45.9		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-02A-20230425

Sampled: 4/25/2023 12:30

Sample ID: 23D3154-02

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	3.3	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	3.3	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoropentanoic acid (PFPeA)	ND	3.3	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorohexanoic acid (PFHxA)	ND	3.3	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.3	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.3	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.3	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.3	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	3.3	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorodecanoic acid (PFDA)	ND	3.3	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorododecanoic acid (PFDoA)	ND	3.3	2.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.3	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	3.3	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
N-EtFOSAA (NEtFOSAA)	ND	3.3	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
N-MeFOSAA (NMeFOSAA)	ND	3.3	1.6	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorotetradecanoic acid (PFTA)	ND	3.3	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	3.3	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	3.3	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	3.3	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorooctanesulfonamide (FOSA)	ND	3.3	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorononanesulfonic acid (PFNS)	ND	3.3	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	3.3	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	3.3	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	3.3	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.3	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.3	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	3.3	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	3.3	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoroundecanoic acid (PFUnA)	ND	3.3	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.3	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoroheptanoic acid (PFHpA)	ND	3.3	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorooctanoic acid (PFOA)	ND	3.3	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorooctanesulfonic acid (PFOS)	6.6	3.3	2.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorononanoic acid (PFNA)	ND	3.3	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-02A-20230425

Sampled: 4/25/2023 12:30

Sample ID: 23D3154-02

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	12.9		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-03A-20230425

Sampled: 4/25/2023 10:40

Sample ID: 23D3154-03

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.4	0.56	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.4	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.4	0.50	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.4	0.51	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
11Cl-PF3OUdS (F53B Major)	ND	1.4	0.58	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
9Cl-PF3ONS (F53B Minor)	ND	1.4	0.76	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.4	0.52	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.4	0.71	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.4	0.60	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorodecanoic acid (PFDA)	ND	1.4	0.57	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.4	0.84	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.4	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.4	0.63	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.4	0.70	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.4	0.67	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorotetradecanoic acid (PFTA)	ND	1.4	0.65	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.4	0.44	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.4	0.51	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.4	0.66	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorooctanesulfonamide (FOSA)	ND	1.4	0.58	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.4	0.77	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.4	0.61	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.4	0.57	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.4	0.63	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.4	0.47	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.4	0.50	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.4	0.69	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.4	0.53	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.4	0.47	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.4	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.4	0.53	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorooctanoic acid (PFOA)	ND	1.4	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.4	0.86	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorononanoic acid (PFNA)	ND	1.4	0.61	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-03A-20230425

Sampled: 4/25/2023 10:40

Sample ID: 23D3154-03

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	29.9		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-04A-20230425

Sampled: 4/25/2023 10:50

Sample ID: 23D3154-04

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	2.4	0.97	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	2.4	0.84	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.4	0.87	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorohexanoic acid (PFHxA)	ND	2.4	0.88	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
11Cl-PF3OUdS (F53B Major)	ND	2.4	0.99	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
9Cl-PF3ONS (F53B Minor)	ND	2.4	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.4	0.91	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.4	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.4	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorodecanoic acid (PFDA)	2.1	2.4	0.98	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorododecanoic acid (PFDoA)	ND	2.4	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.4	0.83	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
N-EtFOSAA (NEtFOSAA)	ND	2.4	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
N-MeFOSAA (NMeFOSAA)	ND	2.4	1.2	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorotetradecanoic acid (PFTA)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	2.4	0.77	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.4	0.88	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorooctanesulfonamide (FOSA)	ND	2.4	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorononanesulfonic acid (PFNS)	ND	2.4	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	2.4	0.98	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.4	0.82	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.4	0.86	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.4	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	2.4	0.92	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoroundecanoic acid (PFUnA)	ND	2.4	0.81	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.4	0.84	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoroheptanoic acid (PFHpA)	ND	2.4	0.92	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorooctanoic acid (PFOA)	2.5	2.4	0.85	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorooctanesulfonic acid (PFOS)	34	2.4	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorononanoic acid (PFNA)	2.3	2.4	1.1	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-04A-20230425

Sampled: 4/25/2023 10:50

Sample ID: 23D3154-04

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	18.1		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-05-20230425

Sampled: 4/25/2023 11:10

Sample ID: 23D3154-05

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.3	0.54	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.3	0.47	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.3	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.3	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
11Cl-PF3OUdS (F53B Major)	ND	1.3	0.55	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
9Cl-PF3ONS (F53B Minor)	ND	1.3	0.73	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.3	0.51	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.3	0.68	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.3	0.58	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorodecanoic acid (PFDA)	ND	1.3	0.55	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.3	0.81	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.3	0.47	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.3	0.61	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.3	0.67	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.3	0.65	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorotetradecanoic acid (PFTA)	ND	1.3	0.62	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.3	0.43	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.3	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.3	0.64	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorooctanesulfonamide (FOSA)	ND	1.3	0.56	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.3	0.74	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.3	0.59	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.3	0.55	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.3	0.61	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.3	0.46	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.3	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.3	0.67	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.3	0.51	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.3	0.45	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.3	0.47	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.3	0.51	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorooctanoic acid (PFOA)	0.65	1.3	0.48	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorooctanesulfonic acid (PFOS)	4.4	1.3	0.83	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorononanoic acid (PFNA)	ND	1.3	0.59	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-05-20230425

Sampled: 4/25/2023 11:10

Sample ID: 23D3154-05

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	31.0		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-06-20230425

Sampled: 4/25/2023 12:10

Sample ID: 23D3154-06

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	2.4	0.98	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	2.4	0.85	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.4	0.88	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorohexanoic acid (PFHxA)	ND	2.4	0.89	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
11Cl-PF3OUdS (F53B Major)	ND	2.4	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
9Cl-PF3ONS (F53B Minor)	ND	2.4	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.4	0.92	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.4	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorodecanoic acid (PFDA)	3.8	2.4	0.99	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorododecanoic acid (PFDoA)	1.9	2.4	1.5	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.4	0.84	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
N-EtFOSAA (NEtFOSAA)	2.3	2.4	1.2	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
N-MeFOSAA (NMeFOSAA)	ND	2.4	1.2	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorotetradecanoic acid (PFTA)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	2.4	0.78	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.4	0.89	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	2.4	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorooctanesulfonamide (FOSA)	ND	2.4	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorononanesulfonic acid (PFNS)	ND	2.4	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoro-1-butanesulfonamide (FBSA)	ND	2.4	0.99	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.4	0.82	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.4	0.87	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.4	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	2.4	0.93	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoroundecanoic acid (PFUnA)	3.6	2.4	0.82	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.4	0.85	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoroheptanoic acid (PFHpA)	ND	2.4	0.93	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorooctanoic acid (PFOA)	1.3	2.4	0.86	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorooctanesulfonic acid (PFOS)	27	2.4	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorononanoic acid (PFNA)	1.1	2.4	1.1	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-06-20230425

Sampled: 4/25/2023 12:10

Sample ID: 23D3154-06

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	17.2		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-07-20230425

Sampled: 4/25/2023 11:20

Sample ID: 23D3154-07

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	0.91	2.0	0.81	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	0.70	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.0	0.73	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorohexanoic acid (PFHxA)	ND	2.0	0.74	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
11Cl-PF3OUdS (F53B Major)	ND	2.0	0.84	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
9Cl-PF3ONS (F53B Minor)	ND	2.0	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	0.76	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0	0.87	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorodecanoic acid (PFDA)	ND	2.0	0.82	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorododecanoic acid (PFDoA)	ND	2.0	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	2.0	0.70	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	0.91	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
N-EtFOSAA (NEtFOSAA)	ND	2.0	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
N-MeFOSAA (NMeFOSAA)	ND	2.0	0.97	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorotetradecanoic acid (PFTA)	ND	2.0	0.94	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	0.65	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0	0.74	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	2.0	0.96	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorooctanesulfonamide (FOSA)	ND	2.0	0.84	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorononanesulfonic acid (PFNS)	ND	2.0	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	2.0	0.89	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoro-1-butanesulfonamide (FBSA)	ND	2.0	0.82	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	0.92	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	0.69	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	0.72	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0	0.77	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoroundecanoic acid (PFUnA)	ND	2.0	0.68	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.71	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoroheptanoic acid (PFHpA)	ND	2.0	0.77	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorooctanoic acid (PFOA)	1.5	2.0	0.72	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorooctanesulfonic acid (PFOS)	6.3	2.0	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorononanoic acid (PFNA)	ND	2.0	0.89	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-07-20230425

Sampled: 4/25/2023 11:20

Sample ID: 23D3154-07

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	20.6		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-08-20230425

Sampled: 4/25/2023 10:30

Sample ID: 23D3154-08

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.1	0.44	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.1	0.38	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.1	0.40	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.1	0.40	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
11Cl-PF3OUdS (F53B Major)	ND	1.1	0.46	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
9Cl-PF3ONS (F53B Minor)	ND	1.1	0.60	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.1	0.42	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.1	0.56	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.1	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorodecanoic acid (PFDA)	ND	1.1	0.45	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.1	0.67	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.1	0.38	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.1	0.50	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.1	0.55	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.1	0.53	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorotetradecanoic acid (PFTA)	ND	1.1	0.51	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.1	0.35	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.1	0.40	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.1	0.53	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorooctanesulfonamide (FOSA)	ND	1.1	0.46	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.1	0.61	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.1	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.1	0.45	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.1	0.50	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.1	0.37	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.1	0.39	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.1	0.55	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.1	0.42	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.1	0.37	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.1	0.39	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.1	0.42	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorooctanoic acid (PFOA)	0.99	1.1	0.39	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorooctanesulfonic acid (PFOS)	8.7	1.1	0.68	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorononanoic acid (PFNA)	0.78	1.1	0.48	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-08-20230425

Sampled: 4/25/2023 10:30

Sample ID: 23D3154-08

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	37.8		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-09-20230425

Sampled: 4/25/2023 11:40

Sample ID: 23D3154-09

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	2.9	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	2.9	0.99	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.9	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorohexanoic acid (PFHxA)	ND	2.9	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
11Cl-PF3OUdS (F53B Major)	ND	2.9	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
9Cl-PF3ONS (F53B Minor)	ND	2.9	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.9	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.9	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.9	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorodecanoic acid (PFDA)	ND	2.9	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorododecanoic acid (PFDoA)	ND	2.9	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.9	0.99	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.9	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
N-EtFOSAA (NEtFOSAA)	ND	2.9	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
N-MeFOSAA (NMeFOSAA)	ND	2.9	1.4	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorotetradecanoic acid (PFTA)	ND	2.9	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	2.9	0.91	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.9	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	2.9	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorooctanesulfonamide (FOSA)	ND	2.9	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorononanesulfonic acid (PFNS)	ND	2.9	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	2.9	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	2.9	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	2.9	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.9	0.97	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.9	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.9	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	2.9	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoroundecanoic acid (PFUnA)	ND	2.9	0.96	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.9	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoroheptanoic acid (PFHpA)	ND	2.9	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorooctanoic acid (PFOA)	ND	2.9	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	2.9	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorononanoic acid (PFNA)	ND	2.9	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-09-20230425

Sampled: 4/25/2023 11:40

Sample ID: 23D3154-09

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	15.4		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-10-20230425

Sampled: 4/25/2023 10:20

Sample ID: 23D3154-10

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	4.6	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	4.6	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoropentanoic acid (PFPeA)	ND	4.6	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorohexanoic acid (PFHxA)	ND	4.6	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
11Cl-PF3OUdS (F53B Major)	ND	4.6	1.9	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
9Cl-PF3ONS (F53B Minor)	ND	4.6	2.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.6	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.6	2.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	4.6	2.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorodecanoic acid (PFDA)	ND	4.6	1.9	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorododecanoic acid (PFDoA)	ND	4.6	2.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	4.6	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	4.6	2.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
N-EtFOSAA (NEtFOSAA)	ND	4.6	2.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
N-MeFOSAA (NMeFOSAA)	ND	4.6	2.2	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorotetradecanoic acid (PFTA)	ND	4.6	2.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	4.6	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	4.6	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	4.6	2.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorooctanesulfonamide (FOSA)	ND	4.6	1.9	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorononanesulfonic acid (PFNS)	ND	4.6	2.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	4.6	2.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoro-1-butanesulfonamide (FBSA)	ND	4.6	1.9	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	4.6	2.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.6	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.6	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	4.6	2.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	4.6	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoroundecanoic acid (PFUnA)	ND	4.6	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.6	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoroheptanoic acid (PFHpA)	ND	4.6	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorooctanoic acid (PFOA)	6.9	4.6	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorooctanesulfonic acid (PFOS)	26	4.6	2.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorononanoic acid (PFNA)	3.4	4.6	2.0	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-10-20230425

Sampled: 4/25/2023 10:20

Sample ID: 23D3154-10

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	9.41		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-11-20230425

Sampled: 4/25/2023 10:10

Sample ID: 23D3154-11

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	3.7	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoropentanoic acid (PFPeA)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorohexanoic acid (PFHxA)	ND	3.7	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.7	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.7	2.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.7	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.7	1.9	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	3.7	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorodecanoic acid (PFDA)	ND	3.7	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorododecanoic acid (PFDoA)	ND	3.7	2.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	3.7	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
N-EtFOSAA (NEtFOSAA)	ND	3.7	1.9	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
N-MeFOSAA (NMeFOSAA)	ND	3.7	1.8	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorotetradecanoic acid (PFTA)	ND	3.7	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	3.7	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	3.7	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	3.7	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorooctanesulfonamide (FOSA)	ND	3.7	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorononanesulfonic acid (PFNS)	ND	3.7	2.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	3.7	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoro-1-butanesulfonamide (FBSA)	ND	3.7	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	3.7	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	3.7	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	3.7	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoroundecanoic acid (PFUnA)	ND	3.7	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoroheptanoic acid (PFHpA)	ND	3.7	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorooctanoic acid (PFOA)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorooctanesulfonic acid (PFOS)	3.4	3.7	2.3	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorononanoic acid (PFNA)	ND	3.7	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-11-20230425

Sampled: 4/25/2023 10:10

Sample ID: 23D3154-11

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	11.8		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-13-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3154-12

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.81	0.33	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.81	0.28	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoropentanoic acid (PFPeA)	ND	0.81	0.29	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.81	0.30	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.81	0.34	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.81	0.44	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.81	0.31	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.81	0.41	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	0.81	0.35	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorodecanoic acid (PFDA)	0.80	0.81	0.33	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.81	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.81	0.28	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.81	0.37	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.81	0.41	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.81	0.39	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorotetradecanoic acid (PFTA)	ND	0.81	0.38	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.81	0.26	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	0.81	0.30	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.81	0.39	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorooctanesulfonamide (FOSA)	ND	0.81	0.34	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.81	0.45	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.81	0.36	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	0.81	0.33	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.81	0.37	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.81	0.28	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.81	0.29	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	0.81	0.40	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.81	0.31	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.81	0.27	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.81	0.28	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.81	0.31	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorooctanoic acid (PFOA)	1.2	0.81	0.29	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorooctanesulfonic acid (PFOS)	9.4	0.81	0.50	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorononanoic acid (PFNA)	0.42	0.81	0.36	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-13-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3154-12

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	53.2		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: DUPLICATE-2023-04-25

Sampled: 4/25/2023 00:00

Sample ID: 23D3154-13

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.6	0.63	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	0.54	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.6	0.56	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.6	0.57	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
11Cl-PF3OUdS (F53B Major)	ND	1.6	0.64	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
9Cl-PF3ONS (F53B Minor)	ND	1.6	0.85	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.6	0.59	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.6	0.80	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.6	0.67	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorodecanoic acid (PFDA)	2.7	1.6	0.63	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorododecanoic acid (PFDoA)	1.0	1.6	0.94	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.6	0.54	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	0.70	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
N-EtFOSAA (NEtFOSAA)	1.4	1.6	0.78	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.6	0.75	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorotetradecanoic acid (PFTA)	ND	1.6	0.73	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	0.50	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.6	0.57	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	0.74	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorooctanesulfonamide (FOSA)	ND	1.6	0.65	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.6	0.86	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.6	0.69	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.6	0.64	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	0.71	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.6	0.53	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.6	0.56	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.6	0.78	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.6	0.60	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoroundecanoic acid (PFUnA)	2.4	1.6	0.53	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.6	0.55	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.6	0.60	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorooctanoic acid (PFOA)	0.75	1.6	0.55	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorooctanesulfonic acid (PFOS)	16	1.6	0.96	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorononanoic acid (PFNA)	ND	1.6	0.68	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

 Field Sample #: **DUPLICATE-2023-04-25**

Sampled: 4/25/2023 00:00

 Sample ID: **23D3154-13**

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	27.4		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC



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**Sample Extraction Data**

**Prep Method:**% Solids      **Analytical Method:**SM 2540G

Lab Number [Field ID]	Batch	Date
23D3154-01 [SED-01A-20230425]	B338436	04/27/23
23D3154-02 [SED-02A-20230425]	B338436	04/27/23
23D3154-03 [SED-03A-20230425]	B338436	04/27/23
23D3154-04 [SED-04A-20230425]	B338436	04/27/23
23D3154-05 [SED-05-20230425]	B338436	04/27/23
23D3154-06 [SED-06-20230425]	B338436	04/27/23
23D3154-07 [SED-07-20230425]	B338436	04/27/23
23D3154-08 [SED-08-20230425]	B338436	04/27/23
23D3154-09 [SED-09-20230425]	B338436	04/27/23
23D3154-10 [SED-10-20230425]	B338436	04/27/23
23D3154-11 [SED-11-20230425]	B338436	04/27/23
23D3154-12 [SED-13-20230425]	B338436	04/27/23
23D3154-13 [DUPLICATE-2023-04-25]	B338436	04/27/23

**Prep Method:**SOP 465-PFAAS      **Analytical Method:**SOP-466 PFAS

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23D3154-01 [SED-01A-20230425]	B338518	5.63	5.00	05/03/23
23D3154-02 [SED-02A-20230425]	B338518	5.87	5.00	05/03/23
23D3154-03 [SED-03A-20230425]	B338518	5.94	5.00	05/03/23
23D3154-04 [SED-04A-20230425]	B338518	5.67	5.00	05/03/23
23D3154-05 [SED-05-20230425]	B338518	5.93	5.00	05/03/23
23D3154-06 [SED-06-20230425]	B338518	5.89	5.00	05/03/23
23D3154-07 [SED-07-20230425]	B338518	5.93	5.00	05/03/23
23D3154-08 [SED-08-20230425]	B338518	5.92	5.00	05/03/23
23D3154-09 [SED-09-20230425]	B338518	5.63	5.00	05/03/23
23D3154-10 [SED-10-20230425]	B338518	5.71	5.00	05/03/23
23D3154-11 [SED-11-20230425]	B338518	5.66	5.00	05/03/23
23D3154-12 [SED-13-20230425]	B338518	5.72	5.00	05/03/23
23D3154-13 [DUPLICATE-2023-04-25]	B338518	5.78	5.00	05/03/23

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B338518 - SOP 465-PFAAS**
**Blank (B338518-BLK1)**

Prepared: 05/03/23 Analyzed: 05/10/23

Perfluorobutanoic acid (PFBA)	ND	0.45	µg/kg wet							
Perfluorobutanesulfonic acid (PFBS)	ND	0.45	µg/kg wet							
Perfluoropentanoic acid (PFPeA)	ND	0.45	µg/kg wet							
Perfluorohexanoic acid (PFHxA)	ND	0.45	µg/kg wet							
11Cl-PF3OUdS (F53B Major)	ND	0.45	µg/kg wet							
9Cl-PF3ONS (F53B Minor)	ND	0.45	µg/kg wet							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.45	µg/kg wet							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.45	µg/kg wet							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	0.45	µg/kg wet							
Perfluorodecanoic acid (PFDA)	ND	0.45	µg/kg wet							
Perfluorododecanoic acid (PFDoA)	ND	0.45	µg/kg wet							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	0.45	µg/kg wet							
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.45	µg/kg wet							
N-EtFOSAA (NEtFOSAA)	ND	0.45	µg/kg wet							
N-MeFOSAA (NMeFOSAA)	ND	0.45	µg/kg wet							
Perfluorotetradecanoic acid (PFTA)	ND	0.45	µg/kg wet							
Perfluorotridecanoic acid (PFTrDA)	ND	0.45	µg/kg wet							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	0.45	µg/kg wet							
Perfluorodecanesulfonic acid (PFDS)	ND	0.45	µg/kg wet							
Perfluorooctanesulfonamide (FOSA)	ND	0.45	µg/kg wet							
Perfluorononanesulfonic acid (PFNS)	ND	0.45	µg/kg wet							
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.45	µg/kg wet							
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.45	µg/kg wet							
Perfluorohexanesulfonic acid (PFHxS)	ND	0.45	µg/kg wet							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.45	µg/kg wet							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.45	µg/kg wet							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	0.45	µg/kg wet							
Perfluoropentanesulfonic acid (PFPeS)	ND	0.45	µg/kg wet							
Perfluoroundecanoic acid (PFUnA)	ND	0.45	µg/kg wet							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.45	µg/kg wet							
Perfluoroheptanoic acid (PFHpA)	ND	0.45	µg/kg wet							
Perfluorooctanoic acid (PFOA)	ND	0.45	µg/kg wet							
Perfluorooctanesulfonic acid (PFOS)	ND	0.45	µg/kg wet							
Perfluorononanoic acid (PFNA)	ND	0.45	µg/kg wet							

**LCS (B338518-BS1)**

Prepared: 05/03/23 Analyzed: 05/10/23

Perfluorobutanoic acid (PFBA)	2.17	0.43	µg/kg wet	2.17		99.9	71-135			
Perfluorobutanesulfonic acid (PFBS)	1.83	0.43	µg/kg wet	1.92		95.0	72-128			
Perfluoropentanoic acid (PFPeA)	2.01	0.43	µg/kg wet	2.17		92.5	69-132			
Perfluorohexanoic acid (PFHxA)	1.98	0.43	µg/kg wet	2.17		91.0	70-132			
11Cl-PF3OUdS (F53B Major)	2.18	0.43	µg/kg wet	2.05		107	41.8-128			
9Cl-PF3ONS (F53B Minor)	1.96	0.43	µg/kg wet	2.03		96.6	51.1-141			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.08	0.43	µg/kg wet	2.05		102	55.2-122			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	2.64	0.43	µg/kg wet	2.17		121	27.6-137			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	2.18	0.43	µg/kg wet	2.09		104	65-137			
Perfluorodecanoic acid (PFDA)	2.24	0.43	µg/kg wet	2.17		103	69-133			
Perfluorododecanoic acid (PFDoA)	2.04	0.43	µg/kg wet	2.17		94.0	69-135			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	1.66	0.43	µg/kg wet	1.94		85.7	56.7-133			

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B338518 - SOP 465-PFAAS**
**LCS (B338518-BS1)**

Prepared: 05/03/23 Analyzed: 05/10/23

Perfluoroheptanesulfonic acid (PFHpS)	1.83	0.43	µg/kg wet	2.08		88.1	70-132			
N-EtFOSAA (NEtFOSAA)	2.49	0.43	µg/kg wet	2.17		115	61-139			
N-MeFOSAA (NMeFOSAA)	2.16	0.43	µg/kg wet	2.17		99.4	63-144			
Perfluorotetradecanoic acid (PFTA)	2.13	0.43	µg/kg wet	2.17		97.9	69-133			
Perfluorotridecanoic acid (PFTTrDA)	2.06	0.43	µg/kg wet	2.17		94.6	66-139			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.94	0.43	µg/kg wet	2.04		95.3	62-145			
Perfluorodecanesulfonic acid (PFDS)	1.76	0.43	µg/kg wet	2.10		84.0	59-134			
Perfluorooctanesulfonamide (FOSA)	1.97	0.43	µg/kg wet	2.17		90.7	67-137			
Perfluorononanesulfonic acid (PFNS)	1.87	0.43	µg/kg wet	2.09		89.5	69-125			
Perfluoro-1-hexanesulfonamide (FHxSA)	1.99	0.43	µg/kg wet	2.17		91.5	51.4-142			
Perfluoro-1-butanefulfonamide (FBSA)	2.10	0.43	µg/kg wet	2.17		96.6	53.5-129			
Perfluorohexanesulfonic acid (PFHxS)	1.88	0.43	µg/kg wet	1.99		94.5	67-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	1.97	0.43	µg/kg wet	2.17		90.6	57.8-127			
Perfluoro-5-oxahexanoic acid (PFMBA)	1.92	0.43	µg/kg wet	2.17		88.3	56.5-132			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.70	0.43	µg/kg wet	2.07		82.4	64-140			
Perfluoropentanesulfonic acid (PFPeS)	1.96	0.43	µg/kg wet	2.04		95.9	73-123			
Perfluoroundecanoic acid (PFUnA)	1.99	0.43	µg/kg wet	2.17		91.7	64-136			
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	2.05	0.43	µg/kg wet	2.17		94.5	54.5-128			
Perfluoroheptanoic acid (PFHpA)	2.05	0.43	µg/kg wet	2.17		94.5	71-131			
Perfluorooctanoic acid (PFOA)	1.98	0.43	µg/kg wet	2.17		91.2	69-133			
Perfluorooctanesulfonic acid (PFOS)	1.95	0.43	µg/kg wet	2.01		97.0	68-136			
Perfluorononanoic acid (PFNA)	2.26	0.43	µg/kg wet	2.17		104	72-129			

**Matrix Spike (B338518-MS1)**

Source: 23D3154-01

Prepared: 05/03/23 Analyzed: 05/12/23

Perfluorobutanoic acid (PFBA)	5.41	0.92	µg/kg dry	4.63	ND	117	71-135			
Perfluorobutanesulfonic acid (PFBS)	4.59	0.92	µg/kg dry	4.10	ND	112	72-128			
Perfluoropentanoic acid (PFPeA)	5.36	0.92	µg/kg dry	4.63	ND	116	69-132			
Perfluorohexanoic acid (PFHxA)	4.92	0.92	µg/kg dry	4.63	ND	106	70-132			
11Cl-PF3OUdS (F53B Major)	4.69	0.92	µg/kg dry	4.37	ND	107	4.02-158			
9Cl-PF3ONS (F53B Minor)	4.81	0.92	µg/kg dry	4.32	ND	111	52.5-150			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.97	0.92	µg/kg dry	4.37	ND	90.9	50.7-124			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	5.47	0.92	µg/kg dry	4.63	ND	118	29.2-146			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	4.45	0.92	µg/kg dry	4.45	ND	99.9	65-137			
Perfluorodecanoic acid (PFDA)	5.12	0.92	µg/kg dry	4.63	ND	110	69-133			
Perfluorododecanoic acid (PFDoA)	5.02	0.92	µg/kg dry	4.63	ND	108	69-135			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	5.46	0.92	µg/kg dry	4.12	ND	132	60.7-135			
Perfluoroheptanesulfonic acid (PFHpS)	4.33	0.92	µg/kg dry	4.43	ND	97.7	70-132			
N-EtFOSAA (NEtFOSAA)	6.37	0.92	µg/kg dry	4.63	ND	137	61-139			
N-MeFOSAA (NMeFOSAA)	4.98	0.92	µg/kg dry	4.63	ND	108	63-144			
Perfluorotetradecanoic acid (PFTA)	4.65	0.92	µg/kg dry	4.63	ND	100	69-133			
Perfluorotridecanoic acid (PFTTrDA)	5.28	0.92	µg/kg dry	4.63	ND	114	66-139			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	4.59	0.92	µg/kg dry	4.34	ND	106	62-145			
Perfluorodecanesulfonic acid (PFDS)	4.45	0.92	µg/kg dry	4.47	ND	99.6	59-134			
Perfluorooctanesulfonamide (FOSA)	5.07	0.92	µg/kg dry	4.63	ND	109	67-137			
Perfluorononanesulfonic acid (PFNS)	4.75	0.92	µg/kg dry	4.45	ND	107	69-125			
Perfluoro-1-hexanesulfonamide (FHxSA)	5.21	0.92	µg/kg dry	4.63	ND	113	18.9-162			
Perfluoro-1-butanefulfonamide (FBSA)	5.29	0.92	µg/kg dry	4.63	ND	114	49.8-135			
Perfluorohexanesulfonic acid (PFHxS)	4.79	0.92	µg/kg dry	4.25	ND	113	67-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	5.02	0.92	µg/kg dry	4.63	ND	108	62-155			
Perfluoro-5-oxahexanoic acid (PFMBA)	5.10	0.92	µg/kg dry	4.63	ND	110	52.1-148			

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## QUALITY CONTROL

## Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338518 - SOP 465-PFAAS</b>										
<b>Matrix Spike (B338518-MS1)</b>										
		<b>Source: 23D3154-01</b>			Prepared: 05/03/23 Analyzed: 05/12/23					
6:2 Fluorotelomersulfonic acid (6:2FTS A)	3.44	0.92	µg/kg dry	4.40	ND	78.2	64-140			
Perfluoropentanesulfonic acid (PFPeS)	4.97	0.92	µg/kg dry	4.36	ND	114	73-123			
Perfluoroundecanoic acid (PFUnA)	4.71	0.92	µg/kg dry	4.63	ND	102	64-136			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	5.94	0.92	µg/kg dry	4.63	ND	128	54.6-133			
Perfluoroheptanoic acid (PFHpA)	5.11	0.92	µg/kg dry	4.63	ND	110	71-131			
Perfluorooctanoic acid (PFOA)	5.30	0.92	µg/kg dry	4.63	ND	114	69-133			
Perfluorooctanesulfonic acid (PFOS)	4.62	0.92	µg/kg dry	4.28	ND	108	68-136			
Perfluorononanoic acid (PFNA)	5.62	0.92	µg/kg dry	4.63	ND	121	72-129			
<b>Matrix Spike Dup (B338518-MSD1)</b>										
		<b>Source: 23D3154-01</b>			Prepared: 05/03/23 Analyzed: 05/12/23					
Perfluorobutanoic acid (PFBA)	6.13	0.90	µg/kg dry	4.57	ND	134	71-135	12.3	30	
Perfluorobutanesulfonic acid (PFBS)	5.00	0.90	µg/kg dry	4.04	ND	124	72-128	8.62	30	
Perfluoropentanoic acid (PFPeA)	6.02	0.90	µg/kg dry	4.57	ND	132	69-132	11.7	30	
Perfluorohexanoic acid (PFHxA)	5.70	0.90	µg/kg dry	4.57	ND	125	70-132	14.6	30	
11Cl-PF3OUdS (F53B Major)	5.36	0.90	µg/kg dry	4.30	ND	124	4.02-158	13.3	30	
9Cl-PF3ONS (F53B Minor)	5.34	0.90	µg/kg dry	4.26	ND	125	52.5-150	10.4	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	4.67	0.90	µg/kg dry	4.30	ND	109	50.7-124	16.3	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	5.72	0.90	µg/kg dry	4.57	ND	125	29.2-146	4.37	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	5.30	0.90	µg/kg dry	4.39	ND	121	65-137	17.5	30	
<b>Perfluorodecanoic acid (PFDA)</b>	6.17	0.90	µg/kg dry	4.57	ND	<b>135</b>	* 69-133	18.6	30	MS-22
Perfluorododecanoic acid (PFDoA)	6.08	0.90	µg/kg dry	4.57	ND	133	69-135	19.1	30	
<b>Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)</b>	5.86	0.90	µg/kg dry	4.07	ND	<b>144</b>	* 60.7-135	6.93	30	MS-22
Perfluoroheptanesulfonic acid (PFHpS)	4.64	0.90	µg/kg dry	4.37	ND	106	70-132	7.03	30	
<b>N-EtFOSAA (NEtFOSAA)</b>	7.18	0.90	µg/kg dry	4.57	ND	<b>157</b>	* 61-139	12.0	30	MS-22
N-MeFOSAA (NMeFOSAA)	5.15	0.90	µg/kg dry	4.57	ND	113	63-144	3.28	30	
Perfluorotetradecanoic acid (PFTA)	5.67	0.90	µg/kg dry	4.57	ND	124	69-133	19.9	30	
Perfluorotridecanoic acid (PFTrDA)	5.84	0.90	µg/kg dry	4.57	ND	128	66-139	10.0	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	5.20	0.90	µg/kg dry	4.28	ND	122	62-145	12.4	30	
Perfluorodecanesulfonic acid (PFDS)	4.94	0.90	µg/kg dry	4.40	ND	112	59-134	10.5	30	
Perfluorooctanesulfonamide (FOSA)	5.68	0.90	µg/kg dry	4.57	ND	124	67-137	11.4	30	
<b>Perfluorononanesulfonic acid (PFNS)</b>	5.54	0.90	µg/kg dry	4.39	ND	<b>126</b>	* 69-125	15.3	30	MS-22
Perfluoro-1-hexanesulfonamide (FHxSA)	6.23	0.90	µg/kg dry	4.57	ND	136	18.9-162	17.7	30	
Perfluoro-1-butanesulfonamide (FBSA)	5.89	0.90	µg/kg dry	4.57	ND	129	49.8-135	10.8	30	
Perfluorohexanesulfonic acid (PFHxS)	5.14	0.90	µg/kg dry	4.18	ND	123	67-130	7.01	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	5.76	0.90	µg/kg dry	4.57	ND	126	62-155	13.7	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	5.76	0.90	µg/kg dry	4.57	ND	126	52.1-148	12.1	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	5.00	0.90	µg/kg dry	4.34	ND	115	64-140	<b>36.8</b>	* 30	R-06
<b>Perfluoropentanesulfonic acid (PFPeS)</b>	5.30	0.90	µg/kg dry	4.29	ND	<b>124</b>	* 73-123	6.53	30	MS-22
Perfluoroundecanoic acid (PFUnA)	5.17	0.90	µg/kg dry	4.57	ND	113	64-136	9.37	30	
<b>Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)</b>	6.68	0.90	µg/kg dry	4.57	ND	<b>146</b>	* 54.6-133	11.7	30	MS-22
<b>Perfluoroheptanoic acid (PFHpA)</b>	6.07	0.90	µg/kg dry	4.57	ND	<b>133</b>	* 71-131	17.1	30	MS-22
<b>Perfluorooctanoic acid (PFOA)</b>	6.53	0.90	µg/kg dry	4.57	ND	<b>143</b>	* 69-133	20.9	30	MS-22
Perfluorooctanesulfonic acid (PFOS)	5.68	0.90	µg/kg dry	4.22	ND	135	68-136	20.7	30	
Perfluorononanoic acid (PFNA)	5.87	0.90	µg/kg dry	4.57	ND	128	72-129	4.32	30	

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B339724 - SOP 465-PFAAS**
**Blank (B339724-BLK1)**

Prepared: 05/15/23 Analyzed: 05/16/23

Perfluorobutanoic acid (PFBA)	ND	0.43	µg/kg wet							
Perfluorobutanesulfonic acid (PFBS)	ND	0.43	µg/kg wet							
Perfluoropentanoic acid (PFPeA)	ND	0.43	µg/kg wet							
Perfluorohexanoic acid (PFHxA)	ND	0.43	µg/kg wet							
11Cl-PF3OUdS (F53B Major)	ND	0.43	µg/kg wet							
9Cl-PF3ONS (F53B Minor)	ND	0.43	µg/kg wet							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.43	µg/kg wet							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.43	µg/kg wet							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	0.43	µg/kg wet							
Perfluorodecanoic acid (PFDA)	ND	0.43	µg/kg wet							
Perfluorododecanoic acid (PFDoA)	ND	0.43	µg/kg wet							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	0.43	µg/kg wet							
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.43	µg/kg wet							
N-EtFOSAA (NEtFOSAA)	ND	0.43	µg/kg wet							
N-MeFOSAA (NMeFOSAA)	ND	0.43	µg/kg wet							
Perfluorotetradecanoic acid (PFTA)	ND	0.43	µg/kg wet							
Perfluorotridecanoic acid (PFTrDA)	ND	0.43	µg/kg wet							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	0.43	µg/kg wet							
Perfluorodecanesulfonic acid (PFDS)	ND	0.43	µg/kg wet							
Perfluorooctanesulfonamide (FOSA)	ND	0.43	µg/kg wet							
Perfluorononanesulfonic acid (PFNS)	ND	0.43	µg/kg wet							
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.43	µg/kg wet							
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.43	µg/kg wet							
Perfluorohexanesulfonic acid (PFHxS)	ND	0.43	µg/kg wet							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.43	µg/kg wet							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.43	µg/kg wet							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	0.43	µg/kg wet							
Perfluoropentanesulfonic acid (PFPeS)	ND	0.43	µg/kg wet							
Perfluoroundecanoic acid (PFUnA)	ND	0.43	µg/kg wet							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.43	µg/kg wet							
Perfluoroheptanoic acid (PFHpA)	ND	0.43	µg/kg wet							
Perfluorooctanoic acid (PFOA)	ND	0.43	µg/kg wet							
Perfluorooctanesulfonic acid (PFOS)	ND	0.43	µg/kg wet							
Perfluorononanoic acid (PFNA)	ND	0.43	µg/kg wet							

**LCS (B339724-BS1)**

Prepared: 05/15/23 Analyzed: 05/16/23

Perfluorobutanoic acid (PFBA)	1.96	0.42	µg/kg wet	2.13		92.3	71-135			
Perfluorobutanesulfonic acid (PFBS)	1.64	0.42	µg/kg wet	1.88		87.2	72-128			
Perfluoropentanoic acid (PFPeA)	1.94	0.42	µg/kg wet	2.13		91.3	69-132			
Perfluorohexanoic acid (PFHxA)	1.96	0.42	µg/kg wet	2.13		92.4	70-132			
11Cl-PF3OUdS (F53B Major)	1.68	0.42	µg/kg wet	2.00		83.9	41.8-128			
9Cl-PF3ONS (F53B Minor)	1.56	0.42	µg/kg wet	1.98		78.6	51.1-141			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.66	0.42	µg/kg wet	2.00		82.8	55.2-122			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.51	0.42	µg/kg wet	2.13		71.1	27.6-137			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.83	0.42	µg/kg wet	2.04		89.5	65-137			
Perfluorodecanoic acid (PFDA)	2.02	0.42	µg/kg wet	2.13		95.1	69-133			
Perfluorododecanoic acid (PFDoA)	1.77	0.42	µg/kg wet	2.13		83.5	69-135			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	1.98	0.42	µg/kg wet	1.89		105	56.7-133			

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B339724 - SOP 465-PFAAS</b>									
<b>LCS (B339724-BS1)</b>									
					Prepared: 05/15/23 Analyzed: 05/16/23				
Perfluoroheptanesulfonic acid (PFHpS)	1.69	0.42	µg/kg wet	2.03		83.4	70-132		
N-EtFOSAA (NEtFOSAA)	2.01	0.42	µg/kg wet	2.13		94.7	61-139		
N-MeFOSAA (NMeFOSAA)	1.84	0.42	µg/kg wet	2.13		86.5	63-144		
Perfluorotetradecanoic acid (PFTA)	1.76	0.42	µg/kg wet	2.13		82.7	69-133		
Perfluorotridecanoic acid (PFTrDA)	1.97	0.42	µg/kg wet	2.13		92.7	66-139		
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.88	0.42	µg/kg wet	1.99		94.3	62-145		
Perfluorodecanesulfonic acid (PFDS)	2.04	0.42	µg/kg wet	2.05		99.5	59-134		
Perfluorooctanesulfonamide (FOSA)	1.83	0.42	µg/kg wet	2.13		86.2	67-137		
Perfluorononanesulfonic acid (PFNS)	1.59	0.42	µg/kg wet	2.04		77.9	69-125		
Perfluoro-1-hexanesulfonamide (FHxSA)	2.24	0.42	µg/kg wet	2.13		106	51.4-142		
Perfluoro-1-butanefulfonamide (FBSA)	2.07	0.42	µg/kg wet	2.13		97.4	53.5-129		
Perfluorohexanesulfonic acid (PFHxS)	1.77	0.42	µg/kg wet	1.95		91.1	67-130		
Perfluoro-4-oxapentanoic acid (PFMPA)	2.00	0.42	µg/kg wet	2.13		93.9	57.8-127		
Perfluoro-5-oxahexanoic acid (PFMBA)	1.84	0.42	µg/kg wet	2.13		86.5	56.5-132		
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.44	0.42	µg/kg wet	2.02		71.5	64-140		
Perfluoropentanesulfonic acid (PFPeS)	1.68	0.42	µg/kg wet	2.00		84.1	73-123		
Perfluoroundecanoic acid (PFUnA)	1.95	0.42	µg/kg wet	2.13		91.5	64-136		
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.91	0.42	µg/kg wet	2.13		90.0	54.5-128		
Perfluoroheptanoic acid (PFHpA)	2.01	0.42	µg/kg wet	2.13		94.5	71-131		
Perfluorooctanoic acid (PFOA)	1.94	0.42	µg/kg wet	2.13		91.1	69-133		
Perfluorooctanesulfonic acid (PFOS)	1.68	0.42	µg/kg wet	1.96		85.6	68-136		
Perfluorononanoic acid (PFNA)	1.91	0.42	µg/kg wet	2.13		89.7	72-129		

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
PF-18	Duplicate analysis confirmed Extracted Internal Standard failure due to matrix effects.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
S-29	Extracted Internal Standard is outside of control limits.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-01A-20230425 (23D3154-01 )</b>			Lab File ID: 23D3154-01.d			Analyzed: 05/12/23 07:49			
M8FOSA	176884.1	4.05255	232,606.00	4.052516	76	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	47748.51	2.537883	78,799.00	2.4886	61	50 - 150	0.0493	+/-0.50	
M2PFTA	488279.1	4.305367	639,112.00	4.27305	76	50 - 150	0.0323	+/-0.50	
M2-8:2FTS	45632.58	3.802817	65,957.00	3.778883	69	50 - 150	0.0239	+/-0.50	
MPFBA	399614.6	1.100017	525,734.00	1.075083	76	50 - 150	0.0249	+/-0.50	
M3HFPO-DA	91168.3	2.872033	135,411.00	2.822933	67	50 - 150	0.0491	+/-0.50	
M6PFDA	357901.1	3.803333	488,184.00	3.779417	73	50 - 150	0.0239	+/-0.50	
M3PFBS	101748.2	1.9364	144,937.00	1.894967	70	50 - 150	0.0414	+/-0.50	
M7PFUnA	355903.9	3.93805	445,936.00	3.914067	80	50 - 150	0.0240	+/-0.50	
M2-6:2FTS	26466.85	3.461417	40,257.00	3.4373	66	50 - 150	0.0241	+/-0.50	
M5PFPeA	318785.6	1.757717	449,031.00	1.714833	71	50 - 150	0.0429	+/-0.50	
M5PFHxA	520932.9	2.621617	800,305.00	2.572333	65	50 - 150	0.0493	+/-0.50	
M3PFHxS	69638.17	3.242583	107,652.00	3.21025	65	50 - 150	0.0323	+/-0.50	
M4PFHpA	532015.5	3.2031	856,297.00	3.178867	62	50 - 150	0.0242	+/-0.50	
M8PFOA	478677.6	3.469933	837,098.00	3.445833	57	50 - 150	0.0241	+/-0.50	
M8PFOS	58554.93	3.652167	80,920.00	3.6282	72	50 - 150	0.0240	+/-0.50	
M9PFNA	356618.1	3.653217	541,836.00	3.629233	66	50 - 150	0.0240	+/-0.50	
MPFDoA	339208	4.072683	405,476.00	4.040683	84	50 - 150	0.0320	+/-0.50	
D5-NEtFOSAA	74769.98	3.945533	115,737.00	3.921533	65	50 - 150	0.0240	+/-0.50	
D3-NMeFOSAA	101390.2	3.873783	132,342.00	3.8497	77	50 - 150	0.0241	+/-0.50	



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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-02A-20230425 (23D3154-02 )</b>									
			Lab File ID: 23D3154-02.d			Analyzed: 05/12/23 08:12			
M8FOSA	176702.7	4.052516	232,606.00	4.052533	76	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	45522.02	2.537883	78,799.00	2.529667	58	50 - 150	0.0082	+/-0.50	
M2PFTA	534426.8	4.30535	639,112.00	4.30535	84	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	42798.95	3.8028	65,957.00	3.8028	65	50 - 150	0.0000	+/-0.50	
MPFBA	346769	1.100017	525,734.00	1.0917	66	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	103520.8	2.872033	135,411.00	2.872033	76	50 - 150	0.0000	+/-0.50	
M6PFDA	419950.6	3.803317	488,184.00	3.803317	86	50 - 150	0.0000	+/-0.50	
M3PFBS	94915.2	1.9364	144,937.00	1.928117	65	50 - 150	0.0083	+/-0.50	
M7PFUnA	404138.6	3.93805	445,936.00	3.93805	91	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	24318.1	3.461417	40,257.00	3.461417	60	50 - 150	0.0000	+/-0.50	
M5PFPeA	292742.3	1.749417	449,031.00	1.749417	65	50 - 150	0.0000	+/-0.50	
M5PFHxA	526754.4	2.621617	800,305.00	2.621617	66	50 - 150	0.0000	+/-0.50	
M3PFHxS	75814.4	3.242583	107,652.00	3.2345	70	50 - 150	0.0081	+/-0.50	
M4PFHpA	550832.8	3.203083	856,297.00	3.203083	64	50 - 150	0.0000	+/-0.50	
M8PFOA	519019.6	3.469933	837,098.00	3.469917	62	50 - 150	0.0000	+/-0.50	
M8PFOS	59259.11	3.652167	80,920.00	3.65215	73	50 - 150	0.0000	+/-0.50	
M9PFNA	406767.3	3.6532	541,836.00	3.6532	75	50 - 150	0.0000	+/-0.50	
MPFDoA	347651.7	4.072667	405,476.00	4.072667	86	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	86253.52	3.945517	115,737.00	3.945517	75	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	97486.05	3.873767	132,342.00	3.873783	74	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-03A-20230425 (23D3154-03 )</b>			Lab File ID: 23D3154-03.d			Analyzed: 05/12/23 08:19			
M8FOSA	264977.9	4.052533	232,606.00	4.052533	114	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	58070.26	2.537883	78,799.00	2.529667	74	50 - 150	0.0082	+/-0.50	
M2PFTA	415091.6	4.305367	639,112.00	4.30535	65	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	53406.07	3.802817	65,957.00	3.8028	81	50 - 150	0.0000	+/-0.50	
MPFBA	569651.8	1.100017	525,734.00	1.0917	108	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	119171.5	2.87205	135,411.00	2.872033	88	50 - 150	0.0000	+/-0.50	
M6PFDA	453511.9	3.803333	488,184.00	3.803317	93	50 - 150	0.0000	+/-0.50	
M3PFBS	125227.9	1.9364	144,937.00	1.928117	86	50 - 150	0.0083	+/-0.50	
M7PFUnA	440019.7	3.93805	445,936.00	3.93805	99	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	32780.08	3.461433	40,257.00	3.461417	81	50 - 150	0.0000	+/-0.50	
M5PFPeA	422713.5	1.757717	449,031.00	1.749417	94	50 - 150	0.0083	+/-0.50	
M5PFHxA	656651.2	2.621617	800,305.00	2.621617	82	50 - 150	0.0000	+/-0.50	
M3PFHxS	92130.95	3.2426	107,652.00	3.2345	86	50 - 150	0.0081	+/-0.50	
M4PFHpA	668654.9	3.211467	856,297.00	3.203083	78	50 - 150	0.0084	+/-0.50	
M8PFOA	622080.6	3.469933	837,098.00	3.469917	74	50 - 150	0.0000	+/-0.50	
M8PFOS	73467.39	3.652167	80,920.00	3.65215	91	50 - 150	0.0000	+/-0.50	
M9PFNA	423091.8	3.653217	541,836.00	3.6532	78	50 - 150	0.0000	+/-0.50	
MPFDoA	374475.6	4.072683	405,476.00	4.072667	92	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	79439.59	3.945533	115,737.00	3.945517	69	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	122606.7	3.873783	132,342.00	3.873783	93	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-04A-20230425 (23D3154-04 )</b>			Lab File ID: 23D3154-04.d			Analyzed: 05/12/23 08:26			
M8FOSA	195409.1	4.052533	232,606.00	4.052533	84	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	57935.1	2.537883	78,799.00	2.529667	74	50 - 150	0.0082	+/-0.50	
M2PFTA	373229.7	4.305367	639,112.00	4.30535	58	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	42613.3	3.802817	65,957.00	3.8028	65	50 - 150	0.0000	+/-0.50	
MPFBA	537387.4	1.100017	525,734.00	1.0917	102	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	132456.8	2.872033	135,411.00	2.872033	98	50 - 150	0.0000	+/-0.50	
M6PFDA	387843.9	3.803333	488,184.00	3.803317	79	50 - 150	0.0000	+/-0.50	
M3PFBS	127690.9	1.9364	144,937.00	1.928117	88	50 - 150	0.0083	+/-0.50	
M7PFUnA	357839.2	3.938067	445,936.00	3.93805	80	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	34025.11	3.461417	40,257.00	3.461417	85	50 - 150	0.0000	+/-0.50	
M5PFPeA	418025.3	1.757717	449,031.00	1.749417	93	50 - 150	0.0083	+/-0.50	
M5PFHxA	643443.6	2.621617	800,305.00	2.621617	80	50 - 150	0.0000	+/-0.50	
M3PFHxS	83997.74	3.242583	107,652.00	3.2345	78	50 - 150	0.0081	+/-0.50	
M4PFHpA	650112.9	3.21145	856,297.00	3.203083	76	50 - 150	0.0084	+/-0.50	
M8PFOA	564926.3	3.477917	837,098.00	3.469917	67	50 - 150	0.0080	+/-0.50	
M8PFOS	67817.92	3.652167	80,920.00	3.65215	84	50 - 150	0.0000	+/-0.50	
M9PFNA	360050.8	3.6532	541,836.00	3.6532	66	50 - 150	0.0000	+/-0.50	
MPFDoA	300766.9	4.072683	405,476.00	4.072667	74	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	74252.09	3.945533	115,737.00	3.945517	64	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	106602.4	3.8738	132,342.00	3.873783	81	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-05-20230425 (23D3154-05 )</b>									
			Lab File ID: 23D3154-05.d			Analyzed: 05/12/23 08:33			
M8FOSA	199454.3	4.052516	232,606.00	4.052533	86	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	55694.55	2.537883	78,799.00	2.529667	71	50 - 150	0.0082	+/-0.50	
M2PF <sub>TA</sub>	473075.3	4.305333	639,112.00	4.30535	74	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	51344.77	3.8028	65,957.00	3.8028	78	50 - 150	0.0000	+/-0.50	
MPF <sub>BA</sub>	526267.8	1.100017	525,734.00	1.0917	100	50 - 150	0.0083	+/-0.50	
M3HF <sub>PO-DA</sub>	121010.1	2.872033	135,411.00	2.872033	89	50 - 150	0.0000	+/-0.50	
M6PF <sub>DA</sub>	419046.1	3.803317	488,184.00	3.803317	86	50 - 150	0.0000	+/-0.50	
M3PF <sub>B</sub> S	130818.8	1.9364	144,937.00	1.928117	90	50 - 150	0.0083	+/-0.50	
M7PF <sub>U</sub> nA	408208.1	3.938033	445,936.00	3.93805	92	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	30518.58	3.4614	40,257.00	3.461417	76	50 - 150	0.0000	+/-0.50	
M5PF <sub>Pe</sub> A	411440	1.757717	449,031.00	1.749417	92	50 - 150	0.0083	+/-0.50	
M5PF <sub>Hx</sub> A	636352.7	2.621617	800,305.00	2.621617	80	50 - 150	0.0000	+/-0.50	
M3PF <sub>Hx</sub> S	84289.58	3.242583	107,652.00	3.2345	78	50 - 150	0.0081	+/-0.50	
M4PF <sub>Hp</sub> A	649536.1	3.203083	856,297.00	3.203083	76	50 - 150	0.0000	+/-0.50	
M8PF <sub>OA</sub>	596252.6	3.469917	837,098.00	3.469917	71	50 - 150	0.0000	+/-0.50	
M8PF <sub>OS</sub>	72337.71	3.65215	80,920.00	3.65215	89	50 - 150	0.0000	+/-0.50	
M9PF <sub>NA</sub>	426832.8	3.653183	541,836.00	3.6532	79	50 - 150	0.0000	+/-0.50	
MPF <sub>Do</sub> A	357985.8	4.07265	405,476.00	4.072667	88	50 - 150	0.0000	+/-0.50	
D5-NEtF <sub>OSAA</sub>	81767.29	3.9455	115,737.00	3.945517	71	50 - 150	0.0000	+/-0.50	
D3-NMeF <sub>OSAA</sub>	114699.9	3.873767	132,342.00	3.873783	87	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-06-20230425 (23D3154-06 )</b>									
			Lab File ID: 23D3154-06.d			Analyzed: 05/12/23 08:41			
M8FOSA	180046.1	4.052533	232,606.00	4.052533	77	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	52309.38	2.537883	78,799.00	2.529667	66	50 - 150	0.0082	+/-0.50	
M2PF <sub>T</sub> A	422754.7	4.30535	639,112.00	4.30535	66	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	46118.51	3.8028	65,957.00	3.8028	70	50 - 150	0.0000	+/-0.50	
MPFBA	435928.8	1.100017	525,734.00	1.0917	83	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	110773.4	2.872033	135,411.00	2.872033	82	50 - 150	0.0000	+/-0.50	
M6PFDA	399330.8	3.803317	488,184.00	3.803317	82	50 - 150	0.0000	+/-0.50	
M3PFBS	107534	1.9364	144,937.00	1.928117	74	50 - 150	0.0083	+/-0.50	
M7PFUnA	346959.3	3.93805	445,936.00	3.93805	78	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	26979.1	3.461417	40,257.00	3.461417	67	50 - 150	0.0000	+/-0.50	
M5PFPeA	348957.5	1.757717	449,031.00	1.749417	78	50 - 150	0.0083	+/-0.50	
M5PFHxA	554269.6	2.621617	800,305.00	2.621617	69	50 - 150	0.0000	+/-0.50	
M3PFHxS	74384.02	3.242583	107,652.00	3.2345	69	50 - 150	0.0081	+/-0.50	
M4PFHpA	561443.4	3.203083	856,297.00	3.203083	66	50 - 150	0.0000	+/-0.50	
M8PFOA	500423.3	3.469917	837,098.00	3.469917	60	50 - 150	0.0000	+/-0.50	
M8PFOS	62985.82	3.652167	80,920.00	3.65215	78	50 - 150	0.0000	+/-0.50	
M9PFNA	336984.3	3.6532	541,836.00	3.6532	62	50 - 150	0.0000	+/-0.50	
MPFDoA	318693	4.072667	405,476.00	4.072667	79	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	69105.15	3.945517	115,737.00	3.945517	60	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	102275.3	3.873783	132,342.00	3.873783	77	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-07-20230425 (23D3154-07 )</b>									
			Lab File ID: 23D3154-07.d			Analyzed: 05/12/23 08:48			
M8FOSA	210217.4	4.052516	232,606.00	4.052533	90	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	70638.84	2.537883	78,799.00	2.529667	90	50 - 150	0.0082	+/-0.50	
M2PF <sub>TA</sub>	655530.9	4.30535	639,112.00	4.30535	103	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	57487.57	3.8028	65,957.00	3.8028	87	50 - 150	0.0000	+/-0.50	
MPF <sub>BA</sub>	647716	1.100017	525,734.00	1.0917	123	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	137683.4	2.872033	135,411.00	2.872033	102	50 - 150	0.0000	+/-0.50	
M6PF <sub>DA</sub>	455739.9	3.803317	488,184.00	3.803317	93	50 - 150	0.0000	+/-0.50	
M3PF <sub>BS</sub>	162747	1.9364	144,937.00	1.928117	112	50 - 150	0.0083	+/-0.50	
M7PF <sub>UnA</sub>	444495	3.938033	445,936.00	3.93805	100	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	42221.57	3.4614	40,257.00	3.461417	105	50 - 150	0.0000	+/-0.50	
M5PF <sub>PeA</sub>	515402.9	1.757717	449,031.00	1.749417	115	50 - 150	0.0083	+/-0.50	
M5PF <sub>HxA</sub>	826664.6	2.621617	800,305.00	2.621617	103	50 - 150	0.0000	+/-0.50	
M3PF <sub>HxS</sub>	114235.9	3.242583	107,652.00	3.2345	106	50 - 150	0.0081	+/-0.50	
M4PF <sub>HpA</sub>	832434	3.203083	856,297.00	3.203083	97	50 - 150	0.0000	+/-0.50	
M8PF <sub>OA</sub>	699787.6	3.469917	837,098.00	3.469917	84	50 - 150	0.0000	+/-0.50	
M8PF <sub>OS</sub>	86571.88	3.65215	80,920.00	3.65215	107	50 - 150	0.0000	+/-0.50	
M9PF <sub>NA</sub>	478257.3	3.653183	541,836.00	3.6532	88	50 - 150	0.0000	+/-0.50	
MPF <sub>DoA</sub>	395732.4	4.07265	405,476.00	4.072667	98	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	93632.41	3.9455	115,737.00	3.945517	81	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	116701	3.873767	132,342.00	3.873783	88	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-08-20230425 (23D3154-08 )</b>			Lab File ID: 23D3154-08.d			Analyzed: 05/12/23 08:55			
M8FOSA	201082.5	4.052516	232,606.00	4.052533	86	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	55125.2	2.537883	78,799.00	2.529667	70	50 - 150	0.0082	+/-0.50	
M2PF <sub>T</sub> A	242774	4.30535	639,112.00	4.30535	38	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	46457.65	3.8028	65,957.00	3.8028	70	50 - 150	0.0000	+/-0.50	
MPFBA	491899.6	1.100017	525,734.00	1.0917	94	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	111453.8	2.872033	135,411.00	2.872033	82	50 - 150	0.0000	+/-0.50	
M6PFDA	371546	3.803317	488,184.00	3.803317	76	50 - 150	0.0000	+/-0.50	
M3PFBS	111202.1	1.9364	144,937.00	1.928117	77	50 - 150	0.0083	+/-0.50	
M7PFU <sub>n</sub> A	364923.6	3.93805	445,936.00	3.93805	82	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	28590.17	3.461417	40,257.00	3.461417	71	50 - 150	0.0000	+/-0.50	
M5PFPeA	365026.7	1.757717	449,031.00	1.749417	81	50 - 150	0.0083	+/-0.50	
M5PFH <sub>x</sub> A	576685.5	2.621617	800,305.00	2.621617	72	50 - 150	0.0000	+/-0.50	
M3PFH <sub>x</sub> S	77461.11	3.242583	107,652.00	3.2345	72	50 - 150	0.0081	+/-0.50	
M4PFH <sub>p</sub> A	573534	3.2031	856,297.00	3.203083	67	50 - 150	0.0000	+/-0.50	
M8PFOA	479347.7	3.469933	837,098.00	3.469917	57	50 - 150	0.0000	+/-0.50	
M8PFOS	56776.56	3.652167	80,920.00	3.65215	70	50 - 150	0.0000	+/-0.50	
M9PFNA	332956.6	3.6532	541,836.00	3.6532	61	50 - 150	0.0000	+/-0.50	
MPFDoA	267317	4.072667	405,476.00	4.072667	66	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	48676.45	3.945517	115,737.00	3.945517	42	50 - 150	0.0000	+/-0.50	*
D3-NMeFOSAA	76979.19	3.873767	132,342.00	3.873783	58	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-09-20230425 (23D3154-09 )</b>									
			Lab File ID: 23D3154-09.d			Analyzed: 05/12/23 09:02			
M8FOSA	173898.8	4.052516	232,606.00	4.052533	75	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	44886.68	2.537883	78,799.00	2.529667	57	50 - 150	0.0082	+/-0.50	
M2PF <sub>TA</sub>	95646.2	4.30535	639,112.00	4.30535	15	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	39550.93	3.8028	65,957.00	3.8028	60	50 - 150	0.0000	+/-0.50	
MPF <sub>BA</sub>	420863.6	1.100017	525,734.00	1.0917	80	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	101786.9	2.872033	135,411.00	2.872033	75	50 - 150	0.0000	+/-0.50	
M6PF <sub>DA</sub>	337596.3	3.803317	488,184.00	3.803317	69	50 - 150	0.0000	+/-0.50	
M3PF <sub>BS</sub>	106453.7	1.9364	144,937.00	1.928117	73	50 - 150	0.0083	+/-0.50	
M7PF <sub>UnA</sub>	273477.4	3.938033	445,936.00	3.93805	61	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	25646.56	3.461417	40,257.00	3.461417	64	50 - 150	0.0000	+/-0.50	
M5PF <sub>PeA</sub>	336842.6	1.757717	449,031.00	1.749417	75	50 - 150	0.0083	+/-0.50	
M5PF <sub>HxA</sub>	530365.3	2.629833	800,305.00	2.621617	66	50 - 150	0.0082	+/-0.50	
M3PF <sub>HxS</sub>	71006.82	3.242583	107,652.00	3.2345	66	50 - 150	0.0081	+/-0.50	
M4PF <sub>HpA</sub>	533150.5	3.21145	856,297.00	3.203083	62	50 - 150	0.0084	+/-0.50	
M8PFOA	462030.3	3.4779	837,098.00	3.469917	55	50 - 150	0.0080	+/-0.50	
M8PFOS	55688.65	3.65215	80,920.00	3.65215	69	50 - 150	0.0000	+/-0.50	
M9PF <sub>NA</sub>	323133.1	3.661183	541,836.00	3.6532	60	50 - 150	0.0080	+/-0.50	
MPF <sub>DoA</sub>	200720.4	4.072667	405,476.00	4.072667	50	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	37000.66	3.945517	115,737.00	3.945517	32	50 - 150	0.0000	+/-0.50	*
D3-NMeFOSAA	60525.8	3.873767	132,342.00	3.873783	46	50 - 150	0.0000	+/-0.50	*



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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-10-20230425 (23D3154-10 )</b>									
			Lab File ID: 23D3154-10.d			Analyzed: 05/12/23 09:10			
M8FOSA	215769.7	4.052533	232,606.00	4.052533	93	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	62981.1	2.537883	78,799.00	2.529667	80	50 - 150	0.0082	+/-0.50	
M2PF <sub>TA</sub>	161322	4.305367	639,112.00	4.30535	25	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	51902.56	3.8028	65,957.00	3.8028	79	50 - 150	0.0000	+/-0.50	
MPF <sub>BA</sub>	538739.5	1.100017	525,734.00	1.0917	102	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	130249.4	2.872033	135,411.00	2.872033	96	50 - 150	0.0000	+/-0.50	
M6PF <sub>DA</sub>	437606.5	3.803333	488,184.00	3.803317	90	50 - 150	0.0000	+/-0.50	
M3PF <sub>BS</sub>	137334.6	1.9364	144,937.00	1.928117	95	50 - 150	0.0083	+/-0.50	
M7PF <sub>UnA</sub>	365633.7	3.93805	445,936.00	3.93805	82	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	33722.85	3.461417	40,257.00	3.461417	84	50 - 150	0.0000	+/-0.50	
M5PF <sub>PeA</sub>	429885.9	1.757717	449,031.00	1.749417	96	50 - 150	0.0083	+/-0.50	
M5PF <sub>HxA</sub>	670984.7	2.621617	800,305.00	2.621617	84	50 - 150	0.0000	+/-0.50	
M3PF <sub>HxS</sub>	88963.9	3.242583	107,652.00	3.2345	83	50 - 150	0.0081	+/-0.50	
M4PF <sub>HpA</sub>	679320.9	3.2031	856,297.00	3.203083	79	50 - 150	0.0000	+/-0.50	
M8PF <sub>OA</sub>	590593.8	3.469933	837,098.00	3.469917	71	50 - 150	0.0000	+/-0.50	
M8PF <sub>OS</sub>	74155.76	3.652167	80,920.00	3.65215	92	50 - 150	0.0000	+/-0.50	
M9PF <sub>NA</sub>	413602.7	3.6532	541,836.00	3.6532	76	50 - 150	0.0000	+/-0.50	
MPF <sub>DoA</sub>	307391.4	4.072683	405,476.00	4.072667	76	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	51314.63	3.945517	115,737.00	3.945517	44	50 - 150	0.0000	+/-0.50	*
D3-NMeFOSAA	82418	3.873783	132,342.00	3.873783	62	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-11-20230425 (23D3154-11 )</b>									
			Lab File ID: 23D3154-11.d			Analyzed: 05/12/23 09:17			
M8FOSA	190780.8	4.052533	232,606.00	4.052533	82	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	56893.11	2.537883	78,799.00	2.529667	72	50 - 150	0.0082	+/-0.50	
M2PFTA	449370.6	4.305367	639,112.00	4.30535	70	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	55807.01	3.802817	65,957.00	3.8028	85	50 - 150	0.0000	+/-0.50	
MPFBA	514467.8	1.100017	525,734.00	1.0917	98	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	120842.4	2.872033	135,411.00	2.872033	89	50 - 150	0.0000	+/-0.50	
M6PFDA	434438.2	3.803333	488,184.00	3.803317	89	50 - 150	0.0000	+/-0.50	
M3PFBS	122851.4	1.9364	144,937.00	1.928117	85	50 - 150	0.0083	+/-0.50	
M7PFUnA	394955	3.93805	445,936.00	3.93805	89	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	28893.45	3.461417	40,257.00	3.461417	72	50 - 150	0.0000	+/-0.50	
M5PFPeA	408014.8	1.757717	449,031.00	1.749417	91	50 - 150	0.0083	+/-0.50	
M5PFHxA	642584.8	2.621617	800,305.00	2.621617	80	50 - 150	0.0000	+/-0.50	
M3PFHxS	83677.56	3.2426	107,652.00	3.2345	78	50 - 150	0.0081	+/-0.50	
M4PFHpA	643144.7	3.2031	856,297.00	3.203083	75	50 - 150	0.0000	+/-0.50	
M8PFOA	542371.1	3.469933	837,098.00	3.469917	65	50 - 150	0.0000	+/-0.50	
M8PFOS	68352.65	3.652167	80,920.00	3.65215	84	50 - 150	0.0000	+/-0.50	
M9PFNA	373037.3	3.653217	541,836.00	3.6532	69	50 - 150	0.0000	+/-0.50	
MPFDoA	367686.8	4.072683	405,476.00	4.072667	91	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	74498.21	3.945533	115,737.00	3.945517	64	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	104414	3.873783	132,342.00	3.873783	79	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-13-20230425 (23D3154-12 )</b>									
			Lab File ID: 23D3154-12.d			Analyzed: 05/12/23 09:39			
M8FOSA	210709	4.052533	232,606.00	4.052533	91	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	69838.41	2.537883	78,799.00	2.529667	89	50 - 150	0.0082	+/-0.50	
M2PF <sub>T</sub> A	336253.9	4.30535	639,112.00	4.305367	53	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	55275.36	3.8028	65,957.00	3.8028	84	50 - 150	0.0000	+/-0.50	
MPFBA	550488.8	1.100017	525,734.00	1.0917	105	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	138867	2.872033	135,411.00	2.86385	103	50 - 150	0.0082	+/-0.50	
M6PFDA	450392.7	3.803333	488,184.00	3.803317	92	50 - 150	0.0000	+/-0.50	
M3PFBS	137091.7	1.9364	144,937.00	1.928117	95	50 - 150	0.0083	+/-0.50	
M7PFU <sub>n</sub> A	402037.1	3.93805	445,936.00	3.93805	90	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	42204.98	3.461417	40,257.00	3.461417	105	50 - 150	0.0000	+/-0.50	
M5PFPeA	448251	1.757717	449,031.00	1.749417	100	50 - 150	0.0083	+/-0.50	
M5PFHxA	748888.6	2.621617	800,305.00	2.621617	94	50 - 150	0.0000	+/-0.50	
M3PFHxS	103290.4	3.242583	107,652.00	3.2345	96	50 - 150	0.0081	+/-0.50	
M4PFHpA	794442.2	3.203083	856,297.00	3.2031	93	50 - 150	0.0000	+/-0.50	
M8PFOA	698987.4	3.469933	837,098.00	3.469933	84	50 - 150	0.0000	+/-0.50	
M8PFOS	75202.5	3.652167	80,920.00	3.652167	93	50 - 150	0.0000	+/-0.50	
M9PFNA	487881.7	3.6532	541,836.00	3.6532	90	50 - 150	0.0000	+/-0.50	
MPFDoA	304337.2	4.072667	405,476.00	4.072683	75	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	83319.84	3.945517	115,737.00	3.945533	72	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	103640.8	3.873783	132,342.00	3.873783	78	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>DUPLICATE-2023-04-25 (23D3154-13)</b>									
			Lab File ID: 23D3154-13.d			Analyzed: 05/12/23 09:46			
M8FOSA	215103.4	4.052533	232,606.00	4.052533	92	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	63254.18	2.537883	78,799.00	2.529667	80	50 - 150	0.0082	+/-0.50	
M2PF <sub>TA</sub>	264197.4	4.30535	639,112.00	4.305367	41	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	52009.95	3.8028	65,957.00	3.8028	79	50 - 150	0.0000	+/-0.50	
MPFBA	484127.1	1.100017	525,734.00	1.0917	92	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	135638.1	2.872033	135,411.00	2.86385	100	50 - 150	0.0082	+/-0.50	
M6PFDA	449845.4	3.803317	488,184.00	3.803317	92	50 - 150	0.0000	+/-0.50	
M3PFBS	131545.7	1.9364	144,937.00	1.928117	91	50 - 150	0.0083	+/-0.50	
M7PFUnA	398599.2	3.93805	445,936.00	3.93805	89	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	31069.53	3.461417	40,257.00	3.461417	77	50 - 150	0.0000	+/-0.50	
M5PFPeA	415171.4	1.757717	449,031.00	1.749417	92	50 - 150	0.0083	+/-0.50	
M5PFHxA	700445.9	2.621617	800,305.00	2.621617	88	50 - 150	0.0000	+/-0.50	
M3PFHxS	97377.48	3.242583	107,652.00	3.2345	90	50 - 150	0.0081	+/-0.50	
M4PFHpA	704842.6	3.2031	856,297.00	3.2031	82	50 - 150	0.0000	+/-0.50	
M8PFOA	664678.6	3.469933	837,098.00	3.469933	79	50 - 150	0.0000	+/-0.50	
M8PFOS	72730.89	3.652167	80,920.00	3.652167	90	50 - 150	0.0000	+/-0.50	
M9PFNA	467436.2	3.6532	541,836.00	3.6532	86	50 - 150	0.0000	+/-0.50	
MPFDoA	371658.8	4.072667	405,476.00	4.072683	92	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	72143.24	3.945517	115,737.00	3.945533	62	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	92678.42	3.873783	132,342.00	3.873783	70	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Blank (B338518-BLK1 )</b>									
			Lab File ID: B338518-BLK1.d			Analyzed: 05/10/23 17:54			
M8FOSA	177312.8	4.044517	210,079.00	4.044533	84	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	56789.39	2.505033	68,102.00	2.496817	83	50 - 150	0.0082	+/-0.50	
M2PFTA	499453.7	4.281116	520,002.00	4.281133	96	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	42571.28	3.78685	48,895.00	3.786867	87	50 - 150	0.0000	+/-0.50	
MPFBA	446029.2	1.0834	477,413.00	1.0834	93	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	108989.9	2.8393	129,174.00	2.8393	84	50 - 150	0.0000	+/-0.50	
M6PFDA	349645.2	3.787383	392,781.00	3.7874	89	50 - 150	0.0000	+/-0.50	
M3PFBS	116462.2	1.911533	123,093.00	1.90325	95	50 - 150	0.0083	+/-0.50	
M7PFUnA	340306.7	3.92205	380,840.00	3.922067	89	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	27108.83	3.445283	32,650.00	3.445283	83	50 - 150	0.0000	+/-0.50	
M5PFPeA	332316.3	1.731383	363,549.00	1.7231	91	50 - 150	0.0083	+/-0.50	
M5PFHxA	516885	2.588767	603,066.00	2.588767	86	50 - 150	0.0000	+/-0.50	
M3PFHxS	75104.95	3.218333	90,122.00	3.218333	83	50 - 150	0.0000	+/-0.50	
M4PFHpA	524676.6	3.186933	622,459.00	3.186933	84	50 - 150	0.0000	+/-0.50	
M8PFOA	476654.9	3.453817	518,833.00	3.453817	92	50 - 150	0.0000	+/-0.50	
M8PFOS	58119.05	3.636183	69,191.00	3.636183	84	50 - 150	0.0000	+/-0.50	
M9PFNA	305775.3	3.637217	393,534.00	3.637233	78	50 - 150	0.0000	+/-0.50	
MPFDoA	286065.7	4.056667	343,270.00	4.056684	83	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	61330.38	3.929517	94,298.00	3.929533	65	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	90772.67	3.85765	113,062.00	3.857667	80	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>LCS (B338518-BS1 )</b>			Lab File ID: B338518-BS1.d			Analyzed: 05/10/23 17:47			
M8FOSA	119397.3	4.04455	210,079.00	4.044533	57	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	39015.23	2.505033	68,102.00	2.496817	57	50 - 150	0.0082	+/-0.50	
M2PF <sub>T</sub> A	304378.8	4.281133	520,002.00	4.281133	59	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	26086.37	3.786867	48,895.00	3.786867	53	50 - 150	0.0000	+/-0.50	
MPFBA	292795.4	1.0834	477,413.00	1.0834	61	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	64901.02	2.839317	129,174.00	2.8393	50	50 - 150	0.0000	+/-0.50	
M6PFDA	246450.2	3.7874	392,781.00	3.7874	63	50 - 150	0.0000	+/-0.50	
M3PFBS	75545.32	1.91155	123,093.00	1.90325	61	50 - 150	0.0083	+/-0.50	
M7PFUnA	226923	3.922067	380,840.00	3.922067	60	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	18478.57	3.4453	32,650.00	3.445283	57	50 - 150	0.0000	+/-0.50	
M5PFPeA	221285.8	1.723117	363,549.00	1.7231	61	50 - 150	0.0000	+/-0.50	
M5PFHxA	343239	2.588767	603,066.00	2.588767	57	50 - 150	0.0000	+/-0.50	
M3PFHxS	49327.86	3.218333	90,122.00	3.218333	55	50 - 150	0.0000	+/-0.50	
M4PFHpA	347199	3.18695	622,459.00	3.186933	56	50 - 150	0.0000	+/-0.50	
M8PFOA	307240	3.453817	518,833.00	3.453817	59	50 - 150	0.0000	+/-0.50	
M8PFOS	38503.25	3.6362	69,191.00	3.636183	56	50 - 150	0.0000	+/-0.50	
M9PFNA	195567.4	3.637233	393,534.00	3.637233	50	50 - 150	0.0000	+/-0.50	
MPFDoA	213185.3	4.056684	343,270.00	4.056684	62	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	42205.96	3.929533	94,298.00	3.929533	45	50 - 150	0.0000	+/-0.50	*
D3-NMeFOSAA	63449.46	3.857667	113,062.00	3.857667	56	50 - 150	0.0000	+/-0.50	

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## INTERNAL STANDARD AREA AND RT SUMMARY

## SOP-466 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Matrix Spike (B338518-MS1)</b>			Lab File ID: B338518-MS1.d			Analyzed: 05/12/23 07:35			
M8FOSA	185906.8	4.052516	232,606.00	4.052516	80	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	60362.06	2.537883	78,799.00	2.4886	77	50 - 150	0.0493	+/-0.50	
M2PF <sub>TA</sub>	445082.5	4.305367	639,112.00	4.27305	70	50 - 150	0.0323	+/-0.50	
M2-8:2FTS	43383.57	3.8028	65,957.00	3.778883	66	50 - 150	0.0239	+/-0.50	
MPFBA	479340.9	1.0917	525,734.00	1.075083	91	50 - 150	0.0166	+/-0.50	
M3HFPO-DA	125278.7	2.872033	135,411.00	2.822933	93	50 - 150	0.0491	+/-0.50	
M6PFDA	393827.9	3.803317	488,184.00	3.779417	81	50 - 150	0.0239	+/-0.50	
M3PFBS	118846	1.9364	144,937.00	1.894967	82	50 - 150	0.0414	+/-0.50	
M7PFUnA	373659.2	3.938033	445,936.00	3.914067	84	50 - 150	0.0240	+/-0.50	
M2-6:2FTS	35889.93	3.461417	40,257.00	3.4373	89	50 - 150	0.0241	+/-0.50	
M5PFPeA	382464.2	1.749417	449,031.00	1.714833	85	50 - 150	0.0346	+/-0.50	
M5PFHxA	621999.7	2.621617	800,305.00	2.572333	78	50 - 150	0.0493	+/-0.50	
M3PFHxS	79101.34	3.242583	107,652.00	3.21025	73	50 - 150	0.0323	+/-0.50	
M4PFHpA	647844.7	3.203083	856,297.00	3.178867	76	50 - 150	0.0242	+/-0.50	
M8PFOA	574016.9	3.469917	837,098.00	3.445833	69	50 - 150	0.0241	+/-0.50	
M8PFOS	65246.09	3.65215	80,920.00	3.6282	81	50 - 150	0.0239	+/-0.50	
M9PFNA	396623.8	3.653183	541,836.00	3.629233	73	50 - 150	0.0239	+/-0.50	
MPFDoA	333441.7	4.072667	405,476.00	4.040683	82	50 - 150	0.0320	+/-0.50	
D5-NEtFOSAA	75674.2	3.945517	115,737.00	3.921533	65	50 - 150	0.0240	+/-0.50	
D3-NMeFOSAA	97871.82	3.873767	132,342.00	3.8497	74	50 - 150	0.0241	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Matrix Spike Dup (B338518-MSD1 )</b>			Lab File ID: B338518-MSD1.d			Analyzed: 05/12/23 07:42			
M8FOSA	147588.1	4.052533	232,606.00	4.052516	63	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	44750.07	2.537883	78,799.00	2.4886	57	50 - 150	0.0493	+/-0.50	
M2PFTA	356526.7	4.305367	639,112.00	4.27305	56	50 - 150	0.0323	+/-0.50	
M2-8:2FTS	37389.63	3.8028	65,957.00	3.778883	57	50 - 150	0.0239	+/-0.50	
MPFBA	367870.7	1.100017	525,734.00	1.075083	70	50 - 150	0.0249	+/-0.50	
M3HFPO-DA	98067.55	2.872033	135,411.00	2.822933	72	50 - 150	0.0491	+/-0.50	
M6PFDA	307583.6	3.803317	488,184.00	3.779417	63	50 - 150	0.0239	+/-0.50	
M3PFBS	93645.15	1.9364	144,937.00	1.894967	65	50 - 150	0.0414	+/-0.50	
M7PFUnA	294876.1	3.93805	445,936.00	3.914067	66	50 - 150	0.0240	+/-0.50	
M2-6:2FTS	24650.96	3.461417	40,257.00	3.4373	61	50 - 150	0.0241	+/-0.50	
M5PFPeA	293146.8	1.757717	449,031.00	1.714833	65	50 - 150	0.0429	+/-0.50	
M5PFHxA	476126.7	2.621617	800,305.00	2.572333	59	50 - 150	0.0493	+/-0.50	
M3PFHxS	62787.64	3.242583	107,652.00	3.21025	58	50 - 150	0.0323	+/-0.50	
M4PFHpA	469302.5	3.2031	856,297.00	3.178867	55	50 - 150	0.0242	+/-0.50	
M8PFOA	420065.4	3.477917	837,098.00	3.445833	50	50 - 150	0.0321	+/-0.50	
M8PFOS	50201.71	3.652167	80,920.00	3.6282	62	50 - 150	0.0240	+/-0.50	
M9PFNA	318154	3.6532	541,836.00	3.629233	59	50 - 150	0.0240	+/-0.50	
MPFDoA	249062.1	4.072683	405,476.00	4.040683	61	50 - 150	0.0320	+/-0.50	
D5-NEtFOSAA	67089.77	3.945517	115,737.00	3.921533	58	50 - 150	0.0240	+/-0.50	
D3-NMeFOSAA	80371.14	3.873783	132,342.00	3.8497	61	50 - 150	0.0241	+/-0.50	



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## INTERNAL STANDARD AREA AND RT SUMMARY

## SOP-466 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Blank (B339724-BLK1 )</b>			Lab File ID: B339724-BLK1.d			Analyzed: 05/16/23 13:20			
M8FOSA	304683.7	3.980567	304,343.00	3.980567	100	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	34918.23	2.57895	32,900.00	2.570733	106	50 - 150	0.0082	+/-0.50	
M2PF <sub>T</sub> A	474395.2	4.313416	512,824.00	4.32155	93	50 - 150	-0.0081	+/-0.50	
M2-8:2FTS	54903.14	3.794833	51,180.00	3.794833	107	50 - 150	0.0000	+/-0.50	
MPFBA	323061.4	1.075083	291,503.00	1.075083	111	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	87190.01	2.8884	82,143.00	2.8884	106	50 - 150	0.0000	+/-0.50	
M6PFDA	502371.3	3.79535	456,339.00	3.79535	110	50 - 150	0.0000	+/-0.50	
M3PFBS	105740.7	1.95315	96,559.00	1.95315	110	50 - 150	0.0000	+/-0.50	
M7PFU <sub>n</sub> A	518704.5	3.938033	529,330.00	3.938033	98	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	25239.38	3.445283	23,844.00	3.445283	106	50 - 150	0.0000	+/-0.50	
M5PFPeA	327000.5	1.7743	300,385.00	1.7743	109	50 - 150	0.0000	+/-0.50	
M5PFH <sub>x</sub> A	471294.2	2.663233	431,803.00	2.663233	109	50 - 150	0.0000	+/-0.50	
M3PFH <sub>x</sub> S	79422.77	3.218333	68,954.00	3.218333	115	50 - 150	0.0000	+/-0.50	
M4PFH <sub>p</sub> A	459875.6	3.195017	406,892.00	3.195017	113	50 - 150	0.0000	+/-0.50	
M8PFOA	487572.1	3.453817	453,494.00	3.453817	108	50 - 150	0.0000	+/-0.50	
M8PFOS	85743.76	3.636183	78,703.00	3.636183	109	50 - 150	0.0000	+/-0.50	
M9PFNA	541523.4	3.637217	469,925.00	3.637217	115	50 - 150	0.0000	+/-0.50	
MPFDoA	445572.9	4.08065	447,376.00	4.08065	100	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	82727.53	3.945517	90,569.00	3.945517	91	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	98086.95	3.865617	100,006.00	3.873767	98	50 - 150	-0.0082	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>LCS (B339724-BS1 )</b>			Lab File ID: B339724-BS1.d			Analyzed: 05/16/23 13:12			
M8FOSA	352073.6	3.980567	304,343.00	3.980567	116	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	39058.26	2.57895	32,900.00	2.570733	119	50 - 150	0.0082	+/-0.50	
M2PF <sub>T</sub> A	539387.3	4.32155	512,824.00	4.32155	105	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	69269.95	3.794833	51,180.00	3.794833	135	50 - 150	0.0000	+/-0.50	
MPFBA	355942.4	1.075083	291,503.00	1.075083	122	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	90997.23	2.8884	82,143.00	2.8884	111	50 - 150	0.0000	+/-0.50	
M6PFDA	549046.6	3.79535	456,339.00	3.79535	120	50 - 150	0.0000	+/-0.50	
M3PFBS	117978.7	1.95315	96,559.00	1.95315	122	50 - 150	0.0000	+/-0.50	
M7PFU <sub>n</sub> A	566136.8	3.938033	529,330.00	3.938033	107	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	37760.57	3.445283	23,844.00	3.445283	158	50 - 150	0.0000	+/-0.50	*
M5PFPeA	359227.7	1.7743	300,385.00	1.7743	120	50 - 150	0.0000	+/-0.50	
M5PFH <sub>x</sub> A	516063.9	2.663233	431,803.00	2.663233	120	50 - 150	0.0000	+/-0.50	
M3PFH <sub>x</sub> S	89215.21	3.218333	68,954.00	3.218333	129	50 - 150	0.0000	+/-0.50	
M4PFH <sub>p</sub> A	490301.9	3.195017	406,892.00	3.195017	120	50 - 150	0.0000	+/-0.50	
M8PFOA	576660.9	3.453817	453,494.00	3.453817	127	50 - 150	0.0000	+/-0.50	
M8PFOS	97740.37	3.636183	78,703.00	3.636183	124	50 - 150	0.0000	+/-0.50	
M9PFNA	601461.5	3.637217	469,925.00	3.637217	128	50 - 150	0.0000	+/-0.50	
MPFDoA	495498.9	4.08065	447,376.00	4.08065	111	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	86344.17	3.945517	90,569.00	3.945517	95	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	108625	3.873767	100,006.00	3.873767	109	50 - 150	0.0000	+/-0.50	

**CERTIFICATIONS**
**Certified Analyses included in this Report**

Analyte	Certifications
<i>SOP-466 PFAS in Soil</i>	
Perfluorobutanoic acid (PFBA)	NH-P
Perfluorobutanesulfonic acid (PFBS)	NH-P
Perfluoropentanoic acid (PFPeA)	NH-P
Perfluorohexanoic acid (PFHxA)	NH-P
11Cl-PF3OUdS (F53B Major)	NH-P
9Cl-PF3ONS (F53B Minor)	NH-P
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NH-P
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NH-P
8:2 Fluorotelomersulfonic acid (8:2FTS A)	NH-P
Perfluorodecanoic acid (PFDA)	NH-P
Perfluorododecanoic acid (PFDoA)	NH-P
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	NH-P
Perfluoroheptanesulfonic acid (PFHpS)	NH-P
N-EtFOSAA (NEtFOSAA)	NH-P
N-MeFOSAA (NMeFOSAA)	NH-P
Perfluorotetradecanoic acid (PFTA)	NH-P
Perfluorotridecanoic acid (PFTrDA)	NH-P
4:2 Fluorotelomersulfonic acid (4:2FTS A)	NH-P
Perfluorodecanesulfonic acid (PFDS)	NH-P
Perfluorooctanesulfonamide (FOSA)	NH-P
Perfluorononanesulfonic acid (PFNS)	NH-P
Perfluoro-1-hexanesulfonamide (FHxSA)	NH-P
Perfluoro-1-butanesulfonamide (FBSA)	NH-P
Perfluorohexanesulfonic acid (PFHxS)	NH-P
Perfluoro-4-oxapentanoic acid (PFMPA)	NH-P
Perfluoro-5-oxahexanoic acid (PFMBA)	NH-P
6:2 Fluorotelomersulfonic acid (6:2FTS A)	NH-P
Perfluoropentanesulfonic acid (PFPeS)	NH-P
Perfluoroundecanoic acid (PFUnA)	NH-P
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NH-P
Perfluoroheptanoic acid (PFHpA)	NH-P
Perfluorooctanoic acid (PFOA)	NH-P
Perfluorooctanesulfonic acid (PFOS)	NH-P
Perfluorononanoic acid (PFNA)	NH-P

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2023

Phone: 612-607-6400  
Fax: 612-607-6344

https://www.pacelabs.com/

Doc # 380 Rev 1\_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE  
Minneapolis, MN 55414

Page 3 of 8

73D3154

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYSDEC

Address: 625 Broadway, 12th Floor, Albany, NY 12233

Phone: 518-402-2754

Project Name: Rock C&D Landfill

Project Location: Milton, NY

Project Number: DEC #546061

Project Manager: Anthony Bollasina

Pace Analytical Quote Name/Number: Callout ID: 147267

Invoice Recipient: NYSDEC

Sampled By: AIB/MS/PP/BOB/JA/KG/SJ

**Requested Turnaround Time**  
 7-Day  10-Day  Rush-Approval Required  
 Due Date:   
**Data Delivery**  
 Format: PDF  EXCEL   
 Other:   
 CLP Like Data Pkg Required:   
 Email To: anthony.bollasina@dec.ny.gov  
 Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	DATE	TIME	Composite	Grab	Matrix Code	Conc Code
1 MS/MSD collected	SED-01A-20230425	4/25/2023	0950		X	SE	
2	SED-02A-20230425	4/25/2023	1230		X	SE	
3	SED-03A-20230425	4/25/2023	1040		X	SE	
4	SED-04A-20230425	4/25/2023	1050		X	SE	
5	SED-05-20230425	4/25/2023	1110		X	SE	
6	SED-06-20230425	4/25/2023	1210		X	SE	
7	SED-07-20230425	4/25/2023	1120		X	SE	
8	SED-08-20230425	4/25/2023	1030		X	SE	
9	SED-09-20230425	4/25/2023	1140		X	SE	
10	SED-10-20230425	4/25/2023	1020		X	SE	

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

NYS EDD & CAT B deliverables

Relinquished by: (signature)	Date/Time: 4-26-23 0931
Received by: (signature)	Date/Time: 4-26-23 931
Relinquished by: (signature)	Date/Time: 4-26-23 1430
Received by: (signature)	Date/Time: 4-26-23 1730
Relinquished by: (signature)	Date/Time: 4-26-23 1530
Received by: (signature)	Date/Time: 4-26-23 1530

**Program & Regulatory Information**

AWQ STDS  NYC Sewer Discharge  Part 360 GW (Landfill)  NY Restricted Use  NY Unrestricted Use  NY Part 375

**Deliverables**

Enhanced Data Package  NYSDEC EQUIS EDD  EQUIS (Standard) EDD  NY Regulatory EDD  NY Regs Hits-Only EDD

**Project Entity**

Government  Federal  City  Municipality  21 J  Brownfield  MWRA  School  MBTA  WRTA  Other

**Chromatogram**

Chromatogram  AIHA-LAP, LLC



3.0, 4.5, 3.2, 2.5, 2.9, 3.4, 3.8, 4.3, 3.6 4/26/23 1745

ANALYSIS REQUESTED

PFAS by 537M

BBB

- 1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)  
 SW = surface water
- SE - sediment**
- 2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)
- 3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)
- PCE ONLY**  
 Soxhlet  
 Non Soxhlet



East Longmeadow, MA. 01028  
 P: 413-525-2332  
 F: 413-525-6405  
 www.pacelabs.com

# Log In Back-Sheet

Login Sample Receipt Checklist - (Rejection Criteria Listing  
 - Using Acceptance Policy) Any False statement will be  
 brought to the attention of the Client - True or False



Client NYDEC  
 Project Rock C&D Landfill  
 MCP/RCP Required No  
 Deliverable Package Req. No  
 Location Milton, NY  
 PWSID# (When Applicable) NA  
 Arrival Method:  
 Courier  Fed Ex  Walk In  Other   
 Received By / Date / Time DWW 4/26/23 1745  
 Back-Sheet By / Date / Time SK 4/26/23 2125  
 Temperature Method gun # 5  
 Temp  < 6° C Actual Temperature 3.0, 4.5, 3.2, 2.5, 2.9  
 Rush Samples: Yes /  No Notify 3.4, 3.8, 4.3, 3.6  
 Short Hold:  Yes /  No Notify same as

	True	False
Received on Ice	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Received in Cooler	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Custody Seal: DATE TIME	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Relinquished	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC/Samples Labels Agree	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Samples in Good Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Samples Received within Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there enough Volume	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proper Media/Container Used	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Splitting Samples Required	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MS/MSD	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Trip Blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lab to Filters	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Legible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC Included: (Check all included)		
Client <input checked="" type="checkbox"/>	Analysis <input checked="" type="checkbox"/>	Sampler Name <input checked="" type="checkbox"/>
Project <input checked="" type="checkbox"/>	IDs <input checked="" type="checkbox"/>	Collection Date/Time <input checked="" type="checkbox"/>
All Samples Proper pH:	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/>

**Notes regarding Samples/COC outside of SOP:**

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Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	Na2S2O3	Other Preservative	
1L Amber Plastic									
500 mL Amber Plastic									
250 mL Amber Plastic									
Other Amber Clear <u>Plastic</u>	<u>14</u>								
16oz Amber Clear									
8oz Amber Clear									
4oz Amber Clear									
2oz Amber Clear									
Col/Bacteria									
Flashpoint									
Plastic Bag									
SOC Kit									
Perchlorate									
Encore									
Frozen									
	Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials									

May 17, 2023

Anthony Bollasina  
NYS Division of Environmental Remediation  
625 Broadway 12th Floor  
Albany, NY 12233-7012

Project Location: Milton, NY  
Client Job Number:  
Project Number: 546061  
Laboratory Work Order Number: 23D3154

Enclosed are results of analyses for samples as received by the laboratory on April 26, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

 NYS Division of Environmental Remediation  
 625 Broadway 12th Floor  
 Albany, NY 12233-7012  
 ATTN: Anthony Bollasina

REPORT DATE: 5/17/2023

PURCHASE ORDER NUMBER: 147267

PROJECT NUMBER: 546061

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 23D3154

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Milton, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SED-01A-20230425	23D3154-01	Soil		SM 2540G SOP-466 PFAS	
SED-02A-20230425	23D3154-02	Soil		SM 2540G SOP-466 PFAS	
SED-03A-20230425	23D3154-03	Soil		SM 2540G SOP-466 PFAS	
SED-04A-20230425	23D3154-04	Soil		SM 2540G SOP-466 PFAS	
SED-05-20230425	23D3154-05	Soil		SM 2540G SOP-466 PFAS	
SED-06-20230425	23D3154-06	Soil		SM 2540G SOP-466 PFAS	
SED-07-20230425	23D3154-07	Soil		SM 2540G SOP-466 PFAS	
SED-08-20230425	23D3154-08	Soil		SM 2540G SOP-466 PFAS	
SED-09-20230425	23D3154-09	Soil		SM 2540G SOP-466 PFAS	
SED-10-20230425	23D3154-10	Soil		SM 2540G SOP-466 PFAS	
SED-11-20230425	23D3154-11	Soil		SM 2540G SOP-466 PFAS	
SED-12-20230425	23D3154-12	Soil		SM 2540G SOP-466 PFAS	
DUPLICATE-2023-04-25	23D3154-13	Soil		SM 2540G SOP-466 PFAS	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**SOP-466 PFAS****Qualifications:****MS-22**

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

**Analyte & Samples(s) Qualified:****N-EtFOSAA (NEtFOSAA)**

B338518-MSD1

**Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**

B338518-MSD1

**Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)**

B338518-MSD1

**Perfluorodecanoic acid (PFDA)**

B338518-MSD1

**Perfluoroheptanoic acid (PFHpA)**

B338518-MSD1

**Perfluorononanesulfonic acid (PFNS)**

B338518-MSD1

**Perfluorooctanoic acid (PFOA)**

B338518-MSD1

**Perfluoropentanesulfonic acid (PFPeS)**

B338518-MSD1

**PF-18**

Duplicate analysis confirmed Extracted Internal Standard failure due to matrix effects.

**Analyte & Samples(s) Qualified:****D5-NEtFOSAA**

23D3154-09[SED-09-20230425]

**M2PFTA**

23D3154-09[SED-09-20230425]

**MPFDoA**

23D3154-09[SED-09-20230425]

**R-06**

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

**Analyte & Samples(s) Qualified:****6:2 Fluorotelomersulfonic acid (6:2FTS A)**

B338518-MSD1

**S-29**

Extracted Internal Standard is outside of control limits.

**Analyte & Samples(s) Qualified:****D3-NMeFOSAA**

23D3154-09[SED-09-20230425]

**D5-NEtFOSAA**

23D3154-08[SED-08-20230425], 23D3154-10[SED-10-20230425], B338518-BS1

**M2-6:2FTS**

B339724-BS1

**M2PFTA**

23D3154-08[SED-08-20230425], 23D3154-10[SED-10-20230425], 23D3154-13[DUPLICATE-2023-04-25]

**M3HFPO-DA**

S087399-CCV2, S087399-CCV6

**M9PFNA**

B338518-BS1

**V-05**

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

**Analyte & Samples(s) Qualified:****N-MeFOSAA (NMeFOSAA)**

23D3154-01[SED-01A-20230425], 23D3154-02[SED-02A-20230425], 23D3154-03[SED-03A-20230425], 23D3154-04[SED-04A-20230425], 23D3154-05[SED-05-20230425], 23D3154-06[SED-06-20230425], 23D3154-07[SED-07-20230425], 23D3154-08[SED-08-20230425], 23D3154-09[SED-09-20230425], 23D3154-10[SED-10-20230425], 23D3154-11[SED-11-20230425], 23D3154-12[SED-12-20230425], 23D3154-13[DUPLICATE-2023-04-25], S087399-CCV2

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

**Analyte & Samples(s) Qualified:**

**Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)**

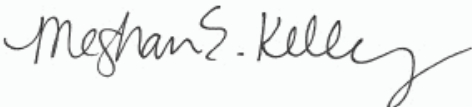
S087399-CCV3, S087399-CCV4

**Perfluorononanoic acid (PFNA)**

S087399-CCV3, S087399-CCV4

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley  
Reporting Specialist

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3154-01

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.96	0.38	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.96	0.33	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoropentanoic acid (PFPeA)	ND	0.96	0.34	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.96	0.35	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.96	0.39	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.96	0.52	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.96	0.36	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.96	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	0.96	0.41	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorodecanoic acid (PFDA)	ND	0.96	0.39	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.96	0.58	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.96	0.33	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.96	0.43	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.96	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.96	0.46	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorotetradecanoic acid (PFTA)	ND	0.96	0.44	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.96	0.30	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	0.96	0.35	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.96	0.46	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorooctanesulfonamide (FOSA)	ND	0.96	0.40	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.96	0.53	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.96	0.42	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.96	0.39	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.96	0.44	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.96	0.32	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.96	0.34	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	0.96	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.96	0.37	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.96	0.32	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.96	0.33	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.96	0.37	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorooctanoic acid (PFOA)	ND	0.96	0.34	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.96	0.59	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorononanoic acid (PFNA)	ND	0.96	0.42	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3154-01

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	45.9		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-02A-20230425

Sampled: 4/25/2023 12:30

Sample ID: 23D3154-02

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	3.3	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	3.3	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoropentanoic acid (PFPeA)	ND	3.3	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorohexanoic acid (PFHxA)	ND	3.3	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.3	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.3	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.3	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.3	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	3.3	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorodecanoic acid (PFDA)	ND	3.3	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorododecanoic acid (PFDoA)	ND	3.3	2.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.3	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	3.3	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
N-EtFOSAA (NEtFOSAA)	ND	3.3	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
N-MeFOSAA (NMeFOSAA)	ND	3.3	1.6	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorotetradecanoic acid (PFTA)	ND	3.3	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	3.3	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	3.3	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	3.3	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorooctanesulfonamide (FOSA)	ND	3.3	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorononanesulfonic acid (PFNS)	ND	3.3	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	3.3	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	3.3	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	3.3	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.3	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.3	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	3.3	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	3.3	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoroundecanoic acid (PFUnA)	ND	3.3	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.3	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoroheptanoic acid (PFHpA)	ND	3.3	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorooctanoic acid (PFOA)	ND	3.3	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorooctanesulfonic acid (PFOS)	6.6	3.3	2.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorononanoic acid (PFNA)	ND	3.3	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-02A-20230425

Sampled: 4/25/2023 12:30

Sample ID: 23D3154-02

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	12.9		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-03A-20230425

Sampled: 4/25/2023 10:40

Sample ID: 23D3154-03

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.4	0.56	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.4	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.4	0.50	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.4	0.51	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
11Cl-PF3OUdS (F53B Major)	ND	1.4	0.58	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
9Cl-PF3ONS (F53B Minor)	ND	1.4	0.76	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.4	0.52	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.4	0.71	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.4	0.60	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorodecanoic acid (PFDA)	ND	1.4	0.57	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.4	0.84	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.4	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.4	0.63	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.4	0.70	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.4	0.67	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorotetradecanoic acid (PFTA)	ND	1.4	0.65	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.4	0.44	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.4	0.51	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.4	0.66	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorooctanesulfonamide (FOSA)	ND	1.4	0.58	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.4	0.77	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.4	0.61	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.4	0.57	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.4	0.63	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.4	0.47	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.4	0.50	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.4	0.69	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.4	0.53	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.4	0.47	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.4	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.4	0.53	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorooctanoic acid (PFOA)	ND	1.4	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.4	0.86	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorononanoic acid (PFNA)	ND	1.4	0.61	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

**Field Sample #: SED-03A-20230425**

Sampled: 4/25/2023 10:40

**Sample ID: 23D3154-03**

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

<b>Analyte</b>	<b>Results</b>	<b>RL</b>	<b>Units</b>	<b>Dilution</b>	<b>Flag/Qual</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date/Time Analyzed</b>	<b>Analyst</b>
% Solids	29.9		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-04A-20230425

Sampled: 4/25/2023 10:50

Sample ID: 23D3154-04

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	2.4	0.97	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	2.4	0.84	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.4	0.87	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorohexanoic acid (PFHxA)	ND	2.4	0.88	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
11Cl-PF3OUdS (F53B Major)	ND	2.4	0.99	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
9Cl-PF3ONS (F53B Minor)	ND	2.4	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.4	0.91	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.4	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.4	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorodecanoic acid (PFDA)	2.1	2.4	0.98	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorododecanoic acid (PFDoA)	ND	2.4	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.4	0.83	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
N-EtFOSAA (NEtFOSAA)	ND	2.4	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
N-MeFOSAA (NMeFOSAA)	ND	2.4	1.2	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorotetradecanoic acid (PFTA)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	2.4	0.77	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.4	0.88	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorooctanesulfonamide (FOSA)	ND	2.4	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorononanesulfonic acid (PFNS)	ND	2.4	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	2.4	0.98	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.4	0.82	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.4	0.86	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.4	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	2.4	0.92	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoroundecanoic acid (PFUnA)	ND	2.4	0.81	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.4	0.84	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoroheptanoic acid (PFHpA)	ND	2.4	0.92	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorooctanoic acid (PFOA)	2.5	2.4	0.85	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorooctanesulfonic acid (PFOS)	34	2.4	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorononanoic acid (PFNA)	2.3	2.4	1.1	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-04A-20230425

Sampled: 4/25/2023 10:50

Sample ID: 23D3154-04

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	18.1		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-05-20230425

Sampled: 4/25/2023 11:10

Sample ID: 23D3154-05

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.3	0.54	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.3	0.47	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.3	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.3	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
11Cl-PF3OUdS (F53B Major)	ND	1.3	0.55	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
9Cl-PF3ONS (F53B Minor)	ND	1.3	0.73	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.3	0.51	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.3	0.68	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.3	0.58	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorodecanoic acid (PFDA)	ND	1.3	0.55	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.3	0.81	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.3	0.47	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.3	0.61	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.3	0.67	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.3	0.65	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorotetradecanoic acid (PFTA)	ND	1.3	0.62	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.3	0.43	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.3	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.3	0.64	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorooctanesulfonamide (FOSA)	ND	1.3	0.56	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.3	0.74	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.3	0.59	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.3	0.55	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.3	0.61	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.3	0.46	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.3	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.3	0.67	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.3	0.51	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.3	0.45	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.3	0.47	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.3	0.51	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorooctanoic acid (PFOA)	0.65	1.3	0.48	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorooctanesulfonic acid (PFOS)	4.4	1.3	0.83	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorononanoic acid (PFNA)	ND	1.3	0.59	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-05-20230425

Sampled: 4/25/2023 11:10

Sample ID: 23D3154-05

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	31.0		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-06-20230425

Sampled: 4/25/2023 12:10

Sample ID: 23D3154-06

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	2.4	0.98	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	2.4	0.85	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.4	0.88	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorohexanoic acid (PFHxA)	ND	2.4	0.89	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
11Cl-PF3OUdS (F53B Major)	ND	2.4	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
9Cl-PF3ONS (F53B Minor)	ND	2.4	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.4	0.92	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.4	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorodecanoic acid (PFDA)	3.8	2.4	0.99	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorododecanoic acid (PFDoA)	1.9	2.4	1.5	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.4	0.84	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
N-EtFOSAA (NEtFOSAA)	2.3	2.4	1.2	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
N-MeFOSAA (NMeFOSAA)	ND	2.4	1.2	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorotetradecanoic acid (PFTA)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	2.4	0.78	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.4	0.89	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	2.4	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorooctanesulfonamide (FOSA)	ND	2.4	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorononanesulfonic acid (PFNS)	ND	2.4	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	2.4	0.99	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.4	0.82	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.4	0.87	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.4	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoropetanesulfonic acid (PFPeS)	ND	2.4	0.93	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoroundecanoic acid (PFUnA)	3.6	2.4	0.82	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.4	0.85	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoroheptanoic acid (PFHpA)	ND	2.4	0.93	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorooctanoic acid (PFOA)	1.3	2.4	0.86	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorooctanesulfonic acid (PFOS)	27	2.4	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorononanoic acid (PFNA)	1.1	2.4	1.1	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-06-20230425

Sampled: 4/25/2023 12:10

Sample ID: 23D3154-06

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	17.2		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-07-20230425

Sampled: 4/25/2023 11:20

Sample ID: 23D3154-07

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	0.91	2.0	0.81	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	0.70	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.0	0.73	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorohexanoic acid (PFHxA)	ND	2.0	0.74	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
11Cl-PF3OUdS (F53B Major)	ND	2.0	0.84	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
9Cl-PF3ONS (F53B Minor)	ND	2.0	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	0.76	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0	0.87	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorodecanoic acid (PFDA)	ND	2.0	0.82	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorododecanoic acid (PFDoA)	ND	2.0	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	2.0	0.70	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	0.91	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
N-EtFOSAA (NEtFOSAA)	ND	2.0	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
N-MeFOSAA (NMeFOSAA)	ND	2.0	0.97	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorotetradecanoic acid (PFTA)	ND	2.0	0.94	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	0.65	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0	0.74	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	2.0	0.96	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorooctanesulfonamide (FOSA)	ND	2.0	0.84	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorononanesulfonic acid (PFNS)	ND	2.0	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	2.0	0.89	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoro-1-butanesulfonamide (FBSA)	ND	2.0	0.82	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	0.92	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	0.69	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	0.72	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0	0.77	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoroundecanoic acid (PFUnA)	ND	2.0	0.68	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.71	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoroheptanoic acid (PFHpA)	ND	2.0	0.77	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorooctanoic acid (PFOA)	1.5	2.0	0.72	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorooctanesulfonic acid (PFOS)	6.3	2.0	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorononanoic acid (PFNA)	ND	2.0	0.89	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-07-20230425

Sampled: 4/25/2023 11:20

Sample ID: 23D3154-07

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	20.6		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-08-20230425

Sampled: 4/25/2023 10:30

Sample ID: 23D3154-08

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.1	0.44	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.1	0.38	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.1	0.40	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.1	0.40	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
11Cl-PF3OUdS (F53B Major)	ND	1.1	0.46	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
9Cl-PF3ONS (F53B Minor)	ND	1.1	0.60	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.1	0.42	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.1	0.56	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.1	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorodecanoic acid (PFDA)	ND	1.1	0.45	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.1	0.67	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.1	0.38	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.1	0.50	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.1	0.55	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.1	0.53	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorotetradecanoic acid (PFTA)	ND	1.1	0.51	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.1	0.35	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.1	0.40	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.1	0.53	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorooctanesulfonamide (FOSA)	ND	1.1	0.46	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.1	0.61	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.1	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.1	0.45	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.1	0.50	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.1	0.37	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.1	0.39	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.1	0.55	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.1	0.42	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.1	0.37	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.1	0.39	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.1	0.42	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorooctanoic acid (PFOA)	0.99	1.1	0.39	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorooctanesulfonic acid (PFOS)	8.7	1.1	0.68	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorononanoic acid (PFNA)	0.78	1.1	0.48	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

**Field Sample #: SED-08-20230425**

Sampled: 4/25/2023 10:30

**Sample ID: 23D3154-08**

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

<b>Analyte</b>	<b>Results</b>	<b>RL</b>	<b>Units</b>	<b>Dilution</b>	<b>Flag/Qual</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date/Time Analyzed</b>	<b>Analyst</b>
% Solids	37.8		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-09-20230425

Sampled: 4/25/2023 11:40

Sample ID: 23D3154-09

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	2.9	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	2.9	0.99	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.9	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorohexanoic acid (PFHxA)	ND	2.9	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
11Cl-PF3OUdS (F53B Major)	ND	2.9	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
9Cl-PF3ONS (F53B Minor)	ND	2.9	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.9	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.9	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.9	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorodecanoic acid (PFDA)	ND	2.9	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorododecanoic acid (PFDoA)	ND	2.9	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.9	0.99	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.9	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
N-EtFOSAA (NEtFOSAA)	ND	2.9	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
N-MeFOSAA (NMeFOSAA)	ND	2.9	1.4	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorotetradecanoic acid (PFTA)	ND	2.9	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	2.9	0.91	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.9	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	2.9	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorooctanesulfonamide (FOSA)	ND	2.9	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorononanesulfonic acid (PFNS)	ND	2.9	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	2.9	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	2.9	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	2.9	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.9	0.97	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.9	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.9	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	2.9	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoroundecanoic acid (PFUnA)	ND	2.9	0.96	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.9	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoroheptanoic acid (PFHpA)	ND	2.9	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorooctanoic acid (PFOA)	ND	2.9	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	2.9	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorononanoic acid (PFNA)	ND	2.9	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

**Field Sample #: SED-09-20230425**

Sampled: 4/25/2023 11:40

**Sample ID: 23D3154-09**

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	15.4		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-10-20230425

Sampled: 4/25/2023 10:20

Sample ID: 23D3154-10

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	4.6	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	4.6	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoropentanoic acid (PFPeA)	ND	4.6	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorohexanoic acid (PFHxA)	ND	4.6	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
11Cl-PF3OUdS (F53B Major)	ND	4.6	1.9	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
9Cl-PF3ONS (F53B Minor)	ND	4.6	2.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.6	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.6	2.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	4.6	2.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorodecanoic acid (PFDA)	ND	4.6	1.9	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorododecanoic acid (PFDoA)	ND	4.6	2.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	4.6	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	4.6	2.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
N-EtFOSAA (NEtFOSAA)	ND	4.6	2.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
N-MeFOSAA (NMeFOSAA)	ND	4.6	2.2	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorotetradecanoic acid (PFTA)	ND	4.6	2.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	4.6	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	4.6	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	4.6	2.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorooctanesulfonamide (FOSA)	ND	4.6	1.9	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorononanesulfonic acid (PFNS)	ND	4.6	2.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	4.6	2.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	4.6	1.9	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	4.6	2.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.6	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.6	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	4.6	2.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	4.6	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoroundecanoic acid (PFUnA)	ND	4.6	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.6	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoroheptanoic acid (PFHpA)	ND	4.6	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorooctanoic acid (PFOA)	6.9	4.6	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorooctanesulfonic acid (PFOS)	26	4.6	2.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorononanoic acid (PFNA)	3.4	4.6	2.0	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-10-20230425

Sampled: 4/25/2023 10:20

Sample ID: 23D3154-10

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	9.41		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-11-20230425

Sampled: 4/25/2023 10:10

Sample ID: 23D3154-11

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	3.7	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoropentanoic acid (PFPeA)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorohexanoic acid (PFHxA)	ND	3.7	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.7	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.7	2.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.7	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.7	1.9	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	3.7	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorodecanoic acid (PFDA)	ND	3.7	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorododecanoic acid (PFDoA)	ND	3.7	2.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	3.7	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
N-EtFOSAA (NEtFOSAA)	ND	3.7	1.9	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
N-MeFOSAA (NMeFOSAA)	ND	3.7	1.8	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorotetradecanoic acid (PFTA)	ND	3.7	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	3.7	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	3.7	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	3.7	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorooctanesulfonamide (FOSA)	ND	3.7	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorononanesulfonic acid (PFNS)	ND	3.7	2.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	3.7	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoro-1-butanesulfonamide (FBSA)	ND	3.7	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	3.7	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	3.7	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoropetanesulfonic acid (PFPeS)	ND	3.7	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoroundecanoic acid (PFUnA)	ND	3.7	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoroheptanoic acid (PFHpA)	ND	3.7	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorooctanoic acid (PFOA)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorooctanesulfonic acid (PFOS)	3.4	3.7	2.3	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorononanoic acid (PFNA)	ND	3.7	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-11-20230425

Sampled: 4/25/2023 10:10

Sample ID: 23D3154-11

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	11.8		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-12-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3154-12

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.81	0.33	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.81	0.28	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoropentanoic acid (PFPeA)	ND	0.81	0.29	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.81	0.30	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.81	0.34	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.81	0.44	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.81	0.31	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.81	0.41	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	0.81	0.35	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorodecanoic acid (PFDA)	0.80	0.81	0.33	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.81	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.81	0.28	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.81	0.37	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.81	0.41	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.81	0.39	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorotetradecanoic acid (PFTA)	ND	0.81	0.38	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.81	0.26	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	0.81	0.30	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.81	0.39	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorooctanesulfonamide (FOSA)	ND	0.81	0.34	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.81	0.45	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.81	0.36	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	0.81	0.33	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.81	0.37	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.81	0.28	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.81	0.29	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	0.81	0.40	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.81	0.31	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.81	0.27	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.81	0.28	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.81	0.31	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorooctanoic acid (PFOA)	1.2	0.81	0.29	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorooctanesulfonic acid (PFOS)	9.4	0.81	0.50	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorononanoic acid (PFNA)	0.42	0.81	0.36	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-12-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3154-12

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	53.2		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: DUPLICATE-2023-04-25

Sampled: 4/25/2023 00:00

Sample ID: 23D3154-13

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.6	0.63	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	0.54	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.6	0.56	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.6	0.57	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
11Cl-PF3OUdS (F53B Major)	ND	1.6	0.64	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
9Cl-PF3ONS (F53B Minor)	ND	1.6	0.85	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.6	0.59	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.6	0.80	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.6	0.67	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorodecanoic acid (PFDA)	2.7	1.6	0.63	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorododecanoic acid (PFDoA)	1.0	1.6	0.94	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.6	0.54	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	0.70	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
N-EtFOSAA (NEtFOSAA)	1.4	1.6	0.78	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.6	0.75	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorotetradecanoic acid (PFTA)	ND	1.6	0.73	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	0.50	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.6	0.57	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	0.74	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorooctanesulfonamide (FOSA)	ND	1.6	0.65	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.6	0.86	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.6	0.69	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.6	0.64	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	0.71	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.6	0.53	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.6	0.56	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.6	0.78	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.6	0.60	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoroundecanoic acid (PFUnA)	2.4	1.6	0.53	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.6	0.55	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.6	0.60	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorooctanoic acid (PFOA)	0.75	1.6	0.55	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorooctanesulfonic acid (PFOS)	16	1.6	0.96	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorononanoic acid (PFNA)	ND	1.6	0.68	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

 Field Sample #: **DUPLICATE-2023-04-25**

Sampled: 4/25/2023 00:00

 Sample ID: **23D3154-13**

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	27.4		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

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**Sample Extraction Data**

**Prep Method:**% Solids    **Analytical Method:**SM 2540G

Lab Number [Field ID]	Batch	Date
23D3154-01 [SED-01A-20230425]	B338436	04/27/23
23D3154-02 [SED-02A-20230425]	B338436	04/27/23
23D3154-03 [SED-03A-20230425]	B338436	04/27/23
23D3154-04 [SED-04A-20230425]	B338436	04/27/23
23D3154-05 [SED-05-20230425]	B338436	04/27/23
23D3154-06 [SED-06-20230425]	B338436	04/27/23
23D3154-07 [SED-07-20230425]	B338436	04/27/23
23D3154-08 [SED-08-20230425]	B338436	04/27/23
23D3154-09 [SED-09-20230425]	B338436	04/27/23
23D3154-10 [SED-10-20230425]	B338436	04/27/23
23D3154-11 [SED-11-20230425]	B338436	04/27/23
23D3154-12 [SED-12-20230425]	B338436	04/27/23
23D3154-13 [DUPLICATE-2023-04-25]	B338436	04/27/23

**Prep Method:**SOP 465-PFAAS    **Analytical Method:**SOP-466 PFAS

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23D3154-01 [SED-01A-20230425]	B338518	5.63	5.00	05/03/23
23D3154-02 [SED-02A-20230425]	B338518	5.87	5.00	05/03/23
23D3154-03 [SED-03A-20230425]	B338518	5.94	5.00	05/03/23
23D3154-04 [SED-04A-20230425]	B338518	5.67	5.00	05/03/23
23D3154-05 [SED-05-20230425]	B338518	5.93	5.00	05/03/23
23D3154-06 [SED-06-20230425]	B338518	5.89	5.00	05/03/23
23D3154-07 [SED-07-20230425]	B338518	5.93	5.00	05/03/23
23D3154-08 [SED-08-20230425]	B338518	5.92	5.00	05/03/23
23D3154-09 [SED-09-20230425]	B338518	5.63	5.00	05/03/23
23D3154-10 [SED-10-20230425]	B338518	5.71	5.00	05/03/23
23D3154-11 [SED-11-20230425]	B338518	5.66	5.00	05/03/23
23D3154-12 [SED-12-20230425]	B338518	5.72	5.00	05/03/23
23D3154-13 [DUPLICATE-2023-04-25]	B338518	5.78	5.00	05/03/23

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B338518 - SOP 465-PFAAS**
**Blank (B338518-BLK1)**

Prepared: 05/03/23 Analyzed: 05/10/23

Perfluorobutanoic acid (PFBA)	ND	0.45	µg/kg wet							
Perfluorobutanesulfonic acid (PFBS)	ND	0.45	µg/kg wet							
Perfluoropentanoic acid (PFPeA)	ND	0.45	µg/kg wet							
Perfluorohexanoic acid (PFHxA)	ND	0.45	µg/kg wet							
11Cl-PF3OUdS (F53B Major)	ND	0.45	µg/kg wet							
9Cl-PF3ONS (F53B Minor)	ND	0.45	µg/kg wet							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.45	µg/kg wet							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.45	µg/kg wet							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	0.45	µg/kg wet							
Perfluorodecanoic acid (PFDA)	ND	0.45	µg/kg wet							
Perfluorododecanoic acid (PFDoA)	ND	0.45	µg/kg wet							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	0.45	µg/kg wet							
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.45	µg/kg wet							
N-EtFOSAA (NEtFOSAA)	ND	0.45	µg/kg wet							
N-MeFOSAA (NMeFOSAA)	ND	0.45	µg/kg wet							
Perfluorotetradecanoic acid (PFTA)	ND	0.45	µg/kg wet							
Perfluorotridecanoic acid (PFTrDA)	ND	0.45	µg/kg wet							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	0.45	µg/kg wet							
Perfluorodecanesulfonic acid (PFDS)	ND	0.45	µg/kg wet							
Perfluorooctanesulfonamide (FOSA)	ND	0.45	µg/kg wet							
Perfluorononanesulfonic acid (PFNS)	ND	0.45	µg/kg wet							
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.45	µg/kg wet							
Perfluoro-1-butanefulfonamide (FBSA)	ND	0.45	µg/kg wet							
Perfluorohexanesulfonic acid (PFHxS)	ND	0.45	µg/kg wet							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.45	µg/kg wet							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.45	µg/kg wet							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	0.45	µg/kg wet							
Perfluoropentanesulfonic acid (PFPeS)	ND	0.45	µg/kg wet							
Perfluoroundecanoic acid (PFUnA)	ND	0.45	µg/kg wet							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.45	µg/kg wet							
Perfluoroheptanoic acid (PFHpA)	ND	0.45	µg/kg wet							
Perfluorooctanoic acid (PFOA)	ND	0.45	µg/kg wet							
Perfluorooctanesulfonic acid (PFOS)	ND	0.45	µg/kg wet							
Perfluorononanoic acid (PFNA)	ND	0.45	µg/kg wet							

**LCS (B338518-BS1)**

Prepared: 05/03/23 Analyzed: 05/10/23

Perfluorobutanoic acid (PFBA)	2.17	0.43	µg/kg wet	2.17		99.9	71-135			
Perfluorobutanesulfonic acid (PFBS)	1.83	0.43	µg/kg wet	1.92		95.0	72-128			
Perfluoropentanoic acid (PFPeA)	2.01	0.43	µg/kg wet	2.17		92.5	69-132			
Perfluorohexanoic acid (PFHxA)	1.98	0.43	µg/kg wet	2.17		91.0	70-132			
11Cl-PF3OUdS (F53B Major)	2.18	0.43	µg/kg wet	2.05		107	41.8-128			
9Cl-PF3ONS (F53B Minor)	1.96	0.43	µg/kg wet	2.03		96.6	51.1-141			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.08	0.43	µg/kg wet	2.05		102	55.2-122			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	2.64	0.43	µg/kg wet	2.17		121	27.6-137			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	2.18	0.43	µg/kg wet	2.09		104	65-137			
Perfluorodecanoic acid (PFDA)	2.24	0.43	µg/kg wet	2.17		103	69-133			
Perfluorododecanoic acid (PFDoA)	2.04	0.43	µg/kg wet	2.17		94.0	69-135			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	1.66	0.43	µg/kg wet	1.94		85.7	56.7-133			



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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B338518 - SOP 465-PFAAS**
**LCS (B338518-BS1)**

Prepared: 05/03/23 Analyzed: 05/10/23

Perfluoroheptanesulfonic acid (PFHpS)	1.83	0.43	µg/kg wet	2.08		88.1	70-132			
N-EtFOSAA (NEtFOSAA)	2.49	0.43	µg/kg wet	2.17		115	61-139			
N-MeFOSAA (NMeFOSAA)	2.16	0.43	µg/kg wet	2.17		99.4	63-144			
Perfluorotetradecanoic acid (PFTA)	2.13	0.43	µg/kg wet	2.17		97.9	69-133			
Perfluorotridecanoic acid (PFTTrDA)	2.06	0.43	µg/kg wet	2.17		94.6	66-139			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.94	0.43	µg/kg wet	2.04		95.3	62-145			
Perfluorodecanesulfonic acid (PFDS)	1.76	0.43	µg/kg wet	2.10		84.0	59-134			
Perfluorooctanesulfonamide (FOSA)	1.97	0.43	µg/kg wet	2.17		90.7	67-137			
Perfluorononanesulfonic acid (PFNS)	1.87	0.43	µg/kg wet	2.09		89.5	69-125			
Perfluoro-1-hexanesulfonamide (FHxSA)	1.99	0.43	µg/kg wet	2.17		91.5	51.4-142			
Perfluoro-1-butanefulfonamide (FBSA)	2.10	0.43	µg/kg wet	2.17		96.6	53.5-129			
Perfluorohexanesulfonic acid (PFHxS)	1.88	0.43	µg/kg wet	1.99		94.5	67-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	1.97	0.43	µg/kg wet	2.17		90.6	57.8-127			
Perfluoro-5-oxahexanoic acid (PFMBA)	1.92	0.43	µg/kg wet	2.17		88.3	56.5-132			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.70	0.43	µg/kg wet	2.07		82.4	64-140			
Perfluoropentanesulfonic acid (PFPeS)	1.96	0.43	µg/kg wet	2.04		95.9	73-123			
Perfluoroundecanoic acid (PFUnA)	1.99	0.43	µg/kg wet	2.17		91.7	64-136			
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	2.05	0.43	µg/kg wet	2.17		94.5	54.5-128			
Perfluoroheptanoic acid (PFHpA)	2.05	0.43	µg/kg wet	2.17		94.5	71-131			
Perfluorooctanoic acid (PFOA)	1.98	0.43	µg/kg wet	2.17		91.2	69-133			
Perfluorooctanesulfonic acid (PFOS)	1.95	0.43	µg/kg wet	2.01		97.0	68-136			
Perfluorononanoic acid (PFNA)	2.26	0.43	µg/kg wet	2.17		104	72-129			

**Matrix Spike (B338518-MS1)**

Source: 23D3154-01

Prepared: 05/03/23 Analyzed: 05/12/23

Perfluorobutanoic acid (PFBA)	5.41	0.92	µg/kg dry	4.63	ND	117	71-135			
Perfluorobutanesulfonic acid (PFBS)	4.59	0.92	µg/kg dry	4.10	ND	112	72-128			
Perfluoropentanoic acid (PFPeA)	5.36	0.92	µg/kg dry	4.63	ND	116	69-132			
Perfluorohexanoic acid (PFHxA)	4.92	0.92	µg/kg dry	4.63	ND	106	70-132			
11Cl-PF3OUdS (F53B Major)	4.69	0.92	µg/kg dry	4.37	ND	107	4.02-158			
9Cl-PF3ONS (F53B Minor)	4.81	0.92	µg/kg dry	4.32	ND	111	52.5-150			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.97	0.92	µg/kg dry	4.37	ND	90.9	50.7-124			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	5.47	0.92	µg/kg dry	4.63	ND	118	29.2-146			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	4.45	0.92	µg/kg dry	4.45	ND	99.9	65-137			
Perfluorodecanoic acid (PFDA)	5.12	0.92	µg/kg dry	4.63	ND	110	69-133			
Perfluorododecanoic acid (PFDoA)	5.02	0.92	µg/kg dry	4.63	ND	108	69-135			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	5.46	0.92	µg/kg dry	4.12	ND	132	60.7-135			
Perfluoroheptanesulfonic acid (PFHpS)	4.33	0.92	µg/kg dry	4.43	ND	97.7	70-132			
N-EtFOSAA (NEtFOSAA)	6.37	0.92	µg/kg dry	4.63	ND	137	61-139			
N-MeFOSAA (NMeFOSAA)	4.98	0.92	µg/kg dry	4.63	ND	108	63-144			
Perfluorotetradecanoic acid (PFTA)	4.65	0.92	µg/kg dry	4.63	ND	100	69-133			
Perfluorotridecanoic acid (PFTTrDA)	5.28	0.92	µg/kg dry	4.63	ND	114	66-139			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	4.59	0.92	µg/kg dry	4.34	ND	106	62-145			
Perfluorodecanesulfonic acid (PFDS)	4.45	0.92	µg/kg dry	4.47	ND	99.6	59-134			
Perfluorooctanesulfonamide (FOSA)	5.07	0.92	µg/kg dry	4.63	ND	109	67-137			
Perfluorononanesulfonic acid (PFNS)	4.75	0.92	µg/kg dry	4.45	ND	107	69-125			
Perfluoro-1-hexanesulfonamide (FHxSA)	5.21	0.92	µg/kg dry	4.63	ND	113	18.9-162			
Perfluoro-1-butanefulfonamide (FBSA)	5.29	0.92	µg/kg dry	4.63	ND	114	49.8-135			
Perfluorohexanesulfonic acid (PFHxS)	4.79	0.92	µg/kg dry	4.25	ND	113	67-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	5.02	0.92	µg/kg dry	4.63	ND	108	62-155			
Perfluoro-5-oxahexanoic acid (PFMBA)	5.10	0.92	µg/kg dry	4.63	ND	110	52.1-148			

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338518 - SOP 465-PFAAS</b>										
<b>Matrix Spike (B338518-MS1)</b>										
	<b>Source: 23D3154-01</b>			Prepared: 05/03/23 Analyzed: 05/12/23						
6:2 Fluorotelomersulfonic acid (6:2FTS A)	3.44	0.92	µg/kg dry	4.40	ND	78.2	64-140			
Perfluoropentanesulfonic acid (PFPeS)	4.97	0.92	µg/kg dry	4.36	ND	114	73-123			
Perfluoroundecanoic acid (PFUnA)	4.71	0.92	µg/kg dry	4.63	ND	102	64-136			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	5.94	0.92	µg/kg dry	4.63	ND	128	54.6-133			
Perfluoroheptanoic acid (PFHpA)	5.11	0.92	µg/kg dry	4.63	ND	110	71-131			
Perfluorooctanoic acid (PFOA)	5.30	0.92	µg/kg dry	4.63	ND	114	69-133			
Perfluorooctanesulfonic acid (PFOS)	4.62	0.92	µg/kg dry	4.28	ND	108	68-136			
Perfluorononanoic acid (PFNA)	5.62	0.92	µg/kg dry	4.63	ND	121	72-129			
<b>Matrix Spike Dup (B338518-MSD1)</b>										
	<b>Source: 23D3154-01</b>			Prepared: 05/03/23 Analyzed: 05/12/23						
Perfluorobutanoic acid (PFBA)	6.13	0.90	µg/kg dry	4.57	ND	134	71-135	12.3	30	
Perfluorobutanesulfonic acid (PFBS)	5.00	0.90	µg/kg dry	4.04	ND	124	72-128	8.62	30	
Perfluoropentanoic acid (PFPeA)	6.02	0.90	µg/kg dry	4.57	ND	132	69-132	11.7	30	
Perfluorohexanoic acid (PFHxA)	5.70	0.90	µg/kg dry	4.57	ND	125	70-132	14.6	30	
11Cl-PF3OUdS (F53B Major)	5.36	0.90	µg/kg dry	4.30	ND	124	4.02-158	13.3	30	
9Cl-PF3ONS (F53B Minor)	5.34	0.90	µg/kg dry	4.26	ND	125	52.5-150	10.4	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	4.67	0.90	µg/kg dry	4.30	ND	109	50.7-124	16.3	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	5.72	0.90	µg/kg dry	4.57	ND	125	29.2-146	4.37	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	5.30	0.90	µg/kg dry	4.39	ND	121	65-137	17.5	30	
<b>Perfluorodecanoic acid (PFDA)</b>	6.17	0.90	µg/kg dry	4.57	ND	<b>135</b>	* 69-133	18.6	30	MS-22
Perfluorododecanoic acid (PFDoA)	6.08	0.90	µg/kg dry	4.57	ND	133	69-135	19.1	30	
<b>Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)</b>	5.86	0.90	µg/kg dry	4.07	ND	<b>144</b>	* 60.7-135	6.93	30	MS-22
Perfluoroheptanesulfonic acid (PFHpS)	4.64	0.90	µg/kg dry	4.37	ND	106	70-132	7.03	30	
<b>N-EtFOSAA (NEtFOSAA)</b>	7.18	0.90	µg/kg dry	4.57	ND	<b>157</b>	* 61-139	12.0	30	MS-22
N-MeFOSAA (NMeFOSAA)	5.15	0.90	µg/kg dry	4.57	ND	113	63-144	3.28	30	
Perfluorotetradecanoic acid (PFTA)	5.67	0.90	µg/kg dry	4.57	ND	124	69-133	19.9	30	
Perfluorotridecanoic acid (PFTrDA)	5.84	0.90	µg/kg dry	4.57	ND	128	66-139	10.0	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	5.20	0.90	µg/kg dry	4.28	ND	122	62-145	12.4	30	
Perfluorodecanesulfonic acid (PFDS)	4.94	0.90	µg/kg dry	4.40	ND	112	59-134	10.5	30	
Perfluorooctanesulfonamide (FOSA)	5.68	0.90	µg/kg dry	4.57	ND	124	67-137	11.4	30	
<b>Perfluorononanesulfonic acid (PFNS)</b>	5.54	0.90	µg/kg dry	4.39	ND	<b>126</b>	* 69-125	15.3	30	MS-22
Perfluoro-1-hexanesulfonamide (FHxSA)	6.23	0.90	µg/kg dry	4.57	ND	136	18.9-162	17.7	30	
Perfluoro-1-butanesulfonamide (FBSA)	5.89	0.90	µg/kg dry	4.57	ND	129	49.8-135	10.8	30	
Perfluorohexanesulfonic acid (PFHxS)	5.14	0.90	µg/kg dry	4.18	ND	123	67-130	7.01	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	5.76	0.90	µg/kg dry	4.57	ND	126	62-155	13.7	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	5.76	0.90	µg/kg dry	4.57	ND	126	52.1-148	12.1	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	5.00	0.90	µg/kg dry	4.34	ND	115	64-140	<b>36.8</b>	* 30	R-06
<b>Perfluoropentanesulfonic acid (PFPeS)</b>	5.30	0.90	µg/kg dry	4.29	ND	<b>124</b>	* 73-123	6.53	30	MS-22
Perfluoroundecanoic acid (PFUnA)	5.17	0.90	µg/kg dry	4.57	ND	113	64-136	9.37	30	
<b>Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)</b>	6.68	0.90	µg/kg dry	4.57	ND	<b>146</b>	* 54.6-133	11.7	30	MS-22
<b>Perfluoroheptanoic acid (PFHpA)</b>	6.07	0.90	µg/kg dry	4.57	ND	<b>133</b>	* 71-131	17.1	30	MS-22
<b>Perfluorooctanoic acid (PFOA)</b>	6.53	0.90	µg/kg dry	4.57	ND	<b>143</b>	* 69-133	20.9	30	MS-22
Perfluorooctanesulfonic acid (PFOS)	5.68	0.90	µg/kg dry	4.22	ND	135	68-136	20.7	30	
Perfluorononanoic acid (PFNA)	5.87	0.90	µg/kg dry	4.57	ND	128	72-129	4.32	30	

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B339724 - SOP 465-PFAAS**
**Blank (B339724-BLK1)**

Prepared: 05/15/23 Analyzed: 05/16/23

Perfluorobutanoic acid (PFBA)	ND	0.43	µg/kg wet							
Perfluorobutanesulfonic acid (PFBS)	ND	0.43	µg/kg wet							
Perfluoropentanoic acid (PFPeA)	ND	0.43	µg/kg wet							
Perfluorohexanoic acid (PFHxA)	ND	0.43	µg/kg wet							
11Cl-PF3OUdS (F53B Major)	ND	0.43	µg/kg wet							
9Cl-PF3ONS (F53B Minor)	ND	0.43	µg/kg wet							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.43	µg/kg wet							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.43	µg/kg wet							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	0.43	µg/kg wet							
Perfluorodecanoic acid (PFDA)	ND	0.43	µg/kg wet							
Perfluorododecanoic acid (PFDoA)	ND	0.43	µg/kg wet							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	0.43	µg/kg wet							
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.43	µg/kg wet							
N-EtFOSAA (NEtFOSAA)	ND	0.43	µg/kg wet							
N-MeFOSAA (NMeFOSAA)	ND	0.43	µg/kg wet							
Perfluorotetradecanoic acid (PFTA)	ND	0.43	µg/kg wet							
Perfluorotridecanoic acid (PFTrDA)	ND	0.43	µg/kg wet							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	0.43	µg/kg wet							
Perfluorodecanesulfonic acid (PFDS)	ND	0.43	µg/kg wet							
Perfluorooctanesulfonamide (FOSA)	ND	0.43	µg/kg wet							
Perfluorononanesulfonic acid (PFNS)	ND	0.43	µg/kg wet							
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.43	µg/kg wet							
Perfluoro-1-butanefulfonamide (FBSA)	ND	0.43	µg/kg wet							
Perfluorohexanesulfonic acid (PFHxS)	ND	0.43	µg/kg wet							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.43	µg/kg wet							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.43	µg/kg wet							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	0.43	µg/kg wet							
Perfluoropentanesulfonic acid (PFPeS)	ND	0.43	µg/kg wet							
Perfluoroundecanoic acid (PFUnA)	ND	0.43	µg/kg wet							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.43	µg/kg wet							
Perfluoroheptanoic acid (PFHpA)	ND	0.43	µg/kg wet							
Perfluorooctanoic acid (PFOA)	ND	0.43	µg/kg wet							
Perfluorooctanesulfonic acid (PFOS)	ND	0.43	µg/kg wet							
Perfluorononanoic acid (PFNA)	ND	0.43	µg/kg wet							

**LCS (B339724-BS1)**

Prepared: 05/15/23 Analyzed: 05/16/23

Perfluorobutanoic acid (PFBA)	1.96	0.42	µg/kg wet	2.13		92.3	71-135			
Perfluorobutanesulfonic acid (PFBS)	1.64	0.42	µg/kg wet	1.88		87.2	72-128			
Perfluoropentanoic acid (PFPeA)	1.94	0.42	µg/kg wet	2.13		91.3	69-132			
Perfluorohexanoic acid (PFHxA)	1.96	0.42	µg/kg wet	2.13		92.4	70-132			
11Cl-PF3OUdS (F53B Major)	1.68	0.42	µg/kg wet	2.00		83.9	41.8-128			
9Cl-PF3ONS (F53B Minor)	1.56	0.42	µg/kg wet	1.98		78.6	51.1-141			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.66	0.42	µg/kg wet	2.00		82.8	55.2-122			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.51	0.42	µg/kg wet	2.13		71.1	27.6-137			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.83	0.42	µg/kg wet	2.04		89.5	65-137			
Perfluorodecanoic acid (PFDA)	2.02	0.42	µg/kg wet	2.13		95.1	69-133			
Perfluorododecanoic acid (PFDoA)	1.77	0.42	µg/kg wet	2.13		83.5	69-135			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	1.98	0.42	µg/kg wet	1.89		105	56.7-133			

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B339724 - SOP 465-PFAAS</b>										
<b>LCS (B339724-BS1)</b>										
Prepared: 05/15/23 Analyzed: 05/16/23										
Perfluoroheptanesulfonic acid (PFHpS)	1.69	0.42	µg/kg wet	2.03		83.4	70-132			
N-EtFOSAA (NEtFOSAA)	2.01	0.42	µg/kg wet	2.13		94.7	61-139			
N-MeFOSAA (NMeFOSAA)	1.84	0.42	µg/kg wet	2.13		86.5	63-144			
Perfluorotetradecanoic acid (PFTA)	1.76	0.42	µg/kg wet	2.13		82.7	69-133			
Perfluorotridecanoic acid (PFTrDA)	1.97	0.42	µg/kg wet	2.13		92.7	66-139			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.88	0.42	µg/kg wet	1.99		94.3	62-145			
Perfluorodecanesulfonic acid (PFDS)	2.04	0.42	µg/kg wet	2.05		99.5	59-134			
Perfluorooctanesulfonamide (FOSA)	1.83	0.42	µg/kg wet	2.13		86.2	67-137			
Perfluorononanesulfonic acid (PFNS)	1.59	0.42	µg/kg wet	2.04		77.9	69-125			
Perfluoro-1-hexanesulfonamide (FHxSA)	2.24	0.42	µg/kg wet	2.13		106	51.4-142			
Perfluoro-1-butanefulfonamide (FBSA)	2.07	0.42	µg/kg wet	2.13		97.4	53.5-129			
Perfluorohexanesulfonic acid (PFHxS)	1.77	0.42	µg/kg wet	1.95		91.1	67-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	2.00	0.42	µg/kg wet	2.13		93.9	57.8-127			
Perfluoro-5-oxahexanoic acid (PFMBA)	1.84	0.42	µg/kg wet	2.13		86.5	56.5-132			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.44	0.42	µg/kg wet	2.02		71.5	64-140			
Perfluoropentanesulfonic acid (PFPeS)	1.68	0.42	µg/kg wet	2.00		84.1	73-123			
Perfluoroundecanoic acid (PFUnA)	1.95	0.42	µg/kg wet	2.13		91.5	64-136			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.91	0.42	µg/kg wet	2.13		90.0	54.5-128			
Perfluoroheptanoic acid (PFHpA)	2.01	0.42	µg/kg wet	2.13		94.5	71-131			
Perfluorooctanoic acid (PFOA)	1.94	0.42	µg/kg wet	2.13		91.1	69-133			
Perfluorooctanesulfonic acid (PFOS)	1.68	0.42	µg/kg wet	1.96		85.6	68-136			
Perfluorononanoic acid (PFNA)	1.91	0.42	µg/kg wet	2.13		89.7	72-129			

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
PF-18	Duplicate analysis confirmed Extracted Internal Standard failure due to matrix effects.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
S-29	Extracted Internal Standard is outside of control limits.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-01A-20230425 (23D3154-01 )</b>			Lab File ID: 23D3154-01.d			Analyzed: 05/12/23 07:49			
M8FOSA	176884.1	4.05255	232,606.00	4.052516	76	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	47748.51	2.537883	78,799.00	2.4886	61	50 - 150	0.0493	+/-0.50	
M2PF <sub>T</sub> A	488279.1	4.305367	639,112.00	4.27305	76	50 - 150	0.0323	+/-0.50	
M2-8:2FTS	45632.58	3.802817	65,957.00	3.778883	69	50 - 150	0.0239	+/-0.50	
MPFBA	399614.6	1.100017	525,734.00	1.075083	76	50 - 150	0.0249	+/-0.50	
M3HFPO-DA	91168.3	2.872033	135,411.00	2.822933	67	50 - 150	0.0491	+/-0.50	
M6PFDA	357901.1	3.803333	488,184.00	3.779417	73	50 - 150	0.0239	+/-0.50	
M3PFBS	101748.2	1.9364	144,937.00	1.894967	70	50 - 150	0.0414	+/-0.50	
M7PFUnA	355903.9	3.93805	445,936.00	3.914067	80	50 - 150	0.0240	+/-0.50	
M2-6:2FTS	26466.85	3.461417	40,257.00	3.4373	66	50 - 150	0.0241	+/-0.50	
M5PFPeA	318785.6	1.757717	449,031.00	1.714833	71	50 - 150	0.0429	+/-0.50	
M5PFHxA	520932.9	2.621617	800,305.00	2.572333	65	50 - 150	0.0493	+/-0.50	
M3PFHxS	69638.17	3.242583	107,652.00	3.21025	65	50 - 150	0.0323	+/-0.50	
M4PFHpA	532015.5	3.2031	856,297.00	3.178867	62	50 - 150	0.0242	+/-0.50	
M8PFOA	478677.6	3.469933	837,098.00	3.445833	57	50 - 150	0.0241	+/-0.50	
M8PFOS	58554.93	3.652167	80,920.00	3.6282	72	50 - 150	0.0240	+/-0.50	
M9PFNA	356618.1	3.653217	541,836.00	3.629233	66	50 - 150	0.0240	+/-0.50	
MPFDoA	339208	4.072683	405,476.00	4.040683	84	50 - 150	0.0320	+/-0.50	
D5-NEtFOSAA	74769.98	3.945533	115,737.00	3.921533	65	50 - 150	0.0240	+/-0.50	
D3-NMeFOSAA	101390.2	3.873783	132,342.00	3.8497	77	50 - 150	0.0241	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-02A-20230425 (23D3154-02 )</b>			Lab File ID: 23D3154-02.d			Analyzed: 05/12/23 08:12			
M8FOSA	176702.7	4.052516	232,606.00	4.052533	76	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	45522.02	2.537883	78,799.00	2.529667	58	50 - 150	0.0082	+/-0.50	
M2PFTA	534426.8	4.30535	639,112.00	4.30535	84	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	42798.95	3.8028	65,957.00	3.8028	65	50 - 150	0.0000	+/-0.50	
MPFBA	346769	1.100017	525,734.00	1.0917	66	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	103520.8	2.872033	135,411.00	2.872033	76	50 - 150	0.0000	+/-0.50	
M6PFDA	419950.6	3.803317	488,184.00	3.803317	86	50 - 150	0.0000	+/-0.50	
M3PFBS	94915.2	1.9364	144,937.00	1.928117	65	50 - 150	0.0083	+/-0.50	
M7PFUnA	404138.6	3.93805	445,936.00	3.93805	91	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	24318.1	3.461417	40,257.00	3.461417	60	50 - 150	0.0000	+/-0.50	
M5PFPeA	292742.3	1.749417	449,031.00	1.749417	65	50 - 150	0.0000	+/-0.50	
M5PFHxA	526754.4	2.621617	800,305.00	2.621617	66	50 - 150	0.0000	+/-0.50	
M3PFHxS	75814.4	3.242583	107,652.00	3.2345	70	50 - 150	0.0081	+/-0.50	
M4PFHpA	550832.8	3.203083	856,297.00	3.203083	64	50 - 150	0.0000	+/-0.50	
M8PFOA	519019.6	3.469933	837,098.00	3.469917	62	50 - 150	0.0000	+/-0.50	
M8PFOS	59259.11	3.652167	80,920.00	3.65215	73	50 - 150	0.0000	+/-0.50	
M9PFNA	406767.3	3.6532	541,836.00	3.6532	75	50 - 150	0.0000	+/-0.50	
MPFDoA	347651.7	4.072667	405,476.00	4.072667	86	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	86253.52	3.945517	115,737.00	3.945517	75	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	97486.05	3.873767	132,342.00	3.873783	74	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-03A-20230425 (23D3154-03 )</b>			Lab File ID: 23D3154-03.d			Analyzed: 05/12/23 08:19			
M8FOSA	264977.9	4.052533	232,606.00	4.052533	114	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	58070.26	2.537883	78,799.00	2.529667	74	50 - 150	0.0082	+/-0.50	
M2PF <sub>TA</sub>	415091.6	4.305367	639,112.00	4.30535	65	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	53406.07	3.802817	65,957.00	3.8028	81	50 - 150	0.0000	+/-0.50	
MPF <sub>BA</sub>	569651.8	1.100017	525,734.00	1.0917	108	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	119171.5	2.87205	135,411.00	2.872033	88	50 - 150	0.0000	+/-0.50	
M6PF <sub>DA</sub>	453511.9	3.803333	488,184.00	3.803317	93	50 - 150	0.0000	+/-0.50	
M3PF <sub>B</sub> S	125227.9	1.9364	144,937.00	1.928117	86	50 - 150	0.0083	+/-0.50	
M7PF <sub>U</sub> nA	440019.7	3.93805	445,936.00	3.93805	99	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	32780.08	3.461433	40,257.00	3.461417	81	50 - 150	0.0000	+/-0.50	
M5PF <sub>Pe</sub> A	422713.5	1.757717	449,031.00	1.749417	94	50 - 150	0.0083	+/-0.50	
M5PF <sub>Hx</sub> A	656651.2	2.621617	800,305.00	2.621617	82	50 - 150	0.0000	+/-0.50	
M3PF <sub>Hx</sub> S	92130.95	3.2426	107,652.00	3.2345	86	50 - 150	0.0081	+/-0.50	
M4PF <sub>Hp</sub> A	668654.9	3.211467	856,297.00	3.203083	78	50 - 150	0.0084	+/-0.50	
M8PF <sub>OA</sub>	622080.6	3.469933	837,098.00	3.469917	74	50 - 150	0.0000	+/-0.50	
M8PF <sub>OS</sub>	73467.39	3.652167	80,920.00	3.65215	91	50 - 150	0.0000	+/-0.50	
M9PF <sub>NA</sub>	423091.8	3.653217	541,836.00	3.6532	78	50 - 150	0.0000	+/-0.50	
MPF <sub>Do</sub> A	374475.6	4.072683	405,476.00	4.072667	92	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	79439.59	3.945533	115,737.00	3.945517	69	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	122606.7	3.873783	132,342.00	3.873783	93	50 - 150	0.0000	+/-0.50	



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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-04A-20230425 (23D3154-04 )</b>			Lab File ID: 23D3154-04.d			Analyzed: 05/12/23 08:26			
M8FOSA	195409.1	4.052533	232,606.00	4.052533	84	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	57935.1	2.537883	78,799.00	2.529667	74	50 - 150	0.0082	+/-0.50	
M2PFTA	373229.7	4.305367	639,112.00	4.30535	58	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	42613.3	3.802817	65,957.00	3.8028	65	50 - 150	0.0000	+/-0.50	
MPFBA	537387.4	1.100017	525,734.00	1.0917	102	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	132456.8	2.872033	135,411.00	2.872033	98	50 - 150	0.0000	+/-0.50	
M6PFDA	387843.9	3.803333	488,184.00	3.803317	79	50 - 150	0.0000	+/-0.50	
M3PFBS	127690.9	1.9364	144,937.00	1.928117	88	50 - 150	0.0083	+/-0.50	
M7PFUnA	357839.2	3.938067	445,936.00	3.93805	80	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	34025.11	3.461417	40,257.00	3.461417	85	50 - 150	0.0000	+/-0.50	
M5PFPeA	418025.3	1.757717	449,031.00	1.749417	93	50 - 150	0.0083	+/-0.50	
M5PFHxA	643443.6	2.621617	800,305.00	2.621617	80	50 - 150	0.0000	+/-0.50	
M3PFHxS	83997.74	3.242583	107,652.00	3.2345	78	50 - 150	0.0081	+/-0.50	
M4PFHpA	650112.9	3.21145	856,297.00	3.203083	76	50 - 150	0.0084	+/-0.50	
M8PFOA	564926.3	3.477917	837,098.00	3.469917	67	50 - 150	0.0080	+/-0.50	
M8PFOS	67817.92	3.652167	80,920.00	3.65215	84	50 - 150	0.0000	+/-0.50	
M9PFNA	360050.8	3.6532	541,836.00	3.6532	66	50 - 150	0.0000	+/-0.50	
MPFDoA	300766.9	4.072683	405,476.00	4.072667	74	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	74252.09	3.945533	115,737.00	3.945517	64	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	106602.4	3.8738	132,342.00	3.873783	81	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-05-20230425 (23D3154-05 )</b>			Lab File ID: 23D3154-05.d			Analyzed: 05/12/23 08:33			
M8FOSA	199454.3	4.052516	232,606.00	4.052533	86	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	55694.55	2.537883	78,799.00	2.529667	71	50 - 150	0.0082	+/-0.50	
M2PF <sub>T</sub> A	473075.3	4.305333	639,112.00	4.30535	74	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	51344.77	3.8028	65,957.00	3.8028	78	50 - 150	0.0000	+/-0.50	
MPFBA	526267.8	1.100017	525,734.00	1.0917	100	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	121010.1	2.872033	135,411.00	2.872033	89	50 - 150	0.0000	+/-0.50	
M6PFDA	419046.1	3.803317	488,184.00	3.803317	86	50 - 150	0.0000	+/-0.50	
M3PFBS	130818.8	1.9364	144,937.00	1.928117	90	50 - 150	0.0083	+/-0.50	
M7PFUnA	408208.1	3.938033	445,936.00	3.93805	92	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	30518.58	3.4614	40,257.00	3.461417	76	50 - 150	0.0000	+/-0.50	
M5PFPeA	411440	1.757717	449,031.00	1.749417	92	50 - 150	0.0083	+/-0.50	
M5PFHxA	636352.7	2.621617	800,305.00	2.621617	80	50 - 150	0.0000	+/-0.50	
M3PFHxS	84289.58	3.242583	107,652.00	3.2345	78	50 - 150	0.0081	+/-0.50	
M4PFHpA	649536.1	3.203083	856,297.00	3.203083	76	50 - 150	0.0000	+/-0.50	
M8PFOA	596252.6	3.469917	837,098.00	3.469917	71	50 - 150	0.0000	+/-0.50	
M8PFOS	72337.71	3.65215	80,920.00	3.65215	89	50 - 150	0.0000	+/-0.50	
M9PFNA	426832.8	3.653183	541,836.00	3.6532	79	50 - 150	0.0000	+/-0.50	
MPFDoA	357985.8	4.07265	405,476.00	4.072667	88	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	81767.29	3.9455	115,737.00	3.945517	71	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	114699.9	3.873767	132,342.00	3.873783	87	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-06-20230425 (23D3154-06 )</b>									
			Lab File ID: 23D3154-06.d			Analyzed: 05/12/23 08:41			
M8FOSA	180046.1	4.052533	232,606.00	4.052533	77	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	52309.38	2.537883	78,799.00	2.529667	66	50 - 150	0.0082	+/-0.50	
M2PFTA	422754.7	4.30535	639,112.00	4.30535	66	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	46118.51	3.8028	65,957.00	3.8028	70	50 - 150	0.0000	+/-0.50	
MPFBA	435928.8	1.100017	525,734.00	1.0917	83	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	110773.4	2.872033	135,411.00	2.872033	82	50 - 150	0.0000	+/-0.50	
M6PFDA	399330.8	3.803317	488,184.00	3.803317	82	50 - 150	0.0000	+/-0.50	
M3PFBS	107534	1.9364	144,937.00	1.928117	74	50 - 150	0.0083	+/-0.50	
M7PFUnA	346959.3	3.93805	445,936.00	3.93805	78	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	26979.1	3.461417	40,257.00	3.461417	67	50 - 150	0.0000	+/-0.50	
M5PFPeA	348957.5	1.757717	449,031.00	1.749417	78	50 - 150	0.0083	+/-0.50	
M5PFHxA	554269.6	2.621617	800,305.00	2.621617	69	50 - 150	0.0000	+/-0.50	
M3PFHxS	74384.02	3.242583	107,652.00	3.2345	69	50 - 150	0.0081	+/-0.50	
M4PFHpA	561443.4	3.203083	856,297.00	3.203083	66	50 - 150	0.0000	+/-0.50	
M8PFOA	500423.3	3.469917	837,098.00	3.469917	60	50 - 150	0.0000	+/-0.50	
M8PFOS	62985.82	3.652167	80,920.00	3.65215	78	50 - 150	0.0000	+/-0.50	
M9PFNA	336984.3	3.6532	541,836.00	3.6532	62	50 - 150	0.0000	+/-0.50	
MPFDoA	318693	4.072667	405,476.00	4.072667	79	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	69105.15	3.945517	115,737.00	3.945517	60	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	102275.3	3.873783	132,342.00	3.873783	77	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-07-20230425 (23D3154-07 )</b>			Lab File ID: 23D3154-07.d			Analyzed: 05/12/23 08:48			
M8FOSA	210217.4	4.052516	232,606.00	4.052533	90	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	70638.84	2.537883	78,799.00	2.529667	90	50 - 150	0.0082	+/-0.50	
M2PF <sub>T</sub> A	655530.9	4.30535	639,112.00	4.30535	103	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	57487.57	3.8028	65,957.00	3.8028	87	50 - 150	0.0000	+/-0.50	
MPFBA	647716	1.100017	525,734.00	1.0917	123	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	137683.4	2.872033	135,411.00	2.872033	102	50 - 150	0.0000	+/-0.50	
M6PFDA	455739.9	3.803317	488,184.00	3.803317	93	50 - 150	0.0000	+/-0.50	
M3PFBS	162747	1.9364	144,937.00	1.928117	112	50 - 150	0.0083	+/-0.50	
M7PFUnA	444495	3.938033	445,936.00	3.93805	100	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	42221.57	3.4614	40,257.00	3.461417	105	50 - 150	0.0000	+/-0.50	
M5PFPeA	515402.9	1.757717	449,031.00	1.749417	115	50 - 150	0.0083	+/-0.50	
M5PFHxA	826664.6	2.621617	800,305.00	2.621617	103	50 - 150	0.0000	+/-0.50	
M3PFHxS	114235.9	3.242583	107,652.00	3.2345	106	50 - 150	0.0081	+/-0.50	
M4PFHpA	832434	3.203083	856,297.00	3.203083	97	50 - 150	0.0000	+/-0.50	
M8PFOA	699787.6	3.469917	837,098.00	3.469917	84	50 - 150	0.0000	+/-0.50	
M8PFOS	86571.88	3.65215	80,920.00	3.65215	107	50 - 150	0.0000	+/-0.50	
M9PFNA	478257.3	3.653183	541,836.00	3.6532	88	50 - 150	0.0000	+/-0.50	
MPFDoA	395732.4	4.07265	405,476.00	4.072667	98	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	93632.41	3.9455	115,737.00	3.945517	81	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	116701	3.873767	132,342.00	3.873783	88	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-08-20230425 (23D3154-08 )</b>			Lab File ID: 23D3154-08.d			Analyzed: 05/12/23 08:55			
M8FOSA	201082.5	4.052516	232,606.00	4.052533	86	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	55125.2	2.537883	78,799.00	2.529667	70	50 - 150	0.0082	+/-0.50	
M2PF <sub>TA</sub>	242774	4.30535	639,112.00	4.30535	38	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	46457.65	3.8028	65,957.00	3.8028	70	50 - 150	0.0000	+/-0.50	
MPFBA	491899.6	1.100017	525,734.00	1.0917	94	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	111453.8	2.872033	135,411.00	2.872033	82	50 - 150	0.0000	+/-0.50	
M6PFDA	371546	3.803317	488,184.00	3.803317	76	50 - 150	0.0000	+/-0.50	
M3PFBS	111202.1	1.9364	144,937.00	1.928117	77	50 - 150	0.0083	+/-0.50	
M7PFUnA	364923.6	3.93805	445,936.00	3.93805	82	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	28590.17	3.461417	40,257.00	3.461417	71	50 - 150	0.0000	+/-0.50	
M5PFPeA	365026.7	1.757717	449,031.00	1.749417	81	50 - 150	0.0083	+/-0.50	
M5PFHxA	576685.5	2.621617	800,305.00	2.621617	72	50 - 150	0.0000	+/-0.50	
M3PFHxS	77461.11	3.242583	107,652.00	3.2345	72	50 - 150	0.0081	+/-0.50	
M4PFHpA	573534	3.2031	856,297.00	3.203083	67	50 - 150	0.0000	+/-0.50	
M8PFOA	479347.7	3.469933	837,098.00	3.469917	57	50 - 150	0.0000	+/-0.50	
M8PFOS	56776.56	3.652167	80,920.00	3.65215	70	50 - 150	0.0000	+/-0.50	
M9PFNA	332956.6	3.6532	541,836.00	3.6532	61	50 - 150	0.0000	+/-0.50	
MPFDoA	267317	4.072667	405,476.00	4.072667	66	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	48676.45	3.945517	115,737.00	3.945517	42	50 - 150	0.0000	+/-0.50	*
D3-NMeFOSAA	76979.19	3.873767	132,342.00	3.873783	58	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-09-20230425 (23D3154-09 )</b>									
			Lab File ID: 23D3154-09.d			Analyzed: 05/12/23 09:02			
M8FOSA	173898.8	4.052516	232,606.00	4.052533	75	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	44886.68	2.537883	78,799.00	2.529667	57	50 - 150	0.0082	+/-0.50	
M2PF <sub>TA</sub>	95646.2	4.30535	639,112.00	4.30535	15	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	39550.93	3.8028	65,957.00	3.8028	60	50 - 150	0.0000	+/-0.50	
MPF <sub>BA</sub>	420863.6	1.100017	525,734.00	1.0917	80	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	101786.9	2.872033	135,411.00	2.872033	75	50 - 150	0.0000	+/-0.50	
M6PF <sub>DA</sub>	337596.3	3.803317	488,184.00	3.803317	69	50 - 150	0.0000	+/-0.50	
M3PF <sub>BS</sub>	106453.7	1.9364	144,937.00	1.928117	73	50 - 150	0.0083	+/-0.50	
M7PF <sub>UnA</sub>	273477.4	3.938033	445,936.00	3.93805	61	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	25646.56	3.461417	40,257.00	3.461417	64	50 - 150	0.0000	+/-0.50	
M5PF <sub>PeA</sub>	336842.6	1.757717	449,031.00	1.749417	75	50 - 150	0.0083	+/-0.50	
M5PF <sub>HxA</sub>	530365.3	2.629833	800,305.00	2.621617	66	50 - 150	0.0082	+/-0.50	
M3PF <sub>HxS</sub>	71006.82	3.242583	107,652.00	3.2345	66	50 - 150	0.0081	+/-0.50	
M4PF <sub>HpA</sub>	533150.5	3.21145	856,297.00	3.203083	62	50 - 150	0.0084	+/-0.50	
M8PF <sub>OA</sub>	462030.3	3.4779	837,098.00	3.469917	55	50 - 150	0.0080	+/-0.50	
M8PF <sub>OS</sub>	55688.65	3.65215	80,920.00	3.65215	69	50 - 150	0.0000	+/-0.50	
M9PF <sub>NA</sub>	323133.1	3.661183	541,836.00	3.6532	60	50 - 150	0.0080	+/-0.50	
MPF <sub>DoA</sub>	200720.4	4.072667	405,476.00	4.072667	50	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	37000.66	3.945517	115,737.00	3.945517	32	50 - 150	0.0000	+/-0.50	*
D3-NMeFOSAA	60525.8	3.873767	132,342.00	3.873783	46	50 - 150	0.0000	+/-0.50	*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-10-20230425 (23D3154-10 )</b>			Lab File ID: 23D3154-10.d			Analyzed: 05/12/23 09:10			
M8FOSA	215769.7	4.052533	232,606.00	4.052533	93	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	62981.1	2.537883	78,799.00	2.529667	80	50 - 150	0.0082	+/-0.50	
M2PF <sub>TA</sub>	161322	4.305367	639,112.00	4.30535	25	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	51902.56	3.8028	65,957.00	3.8028	79	50 - 150	0.0000	+/-0.50	
MPFBA	538739.5	1.100017	525,734.00	1.0917	102	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	130249.4	2.872033	135,411.00	2.872033	96	50 - 150	0.0000	+/-0.50	
M6PFDA	437606.5	3.803333	488,184.00	3.803317	90	50 - 150	0.0000	+/-0.50	
M3PFBS	137334.6	1.9364	144,937.00	1.928117	95	50 - 150	0.0083	+/-0.50	
M7PFUnA	365633.7	3.93805	445,936.00	3.93805	82	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	33722.85	3.461417	40,257.00	3.461417	84	50 - 150	0.0000	+/-0.50	
M5PFPeA	429885.9	1.757717	449,031.00	1.749417	96	50 - 150	0.0083	+/-0.50	
M5PFHxA	670984.7	2.621617	800,305.00	2.621617	84	50 - 150	0.0000	+/-0.50	
M3PFHxS	88963.9	3.242583	107,652.00	3.2345	83	50 - 150	0.0081	+/-0.50	
M4PFHpA	679320.9	3.2031	856,297.00	3.203083	79	50 - 150	0.0000	+/-0.50	
M8PFOA	590593.8	3.469933	837,098.00	3.469917	71	50 - 150	0.0000	+/-0.50	
M8PFOS	74155.76	3.652167	80,920.00	3.65215	92	50 - 150	0.0000	+/-0.50	
M9PFNA	413602.7	3.6532	541,836.00	3.6532	76	50 - 150	0.0000	+/-0.50	
MPFDoA	307391.4	4.072683	405,476.00	4.072667	76	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	51314.63	3.945517	115,737.00	3.945517	44	50 - 150	0.0000	+/-0.50	*
D3-NMeFOSAA	82418	3.873783	132,342.00	3.873783	62	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-11-20230425 (23D3154-11 )</b>			Lab File ID: 23D3154-11.d			Analyzed: 05/12/23 09:17			
M8FOSA	190780.8	4.052533	232,606.00	4.052533	82	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	56893.11	2.537883	78,799.00	2.529667	72	50 - 150	0.0082	+/-0.50	
M2PFTA	449370.6	4.305367	639,112.00	4.30535	70	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	55807.01	3.802817	65,957.00	3.8028	85	50 - 150	0.0000	+/-0.50	
MPFBA	514467.8	1.100017	525,734.00	1.0917	98	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	120842.4	2.872033	135,411.00	2.872033	89	50 - 150	0.0000	+/-0.50	
M6PFDA	434438.2	3.803333	488,184.00	3.803317	89	50 - 150	0.0000	+/-0.50	
M3PFBS	122851.4	1.9364	144,937.00	1.928117	85	50 - 150	0.0083	+/-0.50	
M7PFUnA	394955	3.93805	445,936.00	3.93805	89	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	28893.45	3.461417	40,257.00	3.461417	72	50 - 150	0.0000	+/-0.50	
M5PFPeA	408014.8	1.757717	449,031.00	1.749417	91	50 - 150	0.0083	+/-0.50	
M5PFHxA	642584.8	2.621617	800,305.00	2.621617	80	50 - 150	0.0000	+/-0.50	
M3PFHxS	83677.56	3.2426	107,652.00	3.2345	78	50 - 150	0.0081	+/-0.50	
M4PFHpA	643144.7	3.2031	856,297.00	3.203083	75	50 - 150	0.0000	+/-0.50	
M8PFOA	542371.1	3.469933	837,098.00	3.469917	65	50 - 150	0.0000	+/-0.50	
M8PFOS	68352.65	3.652167	80,920.00	3.65215	84	50 - 150	0.0000	+/-0.50	
M9PFNA	373037.3	3.653217	541,836.00	3.6532	69	50 - 150	0.0000	+/-0.50	
MPFDoA	367686.8	4.072683	405,476.00	4.072667	91	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	74498.21	3.945533	115,737.00	3.945517	64	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	104414	3.873783	132,342.00	3.873783	79	50 - 150	0.0000	+/-0.50	



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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-12-20230425 (23D3154-12 )</b>									
			Lab File ID: 23D3154-12.d			Analyzed: 05/12/23 09:39			
M8FOSA	210709	4.052533	232,606.00	4.052533	91	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	69838.41	2.537883	78,799.00	2.529667	89	50 - 150	0.0082	+/-0.50	
M2PFTA	336253.9	4.30535	639,112.00	4.305367	53	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	55275.36	3.8028	65,957.00	3.8028	84	50 - 150	0.0000	+/-0.50	
MPFBA	550488.8	1.100017	525,734.00	1.0917	105	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	138867	2.872033	135,411.00	2.86385	103	50 - 150	0.0082	+/-0.50	
M6PFDA	450392.7	3.803333	488,184.00	3.803317	92	50 - 150	0.0000	+/-0.50	
M3PFBS	137091.7	1.9364	144,937.00	1.928117	95	50 - 150	0.0083	+/-0.50	
M7PFUnA	402037.1	3.93805	445,936.00	3.93805	90	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	42204.98	3.461417	40,257.00	3.461417	105	50 - 150	0.0000	+/-0.50	
M5PFPeA	448251	1.757717	449,031.00	1.749417	100	50 - 150	0.0083	+/-0.50	
M5PFHxA	748888.6	2.621617	800,305.00	2.621617	94	50 - 150	0.0000	+/-0.50	
M3PFHxS	103290.4	3.242583	107,652.00	3.2345	96	50 - 150	0.0081	+/-0.50	
M4PFHpA	794442.2	3.203083	856,297.00	3.2031	93	50 - 150	0.0000	+/-0.50	
M8PFOA	698987.4	3.469933	837,098.00	3.469933	84	50 - 150	0.0000	+/-0.50	
M8PFOS	75202.5	3.652167	80,920.00	3.652167	93	50 - 150	0.0000	+/-0.50	
M9PFNA	487881.7	3.6532	541,836.00	3.6532	90	50 - 150	0.0000	+/-0.50	
MPFDoA	304337.2	4.072667	405,476.00	4.072683	75	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	83319.84	3.945517	115,737.00	3.945533	72	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	103640.8	3.873783	132,342.00	3.873783	78	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>DUPLICATE-2023-04-25 (23D3154-13)</b>									
			Lab File ID: 23D3154-13.d			Analyzed: 05/12/23 09:46			
M8FOSA	215103.4	4.052533	232,606.00	4.052533	92	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	63254.18	2.537883	78,799.00	2.529667	80	50 - 150	0.0082	+/-0.50	
M2PF <sub>TA</sub>	264197.4	4.30535	639,112.00	4.305367	41	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	52009.95	3.8028	65,957.00	3.8028	79	50 - 150	0.0000	+/-0.50	
MPFBA	484127.1	1.100017	525,734.00	1.0917	92	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	135638.1	2.872033	135,411.00	2.86385	100	50 - 150	0.0082	+/-0.50	
M6PFDA	449845.4	3.803317	488,184.00	3.803317	92	50 - 150	0.0000	+/-0.50	
M3PFBS	131545.7	1.9364	144,937.00	1.928117	91	50 - 150	0.0083	+/-0.50	
M7PFUnA	398599.2	3.93805	445,936.00	3.93805	89	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	31069.53	3.461417	40,257.00	3.461417	77	50 - 150	0.0000	+/-0.50	
M5PFPeA	415171.4	1.757717	449,031.00	1.749417	92	50 - 150	0.0083	+/-0.50	
M5PFHxA	700445.9	2.621617	800,305.00	2.621617	88	50 - 150	0.0000	+/-0.50	
M3PFHxS	97377.48	3.242583	107,652.00	3.2345	90	50 - 150	0.0081	+/-0.50	
M4PFHpA	704842.6	3.2031	856,297.00	3.2031	82	50 - 150	0.0000	+/-0.50	
M8PFOA	664678.6	3.469933	837,098.00	3.469933	79	50 - 150	0.0000	+/-0.50	
M8PFOS	72730.89	3.652167	80,920.00	3.652167	90	50 - 150	0.0000	+/-0.50	
M9PFNA	467436.2	3.6532	541,836.00	3.6532	86	50 - 150	0.0000	+/-0.50	
MPFDoA	371658.8	4.072667	405,476.00	4.072683	92	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	72143.24	3.945517	115,737.00	3.945533	62	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	92678.42	3.873783	132,342.00	3.873783	70	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Blank (B338518-BLK1)</b>			Lab File ID: B338518-BLK1.d			Analyzed: 05/10/23 17:54			
M8FOSA	177312.8	4.044517	210,079.00	4.044533	84	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	56789.39	2.505033	68,102.00	2.496817	83	50 - 150	0.0082	+/-0.50	
M2PFTA	499453.7	4.281116	520,002.00	4.281133	96	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	42571.28	3.78685	48,895.00	3.786867	87	50 - 150	0.0000	+/-0.50	
MPFBA	446029.2	1.0834	477,413.00	1.0834	93	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	108989.9	2.8393	129,174.00	2.8393	84	50 - 150	0.0000	+/-0.50	
M6PFDA	349645.2	3.787383	392,781.00	3.7874	89	50 - 150	0.0000	+/-0.50	
M3PFBS	116462.2	1.911533	123,093.00	1.90325	95	50 - 150	0.0083	+/-0.50	
M7PFUnA	340306.7	3.92205	380,840.00	3.922067	89	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	27108.83	3.445283	32,650.00	3.445283	83	50 - 150	0.0000	+/-0.50	
M5PFPeA	332316.3	1.731383	363,549.00	1.7231	91	50 - 150	0.0083	+/-0.50	
M5PFHxA	516885	2.588767	603,066.00	2.588767	86	50 - 150	0.0000	+/-0.50	
M3PFHxS	75104.95	3.218333	90,122.00	3.218333	83	50 - 150	0.0000	+/-0.50	
M4PFHpA	524676.6	3.186933	622,459.00	3.186933	84	50 - 150	0.0000	+/-0.50	
M8PFOA	476654.9	3.453817	518,833.00	3.453817	92	50 - 150	0.0000	+/-0.50	
M8PFOS	58119.05	3.636183	69,191.00	3.636183	84	50 - 150	0.0000	+/-0.50	
M9PFNA	305775.3	3.637217	393,534.00	3.637233	78	50 - 150	0.0000	+/-0.50	
MPFDoA	286065.7	4.056667	343,270.00	4.056684	83	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	61330.38	3.929517	94,298.00	3.929533	65	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	90772.67	3.85765	113,062.00	3.857667	80	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>LCS (B338518-BS1 )</b>			Lab File ID: B338518-BS1.d			Analyzed: 05/10/23 17:47			
M8FOSA	119397.3	4.04455	210,079.00	4.044533	57	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	39015.23	2.505033	68,102.00	2.496817	57	50 - 150	0.0082	+/-0.50	
M2PFTA	304378.8	4.281133	520,002.00	4.281133	59	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	26086.37	3.786867	48,895.00	3.786867	53	50 - 150	0.0000	+/-0.50	
MPFBA	292795.4	1.0834	477,413.00	1.0834	61	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	64901.02	2.839317	129,174.00	2.8393	50	50 - 150	0.0000	+/-0.50	
M6PFDA	246450.2	3.7874	392,781.00	3.7874	63	50 - 150	0.0000	+/-0.50	
M3PFBS	75545.32	1.91155	123,093.00	1.90325	61	50 - 150	0.0083	+/-0.50	
M7PFUnA	226923	3.922067	380,840.00	3.922067	60	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	18478.57	3.4453	32,650.00	3.445283	57	50 - 150	0.0000	+/-0.50	
M5PFPeA	221285.8	1.723117	363,549.00	1.7231	61	50 - 150	0.0000	+/-0.50	
M5PFHxA	343239	2.588767	603,066.00	2.588767	57	50 - 150	0.0000	+/-0.50	
M3PFHxS	49327.86	3.218333	90,122.00	3.218333	55	50 - 150	0.0000	+/-0.50	
M4PFHpA	347199	3.18695	622,459.00	3.186933	56	50 - 150	0.0000	+/-0.50	
M8PFOA	307240	3.453817	518,833.00	3.453817	59	50 - 150	0.0000	+/-0.50	
M8PFOS	38503.25	3.6362	69,191.00	3.636183	56	50 - 150	0.0000	+/-0.50	
M9PFNA	195567.4	3.637233	393,534.00	3.637233	50	50 - 150	0.0000	+/-0.50	
MPFDoA	213185.3	4.056684	343,270.00	4.056684	62	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	42205.96	3.929533	94,298.00	3.929533	45	50 - 150	0.0000	+/-0.50	*
D3-NMeFOSAA	63449.46	3.857667	113,062.00	3.857667	56	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Matrix Spike (B338518-MS1 )</b>			Lab File ID: B338518-MS1.d			Analyzed: 05/12/23 07:35			
M8FOSA	185906.8	4.052516	232,606.00	4.052516	80	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	60362.06	2.537883	78,799.00	2.4886	77	50 - 150	0.0493	+/-0.50	
M2PF <sub>TA</sub>	445082.5	4.305367	639,112.00	4.27305	70	50 - 150	0.0323	+/-0.50	
M2-8:2FTS	43383.57	3.8028	65,957.00	3.778883	66	50 - 150	0.0239	+/-0.50	
MPF <sub>BA</sub>	479340.9	1.0917	525,734.00	1.075083	91	50 - 150	0.0166	+/-0.50	
M3HFPO-DA	125278.7	2.872033	135,411.00	2.822933	93	50 - 150	0.0491	+/-0.50	
M6PF <sub>DA</sub>	393827.9	3.803317	488,184.00	3.779417	81	50 - 150	0.0239	+/-0.50	
M3PF <sub>BS</sub>	118846	1.9364	144,937.00	1.894967	82	50 - 150	0.0414	+/-0.50	
M7PF <sub>UnA</sub>	373659.2	3.938033	445,936.00	3.914067	84	50 - 150	0.0240	+/-0.50	
M2-6:2FTS	35889.93	3.461417	40,257.00	3.4373	89	50 - 150	0.0241	+/-0.50	
M5PF <sub>PeA</sub>	382464.2	1.749417	449,031.00	1.714833	85	50 - 150	0.0346	+/-0.50	
M5PF <sub>HxA</sub>	621999.7	2.621617	800,305.00	2.572333	78	50 - 150	0.0493	+/-0.50	
M3PF <sub>HxS</sub>	79101.34	3.242583	107,652.00	3.21025	73	50 - 150	0.0323	+/-0.50	
M4PF <sub>HpA</sub>	647844.7	3.203083	856,297.00	3.178867	76	50 - 150	0.0242	+/-0.50	
M8PF <sub>OA</sub>	574016.9	3.469917	837,098.00	3.445833	69	50 - 150	0.0241	+/-0.50	
M8PF <sub>OS</sub>	65246.09	3.65215	80,920.00	3.6282	81	50 - 150	0.0239	+/-0.50	
M9PF <sub>NA</sub>	396623.8	3.653183	541,836.00	3.629233	73	50 - 150	0.0239	+/-0.50	
MPF <sub>DoA</sub>	333441.7	4.072667	405,476.00	4.040683	82	50 - 150	0.0320	+/-0.50	
D5-NEtFOSAA	75674.2	3.945517	115,737.00	3.921533	65	50 - 150	0.0240	+/-0.50	
D3-NMeFOSAA	97871.82	3.873767	132,342.00	3.8497	74	50 - 150	0.0241	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Matrix Spike Dup (B338518-MSD1 )</b>			Lab File ID: B338518-MSD1.d			Analyzed: 05/12/23 07:42			
M8FOSA	147588.1	4.052533	232,606.00	4.052516	63	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	44750.07	2.537883	78,799.00	2.4886	57	50 - 150	0.0493	+/-0.50	
M2PFTA	356526.7	4.305367	639,112.00	4.27305	56	50 - 150	0.0323	+/-0.50	
M2-8:2FTS	37389.63	3.8028	65,957.00	3.778883	57	50 - 150	0.0239	+/-0.50	
MPFBA	367870.7	1.100017	525,734.00	1.075083	70	50 - 150	0.0249	+/-0.50	
M3HFPO-DA	98067.55	2.872033	135,411.00	2.822933	72	50 - 150	0.0491	+/-0.50	
M6PFDA	307583.6	3.803317	488,184.00	3.779417	63	50 - 150	0.0239	+/-0.50	
M3PFBS	93645.15	1.9364	144,937.00	1.894967	65	50 - 150	0.0414	+/-0.50	
M7PFUnA	294876.1	3.93805	445,936.00	3.914067	66	50 - 150	0.0240	+/-0.50	
M2-6:2FTS	24650.96	3.461417	40,257.00	3.4373	61	50 - 150	0.0241	+/-0.50	
M5PFPeA	293146.8	1.757717	449,031.00	1.714833	65	50 - 150	0.0429	+/-0.50	
M5PFHxA	476126.7	2.621617	800,305.00	2.572333	59	50 - 150	0.0493	+/-0.50	
M3PFHxS	62787.64	3.242583	107,652.00	3.21025	58	50 - 150	0.0323	+/-0.50	
M4PFHpA	469302.5	3.2031	856,297.00	3.178867	55	50 - 150	0.0242	+/-0.50	
M8PFOA	420065.4	3.477917	837,098.00	3.445833	50	50 - 150	0.0321	+/-0.50	
M8PFOS	50201.71	3.652167	80,920.00	3.6282	62	50 - 150	0.0240	+/-0.50	
M9PFNA	318154	3.6532	541,836.00	3.629233	59	50 - 150	0.0240	+/-0.50	
MPFDoA	249062.1	4.072683	405,476.00	4.040683	61	50 - 150	0.0320	+/-0.50	
D5-NEtFOSAA	67089.77	3.945517	115,737.00	3.921533	58	50 - 150	0.0240	+/-0.50	
D3-NMeFOSAA	80371.14	3.873783	132,342.00	3.8497	61	50 - 150	0.0241	+/-0.50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Blank (B339724-BLK1)</b>									
			Lab File ID: B339724-BLK1.d			Analyzed: 05/16/23 13:20			
M8FOSA	304683.7	3.980567	304,343.00	3.980567	100	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	34918.23	2.57895	32,900.00	2.570733	106	50 - 150	0.0082	+/-0.50	
M2PFTA	474395.2	4.313416	512,824.00	4.32155	93	50 - 150	-0.0081	+/-0.50	
M2-8:2FTS	54903.14	3.794833	51,180.00	3.794833	107	50 - 150	0.0000	+/-0.50	
MPFBA	323061.4	1.075083	291,503.00	1.075083	111	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	87190.01	2.8884	82,143.00	2.8884	106	50 - 150	0.0000	+/-0.50	
M6PFDA	502371.3	3.79535	456,339.00	3.79535	110	50 - 150	0.0000	+/-0.50	
M3PFBS	105740.7	1.95315	96,559.00	1.95315	110	50 - 150	0.0000	+/-0.50	
M7PFUnA	518704.5	3.938033	529,330.00	3.938033	98	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	25239.38	3.445283	23,844.00	3.445283	106	50 - 150	0.0000	+/-0.50	
M5PFPeA	327000.5	1.7743	300,385.00	1.7743	109	50 - 150	0.0000	+/-0.50	
M5PFHxA	471294.2	2.663233	431,803.00	2.663233	109	50 - 150	0.0000	+/-0.50	
M3PFHxS	79422.77	3.218333	68,954.00	3.218333	115	50 - 150	0.0000	+/-0.50	
M4PFHpA	459875.6	3.195017	406,892.00	3.195017	113	50 - 150	0.0000	+/-0.50	
M8PFOA	487572.1	3.453817	453,494.00	3.453817	108	50 - 150	0.0000	+/-0.50	
M8PFOS	85743.76	3.636183	78,703.00	3.636183	109	50 - 150	0.0000	+/-0.50	
M9PFNA	541523.4	3.637217	469,925.00	3.637217	115	50 - 150	0.0000	+/-0.50	
MPFDoA	445572.9	4.08065	447,376.00	4.08065	100	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	82727.53	3.945517	90,569.00	3.945517	91	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	98086.95	3.865617	100,006.00	3.873767	98	50 - 150	-0.0082	+/-0.50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>LCS (B339724-BS1 )</b>			Lab File ID: B339724-BS1.d			Analyzed: 05/16/23 13:12			
M8FOSA	352073.6	3.980567	304,343.00	3.980567	116	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	39058.26	2.57895	32,900.00	2.570733	119	50 - 150	0.0082	+/-0.50	
M2PFTA	539387.3	4.32155	512,824.00	4.32155	105	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	69269.95	3.794833	51,180.00	3.794833	135	50 - 150	0.0000	+/-0.50	
MPFBA	355942.4	1.075083	291,503.00	1.075083	122	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	90997.23	2.8884	82,143.00	2.8884	111	50 - 150	0.0000	+/-0.50	
M6PFDA	549046.6	3.79535	456,339.00	3.79535	120	50 - 150	0.0000	+/-0.50	
M3PFBS	117978.7	1.95315	96,559.00	1.95315	122	50 - 150	0.0000	+/-0.50	
M7PFUnA	566136.8	3.938033	529,330.00	3.938033	107	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	37760.57	3.445283	23,844.00	3.445283	158	50 - 150	0.0000	+/-0.50	*
M5PFPeA	359227.7	1.7743	300,385.00	1.7743	120	50 - 150	0.0000	+/-0.50	
M5PFHxA	516063.9	2.663233	431,803.00	2.663233	120	50 - 150	0.0000	+/-0.50	
M3PFHxS	89215.21	3.218333	68,954.00	3.218333	129	50 - 150	0.0000	+/-0.50	
M4PFHpA	490301.9	3.195017	406,892.00	3.195017	120	50 - 150	0.0000	+/-0.50	
M8PFOA	576660.9	3.453817	453,494.00	3.453817	127	50 - 150	0.0000	+/-0.50	
M8PFOS	97740.37	3.636183	78,703.00	3.636183	124	50 - 150	0.0000	+/-0.50	
M9PFNA	601461.5	3.637217	469,925.00	3.637217	128	50 - 150	0.0000	+/-0.50	
MPFDoA	495498.9	4.08065	447,376.00	4.08065	111	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	86344.17	3.945517	90,569.00	3.945517	95	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	108625	3.873767	100,006.00	3.873767	109	50 - 150	0.0000	+/-0.50	



**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<i>SOP-466 PFAS in Soil</i>	
Perfluorobutanoic acid (PFBA)	NH-P
Perfluorobutanesulfonic acid (PFBS)	NH-P
Perfluoropentanoic acid (PFPeA)	NH-P
Perfluorohexanoic acid (PFHxA)	NH-P
11Cl-PF3OUdS (F53B Major)	NH-P
9Cl-PF3ONS (F53B Minor)	NH-P
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NH-P
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NH-P
8:2 Fluorotelomersulfonic acid (8:2FTS A)	NH-P
Perfluorodecanoic acid (PFDA)	NH-P
Perfluorododecanoic acid (PFDoA)	NH-P
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	NH-P
Perfluoroheptanesulfonic acid (PFHpS)	NH-P
N-EtFOSAA (NEtFOSAA)	NH-P
N-MeFOSAA (NMeFOSAA)	NH-P
Perfluorotetradecanoic acid (PFTA)	NH-P
Perfluorotridecanoic acid (PFTrDA)	NH-P
4:2 Fluorotelomersulfonic acid (4:2FTS A)	NH-P
Perfluorodecanesulfonic acid (PFDS)	NH-P
Perfluorooctanesulfonamide (FOSA)	NH-P
Perfluorononanesulfonic acid (PFNS)	NH-P
Perfluoro-1-hexanesulfonamide (FHxSA)	NH-P
Perfluoro-1-butanesulfonamide (FBSA)	NH-P
Perfluorohexanesulfonic acid (PFHxS)	NH-P
Perfluoro-4-oxapentanoic acid (PFMPA)	NH-P
Perfluoro-5-oxahexanoic acid (PFMBA)	NH-P
6:2 Fluorotelomersulfonic acid (6:2FTS A)	NH-P
Perfluoropetanesulfonic acid (PFPeS)	NH-P
Perfluoroundecanoic acid (PFUnA)	NH-P
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NH-P
Perfluoroheptanoic acid (PFHpA)	NH-P
Perfluorooctanoic acid (PFOA)	NH-P
Perfluorooctanesulfonic acid (PFOS)	NH-P
Perfluorononanoic acid (PFNA)	NH-P

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2023

https://www.pacelabs.com/  
 CHAIN OF CUSTODY RECORD (New York)

Phone: 612-607-6400  
 Fax: 612-607-6344

**Pace Analytical**  
 Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/  
 NYSDEC  
 625 Broadway, 12th Floor, Albany, NY 12233

Requested Turnaround Time:  7-Day  10-Day  Rush-Approval Required:  1-Day  3-Day  2-Day  4-Day

Data Delivery:  PDF  EXCEL

CLP Like Data Pkg Required:

Email To: anthony.bollasina@dec.ny.gov

Fax To #: AIB/MS/PP/BOB/JA/KG/SJ

Requested Turnaround Time:  7-Day  10-Day  Rush-Approval Required:  1-Day  3-Day  2-Day  4-Day

Data Delivery:  PDF  EXCEL

CLP Like Data Pkg Required:

Email To: anthony.bollasina@dec.ny.gov

Fax To #: AIB/MS/PP/BOB/JA/KG/SJ

Pace Analytical Work Order#	Client Sample ID / Description	DATE	TIME	Composite	Grab	Matrix Code	Conc Code
1 MS/MSD collected	SED-01A-20230425	4/25/2023	0950		X	SE	
2	SED-02A-20230425	4/25/2023	1230		X	SE	
3	SED-03A-20230425	4/25/2023	1040		X	SE	
4	SED-04A-20230425	4/25/2023	1050		X	SE	
5	SED-05-20230425	4/25/2023	1110		X	SE	
6	SED-06-20230425	4/25/2023	1210		X	SE	
7	SED-07-20230425	4/25/2023	1120		X	SE	
8	SED-08-20230425	4/25/2023	1030		X	SE	
9	SED-09-20230425	4/25/2023	1140		X	SE	
10	SED-10-20230425	4/25/2023	1020		X	SE	

ANALYSIS REQUESTED

1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)  
 SW = surface water

2 Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

Comments: Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Deliverables:  
 Enhanced Data Package  
 NYSDEC EQUIS EDD  
 EQUIS (Standard) EDD  
 NY Regulatory EDD  
 NY Regs Hits-Only EDD

Program & Regulatory Information:  
 AWQ STDS  
 NYC Sewer Discharge  
 Part 360 GW (Landfill)  
 NY Restricted Use  
 NY Unrestricted Use  
 NY Part 375

Project Entity:  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 WRTA  
 AIHA-LAP, LLC

Other: Chromatogram  Soxhlet  Non Soxhlet

Date/Time: 4-26-23 0931  
 Date/Time: 4-26-23 931  
 Date/Time: 4-26-23 1430  
 Date/Time: 4-26-23 1730  
 Date/Time: 4-26-23 1530

Relinquished by: (signature) [Signature]  
 Received by: (signature) [Signature]  
 Relinquished by: (signature) [Signature]  
 Received by: (signature) [Signature]

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3.0, 4.5, 3.2, 2.5, 2.9, 3.4, 3.8, 4.3, 3.6  
 4/26/23 1745

Phone: 612-607-6400  
Fax: 612-607-6344

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Doc # 380 Rev 1\_03242017

1800 Elm Street SE  
Minneapolis, MN 55414

Page 4 of 8

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYSDEC  
Address: 625 Broadway, 12th Floor, Albany, NY 12233  
Phone: 518-402-2754  
Project Name: Rock CBD Landfill  
Project Location: Milton, NY  
Project Number: DEC #546061  
Project Manager: Anthony Bollasina  
Pace Analytical Quote Name/Number: Callout ID: 147267  
Invoice Recipient: NYSDEC  
Sampled By: A/B/MS/PP/BOB/JA/KG/SJ

Requested Turnaround Time:  7-Day  10-Day  Rush-Approval Required:  1-Day  3-Day  2-Day  4-Day  
Data Delivery:  PDF  EXCEL  
Other:   
CLP Like Data Pkg Required:   
Email To: anthony.bollasina@dec.ny.gov  
Fax To #:

Pace Analytical Work Order #	Client Sample ID / Description	DATE	TIME	Composite	Grab	Matrix Code	Conc Code				ANALYSIS REQUESTED		# of Containers	
											Field Filtered	Lab to Filter	Preservation Code	Container Code

1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)  
 SE = sediment

2 Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

4 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)  
 SE = sediment

Deliverables:  
 Enhanced Data Package  
 NYSDEC EQUIS EDD  
 EQUIS (Standard) EDD  
 NY Regulatory EDD  
 NY Regs Hits-Only EDD

Other:  
 Chromatogram  
 AIHA-LAP, LLC

Client Sample ID / Description	DATE	TIME	Composite	Grab	Matrix Code	Conc Code	Comments
11 SED-11-20230425	4/25/2023	1010	X	X	SE	1	
12 SED-13-20230425	4/25/2023	1400	X	X	SE	1	
13 DUPLICATE-2023-04-25	4/25/2023		X	X	SE	1	
<del>XX XX XX XX XX</del>							

Comments: **BOB**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

East Longmeadow, MA. 01028  
 P: 413-525-2332  
 F: 413-525-6405  
 www.pacelabs.com

# Log In Back-Sheet

Login Sample Receipt Checklist - (Rejection Criteria Listing  
 - Using Acceptance Policy) Any False statement will be  
 brought to the attention of the Client - True or False



Client NYDEC  
 Project Rock C&D Landfill  
 MCP/RCP Required No  
 Deliverable Package Req. No  
 Location Milton, NY  
 PWSID# (When Applicable) NA  
 Arrival Method:  
 Courier  Fed Ex  Walk In  Other   
 Received By / Date / Time DWW 4/26/23 1745  
 Back-Sheet By / Date / Time SK 4/26/23 2125  
 Temperature Method gun #5  
 Temp  < 6° C Actual Temperature 3.0, 4.5, 3.2, 2.5, 2.9  
 Rush Samples: Yes /  No Notify 3.4, 3.8, 4.3, 3.6  
 Short Hold:  Yes /  No Notify same as

	True	False
Received on Ice	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Received in Cooler	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Custody Seal: DATE TIME	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Relinquished	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC/Samples Labels Agree	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Samples in Good Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Samples Received within Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there enough Volume	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proper Media/Container Used	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Splitting Samples Required	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MS/MSD	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Trip Blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lab to Filters	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Legible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC Included: (Check all included)		
Client <input checked="" type="checkbox"/>	Analysis <input checked="" type="checkbox"/>	Sampler Name <input checked="" type="checkbox"/>
Project <input checked="" type="checkbox"/>	IDs <input checked="" type="checkbox"/>	Collection Date/Time <input checked="" type="checkbox"/>
All Samples Proper pH:	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/>

**Notes regarding Samples/COC outside of SOP:**

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Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	Na2S2O3	Other Preservative	
1L Amber Plastic									
500 mL Amber Plastic									
250 mL Amber Plastic									
Other Amber Clear <u>Plastic</u>	<u>14</u>								
16oz Amber Clear									
8oz Amber Clear									
4oz Amber Clear									
2oz Amber Clear									
Col/Bacteria									
Flashpoint									
Plastic Bag									
SOC Kit									
Perchlorate									
Encore									
Frozen									
	Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials									

May 17, 2023

Anthony Bollasina  
NYS Division of Environmental Remediation  
625 Broadway 12th Floor  
Albany, NY 12233-7012

Project Location: Milton, NY  
Client Job Number:  
Project Number: 546061  
Laboratory Work Order Number: 23D3154

Enclosed are results of analyses for samples as received by the laboratory on April 26, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

 NYS Division of Environmental Remediation  
 625 Broadway 12th Floor  
 Albany, NY 12233-7012  
 ATTN: Anthony Bollasina

REPORT DATE: 5/17/2023

PURCHASE ORDER NUMBER: 147267

PROJECT NUMBER: 546061

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 23D3154

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Milton, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SED-01A-20230425	23D3154-01	Soil		SM 2540G SOP-466 PFAS	
SED-02A-20230425	23D3154-02	Soil		SM 2540G SOP-466 PFAS	
SED-03A-20230425	23D3154-03	Soil		SM 2540G SOP-466 PFAS	
SED-04A-20230425	23D3154-04	Soil		SM 2540G SOP-466 PFAS	
SED-05-20230425	23D3154-05	Soil		SM 2540G SOP-466 PFAS	
SED-06-20230425	23D3154-06	Soil		SM 2540G SOP-466 PFAS	
SED-07-20230425	23D3154-07	Soil		SM 2540G SOP-466 PFAS	
SED-08-20230425	23D3154-08	Soil		SM 2540G SOP-466 PFAS	
SED-09-20230425	23D3154-09	Soil		SM 2540G SOP-466 PFAS	
SED-10-20230425	23D3154-10	Soil		SM 2540G SOP-466 PFAS	
SED-11-20230425	23D3154-11	Soil		SM 2540G SOP-466 PFAS	
SED-12-20230425	23D3154-12	Soil		SM 2540G SOP-466 PFAS	
DUPLICATE-2023-04-25	23D3154-13	Soil		SM 2540G SOP-466 PFAS	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**SOP-466 PFAS****Qualifications:****MS-22**

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

**Analyte & Samples(s) Qualified:****N-EtFOSAA (NEtFOSAA)**

B338518-MSD1

**Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)**

B338518-MSD1

**Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)**

B338518-MSD1

**Perfluorodecanoic acid (PFDA)**

B338518-MSD1

**Perfluoroheptanoic acid (PFHpA)**

B338518-MSD1

**Perfluorononanesulfonic acid (PFNS)**

B338518-MSD1

**Perfluorooctanoic acid (PFOA)**

B338518-MSD1

**Perfluoropentanesulfonic acid (PFPeS)**

B338518-MSD1

**PF-18**

Duplicate analysis confirmed Extracted Internal Standard failure due to matrix effects.

**Analyte & Samples(s) Qualified:****D5-NEtFOSAA**

23D3154-09[SED-09-20230425]

**M2PFTA**

23D3154-09[SED-09-20230425]

**MPFDoA**

23D3154-09[SED-09-20230425]

**R-06**

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

**Analyte & Samples(s) Qualified:****6:2 Fluorotelomersulfonic acid (6:2FTS A)**

B338518-MSD1

**S-29**

Extracted Internal Standard is outside of control limits.

**Analyte & Samples(s) Qualified:****D3-NMeFOSAA**

23D3154-09[SED-09-20230425]

**D5-NEtFOSAA**

23D3154-08[SED-08-20230425], 23D3154-10[SED-10-20230425], B338518-BS1

**M2-6:2FTS**

B339724-BS1

**M2PFTA**

23D3154-08[SED-08-20230425], 23D3154-10[SED-10-20230425], 23D3154-13[DUPLICATE-2023-04-25]

**M3HFPO-DA**

S087399-CCV2, S087399-CCV6

**M9PFNA**

B338518-BS1

**V-05**

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

**Analyte & Samples(s) Qualified:****N-MeFOSAA (NMeFOSAA)**

23D3154-01[SED-01A-20230425], 23D3154-02[SED-02A-20230425], 23D3154-03[SED-03A-20230425], 23D3154-04[SED-04A-20230425], 23D3154-05[SED-05-20230425], 23D3154-06[SED-06-20230425], 23D3154-07[SED-07-20230425], 23D3154-08[SED-08-20230425], 23D3154-09[SED-09-20230425], 23D3154-10[SED-10-20230425], 23D3154-11[SED-11-20230425], 23D3154-12[SED-12-20230425], 23D3154-13[DUPLICATE-2023-04-25], S087399-CCV2

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

**Analyte & Samples(s) Qualified:**

**Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)**

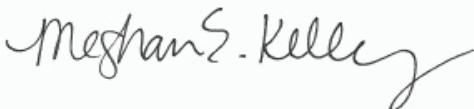
S087399-CCV3, S087399-CCV4

**Perfluorononanoic acid (PFNA)**

S087399-CCV3, S087399-CCV4

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley  
Reporting Specialist

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3154-01

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.96	0.38	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.96	0.33	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoropentanoic acid (PFPeA)	ND	0.96	0.34	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.96	0.35	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.96	0.39	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.96	0.52	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.96	0.36	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.96	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	0.96	0.41	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorodecanoic acid (PFDA)	ND	0.96	0.39	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.96	0.58	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.96	0.33	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.96	0.43	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.96	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.96	0.46	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorotetradecanoic acid (PFTA)	ND	0.96	0.44	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.96	0.30	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	0.96	0.35	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.96	0.46	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorooctanesulfonamide (FOSA)	ND	0.96	0.40	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.96	0.53	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.96	0.42	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.96	0.39	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.96	0.44	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.96	0.32	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.96	0.34	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	0.96	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.96	0.37	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.96	0.32	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.96	0.33	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.96	0.37	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorooctanoic acid (PFOA)	ND	0.96	0.34	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.96	0.59	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS
Perfluorononanoic acid (PFNA)	ND	0.96	0.42	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 7:49	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3154-01

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	45.9		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-02A-20230425

Sampled: 4/25/2023 12:30

Sample ID: 23D3154-02

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	3.3	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	3.3	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoropentanoic acid (PFPeA)	ND	3.3	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorohexanoic acid (PFHxA)	ND	3.3	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.3	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.3	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.3	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.3	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	3.3	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorodecanoic acid (PFDA)	ND	3.3	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorododecanoic acid (PFDoA)	ND	3.3	2.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.3	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	3.3	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
N-EtFOSAA (NEtFOSAA)	ND	3.3	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
N-MeFOSAA (NMeFOSAA)	ND	3.3	1.6	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorotetradecanoic acid (PFTA)	ND	3.3	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	3.3	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	3.3	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	3.3	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorooctanesulfonamide (FOSA)	ND	3.3	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorononanesulfonic acid (PFNS)	ND	3.3	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	3.3	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	3.3	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	3.3	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.3	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.3	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	3.3	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	3.3	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoroundecanoic acid (PFUnA)	ND	3.3	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.3	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluoroheptanoic acid (PFHpA)	ND	3.3	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorooctanoic acid (PFOA)	ND	3.3	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorooctanesulfonic acid (PFOS)	6.6	3.3	2.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS
Perfluorononanoic acid (PFNA)	ND	3.3	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:12	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-02A-20230425

Sampled: 4/25/2023 12:30

Sample ID: 23D3154-02

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	12.9		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-03A-20230425

Sampled: 4/25/2023 10:40

Sample ID: 23D3154-03

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.4	0.56	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.4	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.4	0.50	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.4	0.51	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
11Cl-PF3OUdS (F53B Major)	ND	1.4	0.58	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
9Cl-PF3ONS (F53B Minor)	ND	1.4	0.76	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.4	0.52	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.4	0.71	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.4	0.60	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorodecanoic acid (PFDA)	ND	1.4	0.57	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.4	0.84	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.4	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.4	0.63	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.4	0.70	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.4	0.67	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorotetradecanoic acid (PFTA)	ND	1.4	0.65	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.4	0.44	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.4	0.51	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.4	0.66	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorooctanesulfonamide (FOSA)	ND	1.4	0.58	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.4	0.77	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.4	0.61	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.4	0.57	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.4	0.63	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.4	0.47	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.4	0.50	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.4	0.69	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.4	0.53	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.4	0.47	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.4	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.4	0.53	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorooctanoic acid (PFOA)	ND	1.4	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.4	0.86	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS
Perfluorononanoic acid (PFNA)	ND	1.4	0.61	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:19	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-03A-20230425

Sampled: 4/25/2023 10:40

Sample ID: 23D3154-03

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	29.9		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-04A-20230425

Sampled: 4/25/2023 10:50

Sample ID: 23D3154-04

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	2.4	0.97	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	2.4	0.84	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.4	0.87	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorohexanoic acid (PFHxA)	ND	2.4	0.88	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
11Cl-PF3OUdS (F53B Major)	ND	2.4	0.99	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
9Cl-PF3ONS (F53B Minor)	ND	2.4	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.4	0.91	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.4	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.4	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorodecanoic acid (PFDA)	2.1	2.4	0.98	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorododecanoic acid (PFDoA)	ND	2.4	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.4	0.83	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
N-EtFOSAA (NEtFOSAA)	ND	2.4	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
N-MeFOSAA (NMeFOSAA)	ND	2.4	1.2	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorotetradecanoic acid (PFTA)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	2.4	0.77	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.4	0.88	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorooctanesulfonamide (FOSA)	ND	2.4	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorononanesulfonic acid (PFNS)	ND	2.4	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	2.4	0.98	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.4	0.82	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.4	0.86	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.4	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	2.4	0.92	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoroundecanoic acid (PFUnA)	ND	2.4	0.81	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.4	0.84	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluoroheptanoic acid (PFHpA)	ND	2.4	0.92	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorooctanoic acid (PFOA)	2.5	2.4	0.85	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorooctanesulfonic acid (PFOS)	34	2.4	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS
Perfluorononanoic acid (PFNA)	2.3	2.4	1.1	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:26	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-04A-20230425

Sampled: 4/25/2023 10:50

Sample ID: 23D3154-04

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	18.1		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-05-20230425

Sampled: 4/25/2023 11:10

Sample ID: 23D3154-05

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.3	0.54	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.3	0.47	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.3	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.3	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
11Cl-PF3OUdS (F53B Major)	ND	1.3	0.55	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
9Cl-PF3ONS (F53B Minor)	ND	1.3	0.73	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.3	0.51	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.3	0.68	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.3	0.58	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorodecanoic acid (PFDA)	ND	1.3	0.55	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.3	0.81	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.3	0.47	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.3	0.61	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.3	0.67	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.3	0.65	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorotetradecanoic acid (PFTA)	ND	1.3	0.62	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.3	0.43	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.3	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.3	0.64	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorooctanesulfonamide (FOSA)	ND	1.3	0.56	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.3	0.74	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.3	0.59	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.3	0.55	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.3	0.61	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.3	0.46	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.3	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.3	0.67	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.3	0.51	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.3	0.45	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.3	0.47	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.3	0.51	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorooctanoic acid (PFOA)	0.65	1.3	0.48	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorooctanesulfonic acid (PFOS)	4.4	1.3	0.83	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS
Perfluorononanoic acid (PFNA)	ND	1.3	0.59	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:33	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-05-20230425

Sampled: 4/25/2023 11:10

Sample ID: 23D3154-05

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	31.0		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-06-20230425

Sampled: 4/25/2023 12:10

Sample ID: 23D3154-06

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	2.4	0.98	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	2.4	0.85	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.4	0.88	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorohexanoic acid (PFHxA)	ND	2.4	0.89	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
11Cl-PF3OUdS (F53B Major)	ND	2.4	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
9Cl-PF3ONS (F53B Minor)	ND	2.4	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.4	0.92	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.4	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorodecanoic acid (PFDA)	3.8	2.4	0.99	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorododecanoic acid (PFDoA)	1.9	2.4	1.5	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.4	0.84	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
N-EtFOSAA (NEtFOSAA)	2.3	2.4	1.2	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
N-MeFOSAA (NMeFOSAA)	ND	2.4	1.2	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorotetradecanoic acid (PFTA)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	2.4	0.78	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.4	0.89	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	2.4	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorooctanesulfonamide (FOSA)	ND	2.4	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorononanesulfonic acid (PFNS)	ND	2.4	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoro-1-butanesulfonamide (FBSA)	ND	2.4	0.99	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	2.4	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.4	0.82	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.4	0.87	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.4	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoropetanesulfonic acid (PFPeS)	ND	2.4	0.93	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoroundecanoic acid (PFUnA)	3.6	2.4	0.82	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.4	0.85	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluoroheptanoic acid (PFHpA)	ND	2.4	0.93	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorooctanoic acid (PFOA)	1.3	2.4	0.86	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorooctanesulfonic acid (PFOS)	27	2.4	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS
Perfluorononanoic acid (PFNA)	1.1	2.4	1.1	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:41	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-06-20230425

Sampled: 4/25/2023 12:10

Sample ID: 23D3154-06

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	17.2		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-07-20230425

Sampled: 4/25/2023 11:20

Sample ID: 23D3154-07

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	0.91	2.0	0.81	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	0.70	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.0	0.73	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorohexanoic acid (PFHxA)	ND	2.0	0.74	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
11Cl-PF3OUdS (F53B Major)	ND	2.0	0.84	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
9Cl-PF3ONS (F53B Minor)	ND	2.0	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	0.76	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0	0.87	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorodecanoic acid (PFDA)	ND	2.0	0.82	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorododecanoic acid (PFDoA)	ND	2.0	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	2.0	0.70	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	0.91	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
N-EtFOSAA (NEtFOSAA)	ND	2.0	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
N-MeFOSAA (NMeFOSAA)	ND	2.0	0.97	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorotetradecanoic acid (PFTA)	ND	2.0	0.94	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	0.65	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0	0.74	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	2.0	0.96	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorooctanesulfonamide (FOSA)	ND	2.0	0.84	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorononanesulfonic acid (PFNS)	ND	2.0	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	2.0	0.89	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	2.0	0.82	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	0.92	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	0.69	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	0.72	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0	0.77	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoroundecanoic acid (PFUnA)	ND	2.0	0.68	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.71	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluoroheptanoic acid (PFHpA)	ND	2.0	0.77	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorooctanoic acid (PFOA)	1.5	2.0	0.72	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorooctanesulfonic acid (PFOS)	6.3	2.0	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS
Perfluorononanoic acid (PFNA)	ND	2.0	0.89	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:48	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-07-20230425

Sampled: 4/25/2023 11:20

Sample ID: 23D3154-07

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	20.6		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-08-20230425

Sampled: 4/25/2023 10:30

Sample ID: 23D3154-08

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.1	0.44	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.1	0.38	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.1	0.40	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.1	0.40	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
11Cl-PF3OUdS (F53B Major)	ND	1.1	0.46	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
9Cl-PF3ONS (F53B Minor)	ND	1.1	0.60	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.1	0.42	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.1	0.56	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.1	0.48	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorodecanoic acid (PFDA)	ND	1.1	0.45	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.1	0.67	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	1.1	0.38	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.1	0.50	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.1	0.55	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.1	0.53	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorotetradecanoic acid (PFTA)	ND	1.1	0.51	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.1	0.35	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.1	0.40	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.1	0.53	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorooctanesulfonamide (FOSA)	ND	1.1	0.46	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.1	0.61	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.1	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.1	0.45	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.1	0.50	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.1	0.37	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.1	0.39	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.1	0.55	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.1	0.42	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.1	0.37	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.1	0.39	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.1	0.42	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorooctanoic acid (PFOA)	0.99	1.1	0.39	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorooctanesulfonic acid (PFOS)	8.7	1.1	0.68	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS
Perfluorononanoic acid (PFNA)	0.78	1.1	0.48	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 8:55	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-08-20230425

Sampled: 4/25/2023 10:30

Sample ID: 23D3154-08

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	37.8		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-09-20230425

Sampled: 4/25/2023 11:40

Sample ID: 23D3154-09

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	2.9	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	2.9	0.99	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.9	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorohexanoic acid (PFHxA)	ND	2.9	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
11Cl-PF3OUdS (F53B Major)	ND	2.9	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
9Cl-PF3ONS (F53B Minor)	ND	2.9	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.9	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.9	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.9	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorodecanoic acid (PFDA)	ND	2.9	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorododecanoic acid (PFDoA)	ND	2.9	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.9	0.99	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.9	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
N-EtFOSAA (NEtFOSAA)	ND	2.9	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
N-MeFOSAA (NMeFOSAA)	ND	2.9	1.4	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorotetradecanoic acid (PFTA)	ND	2.9	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	2.9	0.91	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.9	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	2.9	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorooctanesulfonamide (FOSA)	ND	2.9	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorononanesulfonic acid (PFNS)	ND	2.9	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	2.9	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoro-1-butanesulfonamide (FBSA)	ND	2.9	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	2.9	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.9	0.97	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.9	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.9	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	2.9	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoroundecanoic acid (PFUnA)	ND	2.9	0.96	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.9	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluoroheptanoic acid (PFHpA)	ND	2.9	1.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorooctanoic acid (PFOA)	ND	2.9	1.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	2.9	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS
Perfluorononanoic acid (PFNA)	ND	2.9	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:02	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-09-20230425

Sampled: 4/25/2023 11:40

Sample ID: 23D3154-09

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	15.4		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-10-20230425

Sampled: 4/25/2023 10:20

Sample ID: 23D3154-10

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	4.6	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	4.6	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoropentanoic acid (PFPeA)	ND	4.6	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorohexanoic acid (PFHxA)	ND	4.6	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
11Cl-PF3OUdS (F53B Major)	ND	4.6	1.9	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
9Cl-PF3ONS (F53B Minor)	ND	4.6	2.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.6	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.6	2.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	4.6	2.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorodecanoic acid (PFDA)	ND	4.6	1.9	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorododecanoic acid (PFDoA)	ND	4.6	2.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	4.6	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	4.6	2.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
N-EtFOSAA (NEtFOSAA)	ND	4.6	2.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
N-MeFOSAA (NMeFOSAA)	ND	4.6	2.2	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorotetradecanoic acid (PFTA)	ND	4.6	2.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	4.6	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	4.6	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	4.6	2.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorooctanesulfonamide (FOSA)	ND	4.6	1.9	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorononanesulfonic acid (PFNS)	ND	4.6	2.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	4.6	2.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	4.6	1.9	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	4.6	2.1	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.6	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.6	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	4.6	2.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	4.6	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoroundecanoic acid (PFUnA)	ND	4.6	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.6	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluoroheptanoic acid (PFHpA)	ND	4.6	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorooctanoic acid (PFOA)	6.9	4.6	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorooctanesulfonic acid (PFOS)	26	4.6	2.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS
Perfluorononanoic acid (PFNA)	3.4	4.6	2.0	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:10	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-10-20230425

Sampled: 4/25/2023 10:20

Sample ID: 23D3154-10

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	9.41		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-11-20230425

Sampled: 4/25/2023 10:10

Sample ID: 23D3154-11

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	3.7	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoropentanoic acid (PFPeA)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorohexanoic acid (PFHxA)	ND	3.7	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.7	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.7	2.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	3.7	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.7	1.9	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	3.7	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorodecanoic acid (PFDA)	ND	3.7	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorododecanoic acid (PFDoA)	ND	3.7	2.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	3.7	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
N-EtFOSAA (NEtFOSAA)	ND	3.7	1.9	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
N-MeFOSAA (NMeFOSAA)	ND	3.7	1.8	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorotetradecanoic acid (PFTA)	ND	3.7	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	3.7	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	3.7	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	3.7	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorooctanesulfonamide (FOSA)	ND	3.7	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorononanesulfonic acid (PFNS)	ND	3.7	2.0	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	3.7	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoro-1-butanesulfonamide (FBSA)	ND	3.7	1.5	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	3.7	1.7	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	3.7	1.8	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	3.7	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoroundecanoic acid (PFUnA)	ND	3.7	1.2	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluoroheptanoic acid (PFHpA)	ND	3.7	1.4	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorooctanoic acid (PFOA)	ND	3.7	1.3	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorooctanesulfonic acid (PFOS)	3.4	3.7	2.3	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS
Perfluorononanoic acid (PFNA)	ND	3.7	1.6	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:17	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-11-20230425

Sampled: 4/25/2023 10:10

Sample ID: 23D3154-11

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	11.8		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-12-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3154-12

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.81	0.33	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.81	0.28	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoropentanoic acid (PFPeA)	ND	0.81	0.29	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.81	0.30	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
11Cl-PF3OUdS (F53B Major)	ND	0.81	0.34	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
9Cl-PF3ONS (F53B Minor)	ND	0.81	0.44	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.81	0.31	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.81	0.41	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	0.81	0.35	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorodecanoic acid (PFDA)	0.80	0.81	0.33	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.81	0.49	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.81	0.28	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.81	0.37	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.81	0.41	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.81	0.39	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorotetradecanoic acid (PFTA)	ND	0.81	0.38	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.81	0.26	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	0.81	0.30	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.81	0.39	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorooctanesulfonamide (FOSA)	ND	0.81	0.34	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.81	0.45	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.81	0.36	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.81	0.33	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.81	0.37	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.81	0.28	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.81	0.29	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	0.81	0.40	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.81	0.31	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.81	0.27	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.81	0.28	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.81	0.31	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorooctanoic acid (PFOA)	1.2	0.81	0.29	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorooctanesulfonic acid (PFOS)	9.4	0.81	0.50	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS
Perfluorononanoic acid (PFNA)	0.42	0.81	0.36	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:39	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: SED-12-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3154-12

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	53.2		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

Field Sample #: DUPLICATE-2023-04-25

Sampled: 4/25/2023 00:00

Sample ID: 23D3154-13

Sample Matrix: Soil

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.6	0.63	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	0.54	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.6	0.56	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.6	0.57	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
11Cl-PF3OUdS (F53B Major)	ND	1.6	0.64	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
9Cl-PF3ONS (F53B Minor)	ND	1.6	0.85	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.6	0.59	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.6	0.80	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.6	0.67	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorodecanoic acid (PFDA)	2.7	1.6	0.63	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorododecanoic acid (PFDoA)	1.0	1.6	0.94	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.6	0.54	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	0.70	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
N-EtFOSAA (NEtFOSAA)	1.4	1.6	0.78	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.6	0.75	µg/kg dry	1	V-05	SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorotetradecanoic acid (PFTA)	ND	1.6	0.73	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	0.50	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.6	0.57	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	0.74	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorooctanesulfonamide (FOSA)	ND	1.6	0.65	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.6	0.86	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.6	0.69	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.6	0.64	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	0.71	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.6	0.53	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.6	0.56	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.6	0.78	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.6	0.60	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoroundecanoic acid (PFUnA)	2.4	1.6	0.53	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.6	0.55	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.6	0.60	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorooctanoic acid (PFOA)	0.75	1.6	0.55	µg/kg dry	1	J	SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorooctanesulfonic acid (PFOS)	16	1.6	0.96	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS
Perfluorononanoic acid (PFNA)	ND	1.6	0.68	µg/kg dry	1		SOP-466 PFAS	5/3/23	5/12/23 9:46	AMS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3154

Date Received: 4/26/2023

 Field Sample #: **DUPLICATE-2023-04-25**

Sampled: 4/25/2023 00:00

 Sample ID: **23D3154-13**

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	27.4		% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**Sample Extraction Data**
**Prep Method:% Solids Analytical Method:SM 2540G**

Lab Number [Field ID]	Batch	Date
23D3154-01 [SED-01A-20230425]	B338436	04/27/23
23D3154-02 [SED-02A-20230425]	B338436	04/27/23
23D3154-03 [SED-03A-20230425]	B338436	04/27/23
23D3154-04 [SED-04A-20230425]	B338436	04/27/23
23D3154-05 [SED-05-20230425]	B338436	04/27/23
23D3154-06 [SED-06-20230425]	B338436	04/27/23
23D3154-07 [SED-07-20230425]	B338436	04/27/23
23D3154-08 [SED-08-20230425]	B338436	04/27/23
23D3154-09 [SED-09-20230425]	B338436	04/27/23
23D3154-10 [SED-10-20230425]	B338436	04/27/23
23D3154-11 [SED-11-20230425]	B338436	04/27/23
23D3154-12 [SED-12-20230425]	B338436	04/27/23
23D3154-13 [DUPLICATE-2023-04-25]	B338436	04/27/23

**Prep Method:SOP 465-PFAAS Analytical Method:SOP-466 PFAS**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23D3154-01 [SED-01A-20230425]	B338518	5.63	5.00	05/03/23
23D3154-02 [SED-02A-20230425]	B338518	5.87	5.00	05/03/23
23D3154-03 [SED-03A-20230425]	B338518	5.94	5.00	05/03/23
23D3154-04 [SED-04A-20230425]	B338518	5.67	5.00	05/03/23
23D3154-05 [SED-05-20230425]	B338518	5.93	5.00	05/03/23
23D3154-06 [SED-06-20230425]	B338518	5.89	5.00	05/03/23
23D3154-07 [SED-07-20230425]	B338518	5.93	5.00	05/03/23
23D3154-08 [SED-08-20230425]	B338518	5.92	5.00	05/03/23
23D3154-09 [SED-09-20230425]	B338518	5.63	5.00	05/03/23
23D3154-10 [SED-10-20230425]	B338518	5.71	5.00	05/03/23
23D3154-11 [SED-11-20230425]	B338518	5.66	5.00	05/03/23
23D3154-12 [SED-12-20230425]	B338518	5.72	5.00	05/03/23
23D3154-13 [DUPLICATE-2023-04-25]	B338518	5.78	5.00	05/03/23

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B338518 - SOP 465-PFAAS**
**Blank (B338518-BLK1)**

Prepared: 05/03/23 Analyzed: 05/10/23

Perfluorobutanoic acid (PFBA)	ND	0.45	µg/kg wet							
Perfluorobutanesulfonic acid (PFBS)	ND	0.45	µg/kg wet							
Perfluoropentanoic acid (PFPeA)	ND	0.45	µg/kg wet							
Perfluorohexanoic acid (PFHxA)	ND	0.45	µg/kg wet							
11Cl-PF3OUdS (F53B Major)	ND	0.45	µg/kg wet							
9Cl-PF3ONS (F53B Minor)	ND	0.45	µg/kg wet							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.45	µg/kg wet							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.45	µg/kg wet							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	0.45	µg/kg wet							
Perfluorodecanoic acid (PFDA)	ND	0.45	µg/kg wet							
Perfluorododecanoic acid (PFDoA)	ND	0.45	µg/kg wet							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	0.45	µg/kg wet							
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.45	µg/kg wet							
N-EtFOSAA (NEtFOSAA)	ND	0.45	µg/kg wet							
N-MeFOSAA (NMeFOSAA)	ND	0.45	µg/kg wet							
Perfluorotetradecanoic acid (PFTA)	ND	0.45	µg/kg wet							
Perfluorotridecanoic acid (PFTrDA)	ND	0.45	µg/kg wet							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	0.45	µg/kg wet							
Perfluorodecanesulfonic acid (PFDS)	ND	0.45	µg/kg wet							
Perfluorooctanesulfonamide (FOSA)	ND	0.45	µg/kg wet							
Perfluorononanesulfonic acid (PFNS)	ND	0.45	µg/kg wet							
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.45	µg/kg wet							
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.45	µg/kg wet							
Perfluorohexanesulfonic acid (PFHxS)	ND	0.45	µg/kg wet							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.45	µg/kg wet							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.45	µg/kg wet							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	0.45	µg/kg wet							
Perfluoropentanesulfonic acid (PFPeS)	ND	0.45	µg/kg wet							
Perfluoroundecanoic acid (PFUnA)	ND	0.45	µg/kg wet							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.45	µg/kg wet							
Perfluoroheptanoic acid (PFHpA)	ND	0.45	µg/kg wet							
Perfluorooctanoic acid (PFOA)	ND	0.45	µg/kg wet							
Perfluorooctanesulfonic acid (PFOS)	ND	0.45	µg/kg wet							
Perfluorononanoic acid (PFNA)	ND	0.45	µg/kg wet							

**LCS (B338518-BS1)**

Prepared: 05/03/23 Analyzed: 05/10/23

Perfluorobutanoic acid (PFBA)	2.17	0.43	µg/kg wet	2.17		99.9	71-135			
Perfluorobutanesulfonic acid (PFBS)	1.83	0.43	µg/kg wet	1.92		95.0	72-128			
Perfluoropentanoic acid (PFPeA)	2.01	0.43	µg/kg wet	2.17		92.5	69-132			
Perfluorohexanoic acid (PFHxA)	1.98	0.43	µg/kg wet	2.17		91.0	70-132			
11Cl-PF3OUdS (F53B Major)	2.18	0.43	µg/kg wet	2.05		107	41.8-128			
9Cl-PF3ONS (F53B Minor)	1.96	0.43	µg/kg wet	2.03		96.6	51.1-141			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.08	0.43	µg/kg wet	2.05		102	55.2-122			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	2.64	0.43	µg/kg wet	2.17		121	27.6-137			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	2.18	0.43	µg/kg wet	2.09		104	65-137			
Perfluorodecanoic acid (PFDA)	2.24	0.43	µg/kg wet	2.17		103	69-133			
Perfluorododecanoic acid (PFDoA)	2.04	0.43	µg/kg wet	2.17		94.0	69-135			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	1.66	0.43	µg/kg wet	1.94		85.7	56.7-133			

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338518 - SOP 465-PFAAS</b>										
<b>LCS (B338518-BS1)</b>										
					Prepared: 05/03/23 Analyzed: 05/10/23					
Perfluoroheptanesulfonic acid (PFHpS)	1.83	0.43	µg/kg wet	2.08		88.1	70-132			
N-EtFOSAA (NEtFOSAA)	2.49	0.43	µg/kg wet	2.17		115	61-139			
N-MeFOSAA (NMeFOSAA)	2.16	0.43	µg/kg wet	2.17		99.4	63-144			
Perfluorotetradecanoic acid (PFTA)	2.13	0.43	µg/kg wet	2.17		97.9	69-133			
Perfluorotridecanoic acid (PFTTrDA)	2.06	0.43	µg/kg wet	2.17		94.6	66-139			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.94	0.43	µg/kg wet	2.04		95.3	62-145			
Perfluorodecanesulfonic acid (PFDS)	1.76	0.43	µg/kg wet	2.10		84.0	59-134			
Perfluorooctanesulfonamide (FOSA)	1.97	0.43	µg/kg wet	2.17		90.7	67-137			
Perfluorononanesulfonic acid (PFNS)	1.87	0.43	µg/kg wet	2.09		89.5	69-125			
Perfluoro-1-hexanesulfonamide (FHxSA)	1.99	0.43	µg/kg wet	2.17		91.5	51.4-142			
Perfluoro-1-butanefulfonamide (FBSA)	2.10	0.43	µg/kg wet	2.17		96.6	53.5-129			
Perfluorohexanesulfonic acid (PFHxS)	1.88	0.43	µg/kg wet	1.99		94.5	67-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	1.97	0.43	µg/kg wet	2.17		90.6	57.8-127			
Perfluoro-5-oxahexanoic acid (PFMBA)	1.92	0.43	µg/kg wet	2.17		88.3	56.5-132			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.70	0.43	µg/kg wet	2.07		82.4	64-140			
Perfluoropentanesulfonic acid (PFPeS)	1.96	0.43	µg/kg wet	2.04		95.9	73-123			
Perfluoroundecanoic acid (PFUnA)	1.99	0.43	µg/kg wet	2.17		91.7	64-136			
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	2.05	0.43	µg/kg wet	2.17		94.5	54.5-128			
Perfluoroheptanoic acid (PFHpA)	2.05	0.43	µg/kg wet	2.17		94.5	71-131			
Perfluorooctanoic acid (PFOA)	1.98	0.43	µg/kg wet	2.17		91.2	69-133			
Perfluorooctanesulfonic acid (PFOS)	1.95	0.43	µg/kg wet	2.01		97.0	68-136			
Perfluorononanoic acid (PFNA)	2.26	0.43	µg/kg wet	2.17		104	72-129			
<b>Matrix Spike (B338518-MS1)</b>										
					Source: 23D3154-01 Prepared: 05/03/23 Analyzed: 05/12/23					
Perfluorobutanoic acid (PFBA)	5.41	0.92	µg/kg dry	4.63	ND	117	71-135			
Perfluorobutanesulfonic acid (PFBS)	4.59	0.92	µg/kg dry	4.10	ND	112	72-128			
Perfluoropentanoic acid (PFPeA)	5.36	0.92	µg/kg dry	4.63	ND	116	69-132			
Perfluorohexanoic acid (PFHxA)	4.92	0.92	µg/kg dry	4.63	ND	106	70-132			
11Cl-PF3OUdS (F53B Major)	4.69	0.92	µg/kg dry	4.37	ND	107	4.02-158			
9Cl-PF3ONS (F53B Minor)	4.81	0.92	µg/kg dry	4.32	ND	111	52.5-150			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.97	0.92	µg/kg dry	4.37	ND	90.9	50.7-124			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	5.47	0.92	µg/kg dry	4.63	ND	118	29.2-146			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	4.45	0.92	µg/kg dry	4.45	ND	99.9	65-137			
Perfluorodecanoic acid (PFDA)	5.12	0.92	µg/kg dry	4.63	ND	110	69-133			
Perfluorododecanoic acid (PFDoA)	5.02	0.92	µg/kg dry	4.63	ND	108	69-135			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	5.46	0.92	µg/kg dry	4.12	ND	132	60.7-135			
Perfluoroheptanesulfonic acid (PFHpS)	4.33	0.92	µg/kg dry	4.43	ND	97.7	70-132			
N-EtFOSAA (NEtFOSAA)	6.37	0.92	µg/kg dry	4.63	ND	137	61-139			
N-MeFOSAA (NMeFOSAA)	4.98	0.92	µg/kg dry	4.63	ND	108	63-144			
Perfluorotetradecanoic acid (PFTA)	4.65	0.92	µg/kg dry	4.63	ND	100	69-133			
Perfluorotridecanoic acid (PFTTrDA)	5.28	0.92	µg/kg dry	4.63	ND	114	66-139			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	4.59	0.92	µg/kg dry	4.34	ND	106	62-145			
Perfluorodecanesulfonic acid (PFDS)	4.45	0.92	µg/kg dry	4.47	ND	99.6	59-134			
Perfluorooctanesulfonamide (FOSA)	5.07	0.92	µg/kg dry	4.63	ND	109	67-137			
Perfluorononanesulfonic acid (PFNS)	4.75	0.92	µg/kg dry	4.45	ND	107	69-125			
Perfluoro-1-hexanesulfonamide (FHxSA)	5.21	0.92	µg/kg dry	4.63	ND	113	18.9-162			
Perfluoro-1-butanefulfonamide (FBSA)	5.29	0.92	µg/kg dry	4.63	ND	114	49.8-135			
Perfluorohexanesulfonic acid (PFHxS)	4.79	0.92	µg/kg dry	4.25	ND	113	67-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	5.02	0.92	µg/kg dry	4.63	ND	108	62-155			
Perfluoro-5-oxahexanoic acid (PFMBA)	5.10	0.92	µg/kg dry	4.63	ND	110	52.1-148			

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338518 - SOP 465-PFAAS</b>										
<b>Matrix Spike (B338518-MS1)</b>										
		<b>Source: 23D3154-01</b>			Prepared: 05/03/23 Analyzed: 05/12/23					
6:2 Fluorotelomersulfonic acid (6:2FTS A)	3.44	0.92	µg/kg dry	4.40	ND	78.2	64-140			
Perfluoropentanesulfonic acid (PFPeS)	4.97	0.92	µg/kg dry	4.36	ND	114	73-123			
Perfluoroundecanoic acid (PFUnA)	4.71	0.92	µg/kg dry	4.63	ND	102	64-136			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	5.94	0.92	µg/kg dry	4.63	ND	128	54.6-133			
Perfluoroheptanoic acid (PFHpA)	5.11	0.92	µg/kg dry	4.63	ND	110	71-131			
Perfluorooctanoic acid (PFOA)	5.30	0.92	µg/kg dry	4.63	ND	114	69-133			
Perfluorooctanesulfonic acid (PFOS)	4.62	0.92	µg/kg dry	4.28	ND	108	68-136			
Perfluorononanoic acid (PFNA)	5.62	0.92	µg/kg dry	4.63	ND	121	72-129			
<b>Matrix Spike Dup (B338518-MSD1)</b>										
		<b>Source: 23D3154-01</b>			Prepared: 05/03/23 Analyzed: 05/12/23					
Perfluorobutanoic acid (PFBA)	6.13	0.90	µg/kg dry	4.57	ND	134	71-135	12.3	30	
Perfluorobutanesulfonic acid (PFBS)	5.00	0.90	µg/kg dry	4.04	ND	124	72-128	8.62	30	
Perfluoropentanoic acid (PFPeA)	6.02	0.90	µg/kg dry	4.57	ND	132	69-132	11.7	30	
Perfluorohexanoic acid (PFHxA)	5.70	0.90	µg/kg dry	4.57	ND	125	70-132	14.6	30	
11Cl-PF3OUdS (F53B Major)	5.36	0.90	µg/kg dry	4.30	ND	124	4.02-158	13.3	30	
9Cl-PF3ONS (F53B Minor)	5.34	0.90	µg/kg dry	4.26	ND	125	52.5-150	10.4	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	4.67	0.90	µg/kg dry	4.30	ND	109	50.7-124	16.3	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	5.72	0.90	µg/kg dry	4.57	ND	125	29.2-146	4.37	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	5.30	0.90	µg/kg dry	4.39	ND	121	65-137	17.5	30	
<b>Perfluorodecanoic acid (PFDA)</b>	6.17	0.90	µg/kg dry	4.57	ND	<b>135</b>	* 69-133	18.6	30	MS-22
Perfluorododecanoic acid (PFDoA)	6.08	0.90	µg/kg dry	4.57	ND	133	69-135	19.1	30	
<b>Perfluoro(2-ethoxyethane)sulfonic acid (PFEEASA)</b>	5.86	0.90	µg/kg dry	4.07	ND	<b>144</b>	* 60.7-135	6.93	30	MS-22
Perfluoroheptanesulfonic acid (PFHpS)	4.64	0.90	µg/kg dry	4.37	ND	106	70-132	7.03	30	
<b>N-EtFOSAA (NEtFOSAA)</b>	7.18	0.90	µg/kg dry	4.57	ND	<b>157</b>	* 61-139	12.0	30	MS-22
N-MeFOSAA (NMeFOSAA)	5.15	0.90	µg/kg dry	4.57	ND	113	63-144	3.28	30	
Perfluorotetradecanoic acid (PFTA)	5.67	0.90	µg/kg dry	4.57	ND	124	69-133	19.9	30	
Perfluorotridecanoic acid (PFTrDA)	5.84	0.90	µg/kg dry	4.57	ND	128	66-139	10.0	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	5.20	0.90	µg/kg dry	4.28	ND	122	62-145	12.4	30	
Perfluorodecanesulfonic acid (PFDS)	4.94	0.90	µg/kg dry	4.40	ND	112	59-134	10.5	30	
Perfluorooctanesulfonamide (FOSA)	5.68	0.90	µg/kg dry	4.57	ND	124	67-137	11.4	30	
<b>Perfluorononanesulfonic acid (PFNS)</b>	5.54	0.90	µg/kg dry	4.39	ND	<b>126</b>	* 69-125	15.3	30	MS-22
Perfluoro-1-hexanesulfonamide (FHxSA)	6.23	0.90	µg/kg dry	4.57	ND	136	18.9-162	17.7	30	
Perfluoro-1-butanesulfonamide (FBSA)	5.89	0.90	µg/kg dry	4.57	ND	129	49.8-135	10.8	30	
Perfluorohexanesulfonic acid (PFHxS)	5.14	0.90	µg/kg dry	4.18	ND	123	67-130	7.01	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	5.76	0.90	µg/kg dry	4.57	ND	126	62-155	13.7	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	5.76	0.90	µg/kg dry	4.57	ND	126	52.1-148	12.1	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	5.00	0.90	µg/kg dry	4.34	ND	115	64-140	<b>36.8</b>	* 30	R-06
<b>Perfluoropentanesulfonic acid (PFPeS)</b>	5.30	0.90	µg/kg dry	4.29	ND	<b>124</b>	* 73-123	6.53	30	MS-22
Perfluoroundecanoic acid (PFUnA)	5.17	0.90	µg/kg dry	4.57	ND	113	64-136	9.37	30	
<b>Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)</b>	6.68	0.90	µg/kg dry	4.57	ND	<b>146</b>	* 54.6-133	11.7	30	MS-22
<b>Perfluoroheptanoic acid (PFHpA)</b>	6.07	0.90	µg/kg dry	4.57	ND	<b>133</b>	* 71-131	17.1	30	MS-22
<b>Perfluorooctanoic acid (PFOA)</b>	6.53	0.90	µg/kg dry	4.57	ND	<b>143</b>	* 69-133	20.9	30	MS-22
Perfluorooctanesulfonic acid (PFOS)	5.68	0.90	µg/kg dry	4.22	ND	135	68-136	20.7	30	
Perfluorononanoic acid (PFNA)	5.87	0.90	µg/kg dry	4.57	ND	128	72-129	4.32	30	



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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B339724 - SOP 465-PFAAS**
**Blank (B339724-BLK1)**

Prepared: 05/15/23 Analyzed: 05/16/23

Perfluorobutanoic acid (PFBA)	ND	0.43	µg/kg wet							
Perfluorobutanesulfonic acid (PFBS)	ND	0.43	µg/kg wet							
Perfluoropentanoic acid (PFPeA)	ND	0.43	µg/kg wet							
Perfluorohexanoic acid (PFHxA)	ND	0.43	µg/kg wet							
11Cl-PF3OUdS (F53B Major)	ND	0.43	µg/kg wet							
9Cl-PF3ONS (F53B Minor)	ND	0.43	µg/kg wet							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.43	µg/kg wet							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.43	µg/kg wet							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	0.43	µg/kg wet							
Perfluorodecanoic acid (PFDA)	ND	0.43	µg/kg wet							
Perfluorododecanoic acid (PFDoA)	ND	0.43	µg/kg wet							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	0.43	µg/kg wet							
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.43	µg/kg wet							
N-EtFOSAA (NEtFOSAA)	ND	0.43	µg/kg wet							
N-MeFOSAA (NMeFOSAA)	ND	0.43	µg/kg wet							
Perfluorotetradecanoic acid (PFTA)	ND	0.43	µg/kg wet							
Perfluorotridecanoic acid (PFTrDA)	ND	0.43	µg/kg wet							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	0.43	µg/kg wet							
Perfluorodecanesulfonic acid (PFDS)	ND	0.43	µg/kg wet							
Perfluorooctanesulfonamide (FOSA)	ND	0.43	µg/kg wet							
Perfluorononanesulfonic acid (PFNS)	ND	0.43	µg/kg wet							
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.43	µg/kg wet							
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.43	µg/kg wet							
Perfluorohexanesulfonic acid (PFHxS)	ND	0.43	µg/kg wet							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.43	µg/kg wet							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.43	µg/kg wet							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	0.43	µg/kg wet							
Perfluoropentanesulfonic acid (PFPeS)	ND	0.43	µg/kg wet							
Perfluoroundecanoic acid (PFUnA)	ND	0.43	µg/kg wet							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.43	µg/kg wet							
Perfluoroheptanoic acid (PFHpA)	ND	0.43	µg/kg wet							
Perfluorooctanoic acid (PFOA)	ND	0.43	µg/kg wet							
Perfluorooctanesulfonic acid (PFOS)	ND	0.43	µg/kg wet							
Perfluorononanoic acid (PFNA)	ND	0.43	µg/kg wet							

**LCS (B339724-BS1)**

Prepared: 05/15/23 Analyzed: 05/16/23

Perfluorobutanoic acid (PFBA)	1.96	0.42	µg/kg wet	2.13		92.3	71-135			
Perfluorobutanesulfonic acid (PFBS)	1.64	0.42	µg/kg wet	1.88		87.2	72-128			
Perfluoropentanoic acid (PFPeA)	1.94	0.42	µg/kg wet	2.13		91.3	69-132			
Perfluorohexanoic acid (PFHxA)	1.96	0.42	µg/kg wet	2.13		92.4	70-132			
11Cl-PF3OUdS (F53B Major)	1.68	0.42	µg/kg wet	2.00		83.9	41.8-128			
9Cl-PF3ONS (F53B Minor)	1.56	0.42	µg/kg wet	1.98		78.6	51.1-141			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.66	0.42	µg/kg wet	2.00		82.8	55.2-122			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.51	0.42	µg/kg wet	2.13		71.1	27.6-137			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.83	0.42	µg/kg wet	2.04		89.5	65-137			
Perfluorodecanoic acid (PFDA)	2.02	0.42	µg/kg wet	2.13		95.1	69-133			
Perfluorododecanoic acid (PFDoA)	1.77	0.42	µg/kg wet	2.13		83.5	69-135			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	1.98	0.42	µg/kg wet	1.89		105	56.7-133			

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B339724 - SOP 465-PFAAS</b>										
<b>LCS (B339724-BS1)</b>										
Prepared: 05/15/23 Analyzed: 05/16/23										
Perfluoroheptanesulfonic acid (PFHpS)	1.69	0.42	µg/kg wet	2.03		83.4	70-132			
N-EtFOSAA (NEtFOSAA)	2.01	0.42	µg/kg wet	2.13		94.7	61-139			
N-MeFOSAA (NMeFOSAA)	1.84	0.42	µg/kg wet	2.13		86.5	63-144			
Perfluorotetradecanoic acid (PFTA)	1.76	0.42	µg/kg wet	2.13		82.7	69-133			
Perfluorotridecanoic acid (PFTrDA)	1.97	0.42	µg/kg wet	2.13		92.7	66-139			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.88	0.42	µg/kg wet	1.99		94.3	62-145			
Perfluorodecanesulfonic acid (PFDS)	2.04	0.42	µg/kg wet	2.05		99.5	59-134			
Perfluorooctanesulfonamide (FOSA)	1.83	0.42	µg/kg wet	2.13		86.2	67-137			
Perfluorononanesulfonic acid (PFNS)	1.59	0.42	µg/kg wet	2.04		77.9	69-125			
Perfluoro-1-hexanesulfonamide (FHxSA)	2.24	0.42	µg/kg wet	2.13		106	51.4-142			
Perfluoro-1-butanefulfonamide (FBSA)	2.07	0.42	µg/kg wet	2.13		97.4	53.5-129			
Perfluorohexanesulfonic acid (PFHxS)	1.77	0.42	µg/kg wet	1.95		91.1	67-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	2.00	0.42	µg/kg wet	2.13		93.9	57.8-127			
Perfluoro-5-oxahexanoic acid (PFMBA)	1.84	0.42	µg/kg wet	2.13		86.5	56.5-132			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.44	0.42	µg/kg wet	2.02		71.5	64-140			
Perfluoropentanesulfonic acid (PFPeS)	1.68	0.42	µg/kg wet	2.00		84.1	73-123			
Perfluoroundecanoic acid (PFUnA)	1.95	0.42	µg/kg wet	2.13		91.5	64-136			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.91	0.42	µg/kg wet	2.13		90.0	54.5-128			
Perfluoroheptanoic acid (PFHpA)	2.01	0.42	µg/kg wet	2.13		94.5	71-131			
Perfluorooctanoic acid (PFOA)	1.94	0.42	µg/kg wet	2.13		91.1	69-133			
Perfluorooctanesulfonic acid (PFOS)	1.68	0.42	µg/kg wet	1.96		85.6	68-136			
Perfluorononanoic acid (PFNA)	1.91	0.42	µg/kg wet	2.13		89.7	72-129			

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
PF-18	Duplicate analysis confirmed Extracted Internal Standard failure due to matrix effects.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
S-29	Extracted Internal Standard is outside of control limits.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-01A-20230425 (23D3154-01 )</b>			Lab File ID: 23D3154-01.d			Analyzed: 05/12/23 07:49			
M8FOSA	176884.1	4.05255	232,606.00	4.052516	76	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	47748.51	2.537883	78,799.00	2.4886	61	50 - 150	0.0493	+/-0.50	
M2PF <sub>T</sub> A	488279.1	4.305367	639,112.00	4.27305	76	50 - 150	0.0323	+/-0.50	
M2-8:2FTS	45632.58	3.802817	65,957.00	3.778883	69	50 - 150	0.0239	+/-0.50	
MPFBA	399614.6	1.100017	525,734.00	1.075083	76	50 - 150	0.0249	+/-0.50	
M3HFPO-DA	91168.3	2.872033	135,411.00	2.822933	67	50 - 150	0.0491	+/-0.50	
M6PFDA	357901.1	3.803333	488,184.00	3.779417	73	50 - 150	0.0239	+/-0.50	
M3PFBS	101748.2	1.9364	144,937.00	1.894967	70	50 - 150	0.0414	+/-0.50	
M7PFU <sub>n</sub> A	355903.9	3.93805	445,936.00	3.914067	80	50 - 150	0.0240	+/-0.50	
M2-6:2FTS	26466.85	3.461417	40,257.00	3.4373	66	50 - 150	0.0241	+/-0.50	
M5PFPeA	318785.6	1.757717	449,031.00	1.714833	71	50 - 150	0.0429	+/-0.50	
M5PFH <sub>x</sub> A	520932.9	2.621617	800,305.00	2.572333	65	50 - 150	0.0493	+/-0.50	
M3PFH <sub>x</sub> S	69638.17	3.242583	107,652.00	3.21025	65	50 - 150	0.0323	+/-0.50	
M4PFH <sub>p</sub> A	532015.5	3.2031	856,297.00	3.178867	62	50 - 150	0.0242	+/-0.50	
M8PFOA	478677.6	3.469933	837,098.00	3.445833	57	50 - 150	0.0241	+/-0.50	
M8PFOS	58554.93	3.652167	80,920.00	3.6282	72	50 - 150	0.0240	+/-0.50	
M9PFNA	356618.1	3.653217	541,836.00	3.629233	66	50 - 150	0.0240	+/-0.50	
MPFDoA	339208	4.072683	405,476.00	4.040683	84	50 - 150	0.0320	+/-0.50	
D5-NEtFOSAA	74769.98	3.945533	115,737.00	3.921533	65	50 - 150	0.0240	+/-0.50	
D3-NMeFOSAA	101390.2	3.873783	132,342.00	3.8497	77	50 - 150	0.0241	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-02A-20230425 (23D3154-02 )</b>		Lab File ID: 23D3154-02.d			Analyzed: 05/12/23 08:12				
M8FOSA	176702.7	4.052516	232,606.00	4.052533	76	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	45522.02	2.537883	78,799.00	2.529667	58	50 - 150	0.0082	+/-0.50	
M2PF <sub>TA</sub>	534426.8	4.30535	639,112.00	4.30535	84	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	42798.95	3.8028	65,957.00	3.8028	65	50 - 150	0.0000	+/-0.50	
MPF <sub>BA</sub>	346769	1.100017	525,734.00	1.0917	66	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	103520.8	2.872033	135,411.00	2.872033	76	50 - 150	0.0000	+/-0.50	
M6PF <sub>DA</sub>	419950.6	3.803317	488,184.00	3.803317	86	50 - 150	0.0000	+/-0.50	
M3PF <sub>BS</sub>	94915.2	1.9364	144,937.00	1.928117	65	50 - 150	0.0083	+/-0.50	
M7PF <sub>UnA</sub>	404138.6	3.93805	445,936.00	3.93805	91	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	24318.1	3.461417	40,257.00	3.461417	60	50 - 150	0.0000	+/-0.50	
M5PF <sub>PeA</sub>	292742.3	1.749417	449,031.00	1.749417	65	50 - 150	0.0000	+/-0.50	
M5PF <sub>HxA</sub>	526754.4	2.621617	800,305.00	2.621617	66	50 - 150	0.0000	+/-0.50	
M3PF <sub>HxS</sub>	75814.4	3.242583	107,652.00	3.2345	70	50 - 150	0.0081	+/-0.50	
M4PF <sub>HpA</sub>	550832.8	3.203083	856,297.00	3.203083	64	50 - 150	0.0000	+/-0.50	
M8PF <sub>OA</sub>	519019.6	3.469933	837,098.00	3.469917	62	50 - 150	0.0000	+/-0.50	
M8PF <sub>OS</sub>	59259.11	3.652167	80,920.00	3.65215	73	50 - 150	0.0000	+/-0.50	
M9PF <sub>NA</sub>	406767.3	3.6532	541,836.00	3.6532	75	50 - 150	0.0000	+/-0.50	
MPF <sub>DoA</sub>	347651.7	4.072667	405,476.00	4.072667	86	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	86253.52	3.945517	115,737.00	3.945517	75	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	97486.05	3.873767	132,342.00	3.873783	74	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-03A-20230425 (23D3154-03 )</b>			Lab File ID: 23D3154-03.d			Analyzed: 05/12/23 08:19			
M8FOSA	264977.9	4.052533	232,606.00	4.052533	114	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	58070.26	2.537883	78,799.00	2.529667	74	50 - 150	0.0082	+/-0.50	
M2PF <sub>T</sub> A	415091.6	4.305367	639,112.00	4.30535	65	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	53406.07	3.802817	65,957.00	3.8028	81	50 - 150	0.0000	+/-0.50	
MPFBA	569651.8	1.100017	525,734.00	1.0917	108	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	119171.5	2.87205	135,411.00	2.872033	88	50 - 150	0.0000	+/-0.50	
M6PFDA	453511.9	3.803333	488,184.00	3.803317	93	50 - 150	0.0000	+/-0.50	
M3PFBS	125227.9	1.9364	144,937.00	1.928117	86	50 - 150	0.0083	+/-0.50	
M7PFU <sub>n</sub> A	440019.7	3.93805	445,936.00	3.93805	99	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	32780.08	3.461433	40,257.00	3.461417	81	50 - 150	0.0000	+/-0.50	
M5PFPeA	422713.5	1.757717	449,031.00	1.749417	94	50 - 150	0.0083	+/-0.50	
M5PFH <sub>x</sub> A	656651.2	2.621617	800,305.00	2.621617	82	50 - 150	0.0000	+/-0.50	
M3PFH <sub>x</sub> S	92130.95	3.2426	107,652.00	3.2345	86	50 - 150	0.0081	+/-0.50	
M4PFH <sub>p</sub> A	668654.9	3.211467	856,297.00	3.203083	78	50 - 150	0.0084	+/-0.50	
M8PFOA	622080.6	3.469933	837,098.00	3.469917	74	50 - 150	0.0000	+/-0.50	
M8PFOS	73467.39	3.652167	80,920.00	3.65215	91	50 - 150	0.0000	+/-0.50	
M9PFNA	423091.8	3.653217	541,836.00	3.6532	78	50 - 150	0.0000	+/-0.50	
MPFDoA	374475.6	4.072683	405,476.00	4.072667	92	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	79439.59	3.945533	115,737.00	3.945517	69	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	122606.7	3.873783	132,342.00	3.873783	93	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-04A-20230425 (23D3154-04 )</b>			Lab File ID: 23D3154-04.d			Analyzed: 05/12/23 08:26			
M8FOSA	195409.1	4.052533	232,606.00	4.052533	84	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	57935.1	2.537883	78,799.00	2.529667	74	50 - 150	0.0082	+/-0.50	
M2PFTA	373229.7	4.305367	639,112.00	4.30535	58	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	42613.3	3.802817	65,957.00	3.8028	65	50 - 150	0.0000	+/-0.50	
MPFBA	537387.4	1.100017	525,734.00	1.0917	102	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	132456.8	2.872033	135,411.00	2.872033	98	50 - 150	0.0000	+/-0.50	
M6PFDA	387843.9	3.803333	488,184.00	3.803317	79	50 - 150	0.0000	+/-0.50	
M3PFBS	127690.9	1.9364	144,937.00	1.928117	88	50 - 150	0.0083	+/-0.50	
M7PFUnA	357839.2	3.938067	445,936.00	3.93805	80	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	34025.11	3.461417	40,257.00	3.461417	85	50 - 150	0.0000	+/-0.50	
M5PFPeA	418025.3	1.757717	449,031.00	1.749417	93	50 - 150	0.0083	+/-0.50	
M5PFHxA	643443.6	2.621617	800,305.00	2.621617	80	50 - 150	0.0000	+/-0.50	
M3PFHxS	83997.74	3.242583	107,652.00	3.2345	78	50 - 150	0.0081	+/-0.50	
M4PFHpA	650112.9	3.21145	856,297.00	3.203083	76	50 - 150	0.0084	+/-0.50	
M8PFOA	564926.3	3.477917	837,098.00	3.469917	67	50 - 150	0.0080	+/-0.50	
M8PFOS	67817.92	3.652167	80,920.00	3.65215	84	50 - 150	0.0000	+/-0.50	
M9PFNA	360050.8	3.6532	541,836.00	3.6532	66	50 - 150	0.0000	+/-0.50	
MPFDoA	300766.9	4.072683	405,476.00	4.072667	74	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	74252.09	3.945533	115,737.00	3.945517	64	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	106602.4	3.8738	132,342.00	3.873783	81	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-05-20230425 (23D3154-05 )</b>									
			Lab File ID: 23D3154-05.d			Analyzed: 05/12/23 08:33			
M8FOSA	199454.3	4.052516	232,606.00	4.052533	86	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	55694.55	2.537883	78,799.00	2.529667	71	50 - 150	0.0082	+/-0.50	
M2PF <sub>T</sub> A	473075.3	4.305333	639,112.00	4.30535	74	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	51344.77	3.8028	65,957.00	3.8028	78	50 - 150	0.0000	+/-0.50	
MPFBA	526267.8	1.100017	525,734.00	1.0917	100	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	121010.1	2.872033	135,411.00	2.872033	89	50 - 150	0.0000	+/-0.50	
M6PFDA	419046.1	3.803317	488,184.00	3.803317	86	50 - 150	0.0000	+/-0.50	
M3PFBS	130818.8	1.9364	144,937.00	1.928117	90	50 - 150	0.0083	+/-0.50	
M7PFU <sub>n</sub> A	408208.1	3.938033	445,936.00	3.93805	92	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	30518.58	3.4614	40,257.00	3.461417	76	50 - 150	0.0000	+/-0.50	
M5PFPeA	411440	1.757717	449,031.00	1.749417	92	50 - 150	0.0083	+/-0.50	
M5PFHxA	636352.7	2.621617	800,305.00	2.621617	80	50 - 150	0.0000	+/-0.50	
M3PFHxS	84289.58	3.242583	107,652.00	3.2345	78	50 - 150	0.0081	+/-0.50	
M4PFHpA	649536.1	3.203083	856,297.00	3.203083	76	50 - 150	0.0000	+/-0.50	
M8PFOA	596252.6	3.469917	837,098.00	3.469917	71	50 - 150	0.0000	+/-0.50	
M8PFOS	72337.71	3.65215	80,920.00	3.65215	89	50 - 150	0.0000	+/-0.50	
M9PFNA	426832.8	3.653183	541,836.00	3.6532	79	50 - 150	0.0000	+/-0.50	
MPFDoA	357985.8	4.07265	405,476.00	4.072667	88	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	81767.29	3.9455	115,737.00	3.945517	71	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	114699.9	3.873767	132,342.00	3.873783	87	50 - 150	0.0000	+/-0.50	



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## INTERNAL STANDARD AREA AND RT SUMMARY

## SOP-466 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-06-20230425 (23D3154-06 )</b>			Lab File ID: 23D3154-06.d			Analyzed: 05/12/23 08:41			
M8FOSA	180046.1	4.052533	232,606.00	4.052533	77	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	52309.38	2.537883	78,799.00	2.529667	66	50 - 150	0.0082	+/-0.50	
M2PF <sub>T</sub> A	422754.7	4.30535	639,112.00	4.30535	66	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	46118.51	3.8028	65,957.00	3.8028	70	50 - 150	0.0000	+/-0.50	
MPFBA	435928.8	1.100017	525,734.00	1.0917	83	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	110773.4	2.872033	135,411.00	2.872033	82	50 - 150	0.0000	+/-0.50	
M6PFDA	399330.8	3.803317	488,184.00	3.803317	82	50 - 150	0.0000	+/-0.50	
M3PFBS	107534	1.9364	144,937.00	1.928117	74	50 - 150	0.0083	+/-0.50	
M7PFU <sub>n</sub> A	346959.3	3.93805	445,936.00	3.93805	78	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	26979.1	3.461417	40,257.00	3.461417	67	50 - 150	0.0000	+/-0.50	
M5PFPeA	348957.5	1.757717	449,031.00	1.749417	78	50 - 150	0.0083	+/-0.50	
M5PFH <sub>x</sub> A	554269.6	2.621617	800,305.00	2.621617	69	50 - 150	0.0000	+/-0.50	
M3PFH <sub>x</sub> S	74384.02	3.242583	107,652.00	3.2345	69	50 - 150	0.0081	+/-0.50	
M4PFH <sub>p</sub> A	561443.4	3.203083	856,297.00	3.203083	66	50 - 150	0.0000	+/-0.50	
M8PFOA	500423.3	3.469917	837,098.00	3.469917	60	50 - 150	0.0000	+/-0.50	
M8PFOS	62985.82	3.652167	80,920.00	3.65215	78	50 - 150	0.0000	+/-0.50	
M9PFNA	336984.3	3.6532	541,836.00	3.6532	62	50 - 150	0.0000	+/-0.50	
MPFDoA	318693	4.072667	405,476.00	4.072667	79	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	69105.15	3.945517	115,737.00	3.945517	60	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	102275.3	3.873783	132,342.00	3.873783	77	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-07-20230425 (23D3154-07 )</b>									
			Lab File ID: 23D3154-07.d			Analyzed: 05/12/23 08:48			
M8FOSA	210217.4	4.052516	232,606.00	4.052533	90	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	70638.84	2.537883	78,799.00	2.529667	90	50 - 150	0.0082	+/-0.50	
M2PF <sub>T</sub> A	655530.9	4.30535	639,112.00	4.30535	103	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	57487.57	3.8028	65,957.00	3.8028	87	50 - 150	0.0000	+/-0.50	
MPFBA	647716	1.100017	525,734.00	1.0917	123	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	137683.4	2.872033	135,411.00	2.872033	102	50 - 150	0.0000	+/-0.50	
M6PFDA	455739.9	3.803317	488,184.00	3.803317	93	50 - 150	0.0000	+/-0.50	
M3PFBS	162747	1.9364	144,937.00	1.928117	112	50 - 150	0.0083	+/-0.50	
M7PFU <sub>n</sub> A	444495	3.938033	445,936.00	3.93805	100	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	42221.57	3.4614	40,257.00	3.461417	105	50 - 150	0.0000	+/-0.50	
M5PFPeA	515402.9	1.757717	449,031.00	1.749417	115	50 - 150	0.0083	+/-0.50	
M5PFH <sub>x</sub> A	826664.6	2.621617	800,305.00	2.621617	103	50 - 150	0.0000	+/-0.50	
M3PFH <sub>x</sub> S	114235.9	3.242583	107,652.00	3.2345	106	50 - 150	0.0081	+/-0.50	
M4PFH <sub>p</sub> A	832434	3.203083	856,297.00	3.203083	97	50 - 150	0.0000	+/-0.50	
M8PFOA	699787.6	3.469917	837,098.00	3.469917	84	50 - 150	0.0000	+/-0.50	
M8PFOS	86571.88	3.65215	80,920.00	3.65215	107	50 - 150	0.0000	+/-0.50	
M9PFNA	478257.3	3.653183	541,836.00	3.6532	88	50 - 150	0.0000	+/-0.50	
MPFDoA	395732.4	4.07265	405,476.00	4.072667	98	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	93632.41	3.9455	115,737.00	3.945517	81	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	116701	3.873767	132,342.00	3.873783	88	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-08-20230425 (23D3154-08 )</b>			Lab File ID: 23D3154-08.d			Analyzed: 05/12/23 08:55			
M8FOSA	201082.5	4.052516	232,606.00	4.052533	86	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	55125.2	2.537883	78,799.00	2.529667	70	50 - 150	0.0082	+/-0.50	
M2PF <sub>T</sub> A	242774	4.30535	639,112.00	4.30535	38	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	46457.65	3.8028	65,957.00	3.8028	70	50 - 150	0.0000	+/-0.50	
MPFBA	491899.6	1.100017	525,734.00	1.0917	94	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	111453.8	2.872033	135,411.00	2.872033	82	50 - 150	0.0000	+/-0.50	
M6PFDA	371546	3.803317	488,184.00	3.803317	76	50 - 150	0.0000	+/-0.50	
M3PFBS	111202.1	1.9364	144,937.00	1.928117	77	50 - 150	0.0083	+/-0.50	
M7PFU <sub>n</sub> A	364923.6	3.93805	445,936.00	3.93805	82	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	28590.17	3.461417	40,257.00	3.461417	71	50 - 150	0.0000	+/-0.50	
M5PFPeA	365026.7	1.757717	449,031.00	1.749417	81	50 - 150	0.0083	+/-0.50	
M5PFH <sub>x</sub> A	576685.5	2.621617	800,305.00	2.621617	72	50 - 150	0.0000	+/-0.50	
M3PFH <sub>x</sub> S	77461.11	3.242583	107,652.00	3.2345	72	50 - 150	0.0081	+/-0.50	
M4PFH <sub>p</sub> A	573534	3.2031	856,297.00	3.203083	67	50 - 150	0.0000	+/-0.50	
M8PFOA	479347.7	3.469933	837,098.00	3.469917	57	50 - 150	0.0000	+/-0.50	
M8PFOS	56776.56	3.652167	80,920.00	3.65215	70	50 - 150	0.0000	+/-0.50	
M9PFNA	332956.6	3.6532	541,836.00	3.6532	61	50 - 150	0.0000	+/-0.50	
MPFDoA	267317	4.072667	405,476.00	4.072667	66	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	48676.45	3.945517	115,737.00	3.945517	42	50 - 150	0.0000	+/-0.50	*
D3-NMeFOSAA	76979.19	3.873767	132,342.00	3.873783	58	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-09-20230425 (23D3154-09 )</b>			Lab File ID: 23D3154-09.d			Analyzed: 05/12/23 09:02			
M8FOSA	173898.8	4.052516	232,606.00	4.052533	75	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	44886.68	2.537883	78,799.00	2.529667	57	50 - 150	0.0082	+/-0.50	
M2PF <sub>TA</sub>	95646.2	4.30535	639,112.00	4.30535	15	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	39550.93	3.8028	65,957.00	3.8028	60	50 - 150	0.0000	+/-0.50	
MPF <sub>BA</sub>	420863.6	1.100017	525,734.00	1.0917	80	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	101786.9	2.872033	135,411.00	2.872033	75	50 - 150	0.0000	+/-0.50	
M6PF <sub>DA</sub>	337596.3	3.803317	488,184.00	3.803317	69	50 - 150	0.0000	+/-0.50	
M3PF <sub>BS</sub>	106453.7	1.9364	144,937.00	1.928117	73	50 - 150	0.0083	+/-0.50	
M7PF <sub>UnA</sub>	273477.4	3.938033	445,936.00	3.93805	61	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	25646.56	3.461417	40,257.00	3.461417	64	50 - 150	0.0000	+/-0.50	
M5PF <sub>PeA</sub>	336842.6	1.757717	449,031.00	1.749417	75	50 - 150	0.0083	+/-0.50	
M5PF <sub>HxA</sub>	530365.3	2.629833	800,305.00	2.621617	66	50 - 150	0.0082	+/-0.50	
M3PF <sub>HxS</sub>	71006.82	3.242583	107,652.00	3.2345	66	50 - 150	0.0081	+/-0.50	
M4PF <sub>HpA</sub>	533150.5	3.21145	856,297.00	3.203083	62	50 - 150	0.0084	+/-0.50	
M8PFOA	462030.3	3.4779	837,098.00	3.469917	55	50 - 150	0.0080	+/-0.50	
M8PFOS	55688.65	3.65215	80,920.00	3.65215	69	50 - 150	0.0000	+/-0.50	
M9PF <sub>NA</sub>	323133.1	3.661183	541,836.00	3.6532	60	50 - 150	0.0080	+/-0.50	
MPF <sub>DoA</sub>	200720.4	4.072667	405,476.00	4.072667	50	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	37000.66	3.945517	115,737.00	3.945517	32	50 - 150	0.0000	+/-0.50	*
D3-NMeFOSAA	60525.8	3.873767	132,342.00	3.873783	46	50 - 150	0.0000	+/-0.50	*

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-10-20230425 (23D3154-10 )</b>			Lab File ID: 23D3154-10.d			Analyzed: 05/12/23 09:10			
M8FOSA	215769.7	4.052533	232,606.00	4.052533	93	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	62981.1	2.537883	78,799.00	2.529667	80	50 - 150	0.0082	+/-0.50	
M2PF <sub>TA</sub>	161322	4.305367	639,112.00	4.30535	25	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	51902.56	3.8028	65,957.00	3.8028	79	50 - 150	0.0000	+/-0.50	
MPF <sub>BA</sub>	538739.5	1.100017	525,734.00	1.0917	102	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	130249.4	2.872033	135,411.00	2.872033	96	50 - 150	0.0000	+/-0.50	
M6PF <sub>DA</sub>	437606.5	3.803333	488,184.00	3.803317	90	50 - 150	0.0000	+/-0.50	
M3PF <sub>BS</sub>	137334.6	1.9364	144,937.00	1.928117	95	50 - 150	0.0083	+/-0.50	
M7PF <sub>UnA</sub>	365633.7	3.93805	445,936.00	3.93805	82	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	33722.85	3.461417	40,257.00	3.461417	84	50 - 150	0.0000	+/-0.50	
M5PF <sub>PeA</sub>	429885.9	1.757717	449,031.00	1.749417	96	50 - 150	0.0083	+/-0.50	
M5PF <sub>HxA</sub>	670984.7	2.621617	800,305.00	2.621617	84	50 - 150	0.0000	+/-0.50	
M3PF <sub>HxS</sub>	88963.9	3.242583	107,652.00	3.2345	83	50 - 150	0.0081	+/-0.50	
M4PF <sub>HpA</sub>	679320.9	3.2031	856,297.00	3.203083	79	50 - 150	0.0000	+/-0.50	
M8PF <sub>OA</sub>	590593.8	3.469933	837,098.00	3.469917	71	50 - 150	0.0000	+/-0.50	
M8PF <sub>OS</sub>	74155.76	3.652167	80,920.00	3.65215	92	50 - 150	0.0000	+/-0.50	
M9PF <sub>NA</sub>	413602.7	3.6532	541,836.00	3.6532	76	50 - 150	0.0000	+/-0.50	
MPF <sub>DoA</sub>	307391.4	4.072683	405,476.00	4.072667	76	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	51314.63	3.945517	115,737.00	3.945517	44	50 - 150	0.0000	+/-0.50	*
D3-NMeFOSAA	82418	3.873783	132,342.00	3.873783	62	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-11-20230425 (23D3154-11 )</b>			Lab File ID: 23D3154-11.d			Analyzed: 05/12/23 09:17			
M8FOSA	190780.8	4.052533	232,606.00	4.052533	82	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	56893.11	2.537883	78,799.00	2.529667	72	50 - 150	0.0082	+/-0.50	
M2PF <sub>T</sub> A	449370.6	4.305367	639,112.00	4.30535	70	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	55807.01	3.802817	65,957.00	3.8028	85	50 - 150	0.0000	+/-0.50	
MPFBA	514467.8	1.100017	525,734.00	1.0917	98	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	120842.4	2.872033	135,411.00	2.872033	89	50 - 150	0.0000	+/-0.50	
M6PFDA	434438.2	3.803333	488,184.00	3.803317	89	50 - 150	0.0000	+/-0.50	
M3PFBS	122851.4	1.9364	144,937.00	1.928117	85	50 - 150	0.0083	+/-0.50	
M7PFUnA	394955	3.93805	445,936.00	3.93805	89	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	28893.45	3.461417	40,257.00	3.461417	72	50 - 150	0.0000	+/-0.50	
M5PFPeA	408014.8	1.757717	449,031.00	1.749417	91	50 - 150	0.0083	+/-0.50	
M5PFHxA	642584.8	2.621617	800,305.00	2.621617	80	50 - 150	0.0000	+/-0.50	
M3PFHxS	83677.56	3.2426	107,652.00	3.2345	78	50 - 150	0.0081	+/-0.50	
M4PFHpA	643144.7	3.2031	856,297.00	3.203083	75	50 - 150	0.0000	+/-0.50	
M8PFOA	542371.1	3.469933	837,098.00	3.469917	65	50 - 150	0.0000	+/-0.50	
M8PFOS	68352.65	3.652167	80,920.00	3.65215	84	50 - 150	0.0000	+/-0.50	
M9PFNA	373037.3	3.653217	541,836.00	3.6532	69	50 - 150	0.0000	+/-0.50	
MPFDoA	367686.8	4.072683	405,476.00	4.072667	91	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	74498.21	3.945533	115,737.00	3.945517	64	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	104414	3.873783	132,342.00	3.873783	79	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SED-12-20230425 (23D3154-12 )</b>									
			Lab File ID: 23D3154-12.d			Analyzed: 05/12/23 09:39			
M8FOSA	210709	4.052533	232,606.00	4.052533	91	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	69838.41	2.537883	78,799.00	2.529667	89	50 - 150	0.0082	+/-0.50	
M2PFTA	336253.9	4.30535	639,112.00	4.305367	53	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	55275.36	3.8028	65,957.00	3.8028	84	50 - 150	0.0000	+/-0.50	
MPFBA	550488.8	1.100017	525,734.00	1.0917	105	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	138867	2.872033	135,411.00	2.86385	103	50 - 150	0.0082	+/-0.50	
M6PFDA	450392.7	3.803333	488,184.00	3.803317	92	50 - 150	0.0000	+/-0.50	
M3PFBS	137091.7	1.9364	144,937.00	1.928117	95	50 - 150	0.0083	+/-0.50	
M7PFUnA	402037.1	3.93805	445,936.00	3.93805	90	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	42204.98	3.461417	40,257.00	3.461417	105	50 - 150	0.0000	+/-0.50	
M5PFPeA	448251	1.757717	449,031.00	1.749417	100	50 - 150	0.0083	+/-0.50	
M5PFHxA	748888.6	2.621617	800,305.00	2.621617	94	50 - 150	0.0000	+/-0.50	
M3PFHxS	103290.4	3.242583	107,652.00	3.2345	96	50 - 150	0.0081	+/-0.50	
M4PFHpA	794442.2	3.203083	856,297.00	3.2031	93	50 - 150	0.0000	+/-0.50	
M8PFOA	698987.4	3.469933	837,098.00	3.469933	84	50 - 150	0.0000	+/-0.50	
M8PFOS	75202.5	3.652167	80,920.00	3.652167	93	50 - 150	0.0000	+/-0.50	
M9PFNA	487881.7	3.6532	541,836.00	3.6532	90	50 - 150	0.0000	+/-0.50	
MPFDoA	304337.2	4.072667	405,476.00	4.072683	75	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	83319.84	3.945517	115,737.00	3.945533	72	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	103640.8	3.873783	132,342.00	3.873783	78	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>DUPLICATE-2023-04-25 (23D3154-13)</b>									
			Lab File ID: 23D3154-13.d			Analyzed: 05/12/23 09:46			
M8FOSA	215103.4	4.052533	232,606.00	4.052533	92	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	63254.18	2.537883	78,799.00	2.529667	80	50 - 150	0.0082	+/-0.50	
M2PF <sub>T</sub> A	264197.4	4.30535	639,112.00	4.305367	41	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	52009.95	3.8028	65,957.00	3.8028	79	50 - 150	0.0000	+/-0.50	
MPFBA	484127.1	1.100017	525,734.00	1.0917	92	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	135638.1	2.872033	135,411.00	2.86385	100	50 - 150	0.0082	+/-0.50	
M6PFDA	449845.4	3.803317	488,184.00	3.803317	92	50 - 150	0.0000	+/-0.50	
M3PFBS	131545.7	1.9364	144,937.00	1.928117	91	50 - 150	0.0083	+/-0.50	
M7PF <sub>U</sub> nA	398599.2	3.93805	445,936.00	3.93805	89	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	31069.53	3.461417	40,257.00	3.461417	77	50 - 150	0.0000	+/-0.50	
M5PF <sub>P</sub> eA	415171.4	1.757717	449,031.00	1.749417	92	50 - 150	0.0083	+/-0.50	
M5PF <sub>H</sub> xA	700445.9	2.621617	800,305.00	2.621617	88	50 - 150	0.0000	+/-0.50	
M3PF <sub>H</sub> xS	97377.48	3.242583	107,652.00	3.2345	90	50 - 150	0.0081	+/-0.50	
M4PF <sub>H</sub> pA	704842.6	3.2031	856,297.00	3.2031	82	50 - 150	0.0000	+/-0.50	
M8PFOA	664678.6	3.469933	837,098.00	3.469933	79	50 - 150	0.0000	+/-0.50	
M8PFOS	72730.89	3.652167	80,920.00	3.652167	90	50 - 150	0.0000	+/-0.50	
M9PFNA	467436.2	3.6532	541,836.00	3.6532	86	50 - 150	0.0000	+/-0.50	
MPF <sub>D</sub> oA	371658.8	4.072667	405,476.00	4.072683	92	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	72143.24	3.945517	115,737.00	3.945533	62	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	92678.42	3.873783	132,342.00	3.873783	70	50 - 150	0.0000	+/-0.50	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

## INTERNAL STANDARD AREA AND RT SUMMARY

## SOP-466 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Blank (B338518-BLK1 )</b>			Lab File ID: B338518-BLK1.d			Analyzed: 05/10/23 17:54			
M8FOSA	177312.8	4.044517	210,079.00	4.044533	84	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	56789.39	2.505033	68,102.00	2.496817	83	50 - 150	0.0082	+/-0.50	
M2PFTA	499453.7	4.281116	520,002.00	4.281133	96	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	42571.28	3.78685	48,895.00	3.786867	87	50 - 150	0.0000	+/-0.50	
MPFBA	446029.2	1.0834	477,413.00	1.0834	93	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	108989.9	2.8393	129,174.00	2.8393	84	50 - 150	0.0000	+/-0.50	
M6PFDA	349645.2	3.787383	392,781.00	3.7874	89	50 - 150	0.0000	+/-0.50	
M3PFBS	116462.2	1.911533	123,093.00	1.90325	95	50 - 150	0.0083	+/-0.50	
M7PFUnA	340306.7	3.92205	380,840.00	3.922067	89	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	27108.83	3.445283	32,650.00	3.445283	83	50 - 150	0.0000	+/-0.50	
M5PFPeA	332316.3	1.731383	363,549.00	1.7231	91	50 - 150	0.0083	+/-0.50	
M5PFHxA	516885	2.588767	603,066.00	2.588767	86	50 - 150	0.0000	+/-0.50	
M3PFHxS	75104.95	3.218333	90,122.00	3.218333	83	50 - 150	0.0000	+/-0.50	
M4PFHpA	524676.6	3.186933	622,459.00	3.186933	84	50 - 150	0.0000	+/-0.50	
M8PFOA	476654.9	3.453817	518,833.00	3.453817	92	50 - 150	0.0000	+/-0.50	
M8PFOS	58119.05	3.636183	69,191.00	3.636183	84	50 - 150	0.0000	+/-0.50	
M9PFNA	305775.3	3.637217	393,534.00	3.637233	78	50 - 150	0.0000	+/-0.50	
MPFDoA	286065.7	4.056667	343,270.00	4.056684	83	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	61330.38	3.929517	94,298.00	3.929533	65	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	90772.67	3.85765	113,062.00	3.857667	80	50 - 150	0.0000	+/-0.50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>LCS (B338518-BS1 )</b> <span style="float: right;">Lab File ID: B338518-BS1.d</span> <span style="float: right;">Analyzed: 05/10/23 17:47</span>									
M8FOSA	119397.3	4.04455	210,079.00	4.044533	57	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	39015.23	2.505033	68,102.00	2.496817	57	50 - 150	0.0082	+/-0.50	
M2PFTA	304378.8	4.281133	520,002.00	4.281133	59	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	26086.37	3.786867	48,895.00	3.786867	53	50 - 150	0.0000	+/-0.50	
MPFBA	292795.4	1.0834	477,413.00	1.0834	61	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	64901.02	2.839317	129,174.00	2.8393	50	50 - 150	0.0000	+/-0.50	
M6PFDA	246450.2	3.7874	392,781.00	3.7874	63	50 - 150	0.0000	+/-0.50	
M3PFBS	75545.32	1.91155	123,093.00	1.90325	61	50 - 150	0.0083	+/-0.50	
M7PFUnA	226923	3.922067	380,840.00	3.922067	60	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	18478.57	3.4453	32,650.00	3.445283	57	50 - 150	0.0000	+/-0.50	
M5PFPeA	221285.8	1.723117	363,549.00	1.7231	61	50 - 150	0.0000	+/-0.50	
M5PFHxA	343239	2.588767	603,066.00	2.588767	57	50 - 150	0.0000	+/-0.50	
M3PFHxS	49327.86	3.218333	90,122.00	3.218333	55	50 - 150	0.0000	+/-0.50	
M4PFHpA	347199	3.18695	622,459.00	3.186933	56	50 - 150	0.0000	+/-0.50	
M8PFOA	307240	3.453817	518,833.00	3.453817	59	50 - 150	0.0000	+/-0.50	
M8PFOS	38503.25	3.6362	69,191.00	3.636183	56	50 - 150	0.0000	+/-0.50	
M9PFNA	195567.4	3.637233	393,534.00	3.637233	50	50 - 150	0.0000	+/-0.50	
MPFDoA	213185.3	4.056684	343,270.00	4.056684	62	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	42205.96	3.929533	94,298.00	3.929533	45	50 - 150	0.0000	+/-0.50	*
D3-NMeFOSAA	63449.46	3.857667	113,062.00	3.857667	56	50 - 150	0.0000	+/-0.50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

## INTERNAL STANDARD AREA AND RT SUMMARY

## SOP-466 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Matrix Spike (B338518-MS1)</b>			Lab File ID: B338518-MS1.d		Analyzed: 05/12/23 07:35				
M8FOSA	185906.8	4.052516	232,606.00	4.052516	80	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	60362.06	2.537883	78,799.00	2.4886	77	50 - 150	0.0493	+/-0.50	
M2PF <sub>TA</sub>	445082.5	4.305367	639,112.00	4.27305	70	50 - 150	0.0323	+/-0.50	
M2-8:2FTS	43383.57	3.8028	65,957.00	3.778883	66	50 - 150	0.0239	+/-0.50	
MPF <sub>BA</sub>	479340.9	1.0917	525,734.00	1.075083	91	50 - 150	0.0166	+/-0.50	
M3HFPO-DA	125278.7	2.872033	135,411.00	2.822933	93	50 - 150	0.0491	+/-0.50	
M6PF <sub>DA</sub>	393827.9	3.803317	488,184.00	3.779417	81	50 - 150	0.0239	+/-0.50	
M3PF <sub>BS</sub>	118846	1.9364	144,937.00	1.894967	82	50 - 150	0.0414	+/-0.50	
M7PF <sub>UnA</sub>	373659.2	3.938033	445,936.00	3.914067	84	50 - 150	0.0240	+/-0.50	
M2-6:2FTS	35889.93	3.461417	40,257.00	3.4373	89	50 - 150	0.0241	+/-0.50	
M5PF <sub>PeA</sub>	382464.2	1.749417	449,031.00	1.714833	85	50 - 150	0.0346	+/-0.50	
M5PF <sub>HxA</sub>	621999.7	2.621617	800,305.00	2.572333	78	50 - 150	0.0493	+/-0.50	
M3PF <sub>HxS</sub>	79101.34	3.242583	107,652.00	3.21025	73	50 - 150	0.0323	+/-0.50	
M4PF <sub>HpA</sub>	647844.7	3.203083	856,297.00	3.178867	76	50 - 150	0.0242	+/-0.50	
M8PF <sub>OA</sub>	574016.9	3.469917	837,098.00	3.445833	69	50 - 150	0.0241	+/-0.50	
M8PF <sub>OS</sub>	65246.09	3.65215	80,920.00	3.6282	81	50 - 150	0.0239	+/-0.50	
M9PF <sub>NA</sub>	396623.8	3.653183	541,836.00	3.629233	73	50 - 150	0.0239	+/-0.50	
MPF <sub>DoA</sub>	333441.7	4.072667	405,476.00	4.040683	82	50 - 150	0.0320	+/-0.50	
D5-NEtFOSAA	75674.2	3.945517	115,737.00	3.921533	65	50 - 150	0.0240	+/-0.50	
D3-NMeFOSAA	97871.82	3.873767	132,342.00	3.8497	74	50 - 150	0.0241	+/-0.50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

## INTERNAL STANDARD AREA AND RT SUMMARY

## SOP-466 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Matrix Spike Dup (B338518-MSD1 )</b>			Lab File ID: B338518-MSD1.d			Analyzed: 05/12/23 07:42			
M8FOSA	147588.1	4.052533	232,606.00	4.052516	63	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	44750.07	2.537883	78,799.00	2.4886	57	50 - 150	0.0493	+/-0.50	
M2PFTA	356526.7	4.305367	639,112.00	4.27305	56	50 - 150	0.0323	+/-0.50	
M2-8:2FTS	37389.63	3.8028	65,957.00	3.778883	57	50 - 150	0.0239	+/-0.50	
MPFBA	367870.7	1.100017	525,734.00	1.075083	70	50 - 150	0.0249	+/-0.50	
M3HFPO-DA	98067.55	2.872033	135,411.00	2.822933	72	50 - 150	0.0491	+/-0.50	
M6PFDA	307583.6	3.803317	488,184.00	3.779417	63	50 - 150	0.0239	+/-0.50	
M3PFBS	93645.15	1.9364	144,937.00	1.894967	65	50 - 150	0.0414	+/-0.50	
M7PFUnA	294876.1	3.93805	445,936.00	3.914067	66	50 - 150	0.0240	+/-0.50	
M2-6:2FTS	24650.96	3.461417	40,257.00	3.4373	61	50 - 150	0.0241	+/-0.50	
M5PFPeA	293146.8	1.757717	449,031.00	1.714833	65	50 - 150	0.0429	+/-0.50	
M5PFHxA	476126.7	2.621617	800,305.00	2.572333	59	50 - 150	0.0493	+/-0.50	
M3PFHxS	62787.64	3.242583	107,652.00	3.21025	58	50 - 150	0.0323	+/-0.50	
M4PFHpA	469302.5	3.2031	856,297.00	3.178867	55	50 - 150	0.0242	+/-0.50	
M8PFOA	420065.4	3.477917	837,098.00	3.445833	50	50 - 150	0.0321	+/-0.50	
M8PFOS	50201.71	3.652167	80,920.00	3.6282	62	50 - 150	0.0240	+/-0.50	
M9PFNA	318154	3.6532	541,836.00	3.629233	59	50 - 150	0.0240	+/-0.50	
MPFDoA	249062.1	4.072683	405,476.00	4.040683	61	50 - 150	0.0320	+/-0.50	
D5-NEtFOSAA	67089.77	3.945517	115,737.00	3.921533	58	50 - 150	0.0240	+/-0.50	
D3-NMeFOSAA	80371.14	3.873783	132,342.00	3.8497	61	50 - 150	0.0241	+/-0.50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

## INTERNAL STANDARD AREA AND RT SUMMARY

## SOP-466 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Blank (B339724-BLK1 )</b>			Lab File ID: B339724-BLK1.d			Analyzed: 05/16/23 13:20			
M8FOSA	304683.7	3.980567	304,343.00	3.980567	100	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	34918.23	2.57895	32,900.00	2.570733	106	50 - 150	0.0082	+/-0.50	
M2PF <sub>T</sub> A	474395.2	4.313416	512,824.00	4.32155	93	50 - 150	-0.0081	+/-0.50	
M2-8:2FTS	54903.14	3.794833	51,180.00	3.794833	107	50 - 150	0.0000	+/-0.50	
MPFBA	323061.4	1.075083	291,503.00	1.075083	111	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	87190.01	2.8884	82,143.00	2.8884	106	50 - 150	0.0000	+/-0.50	
M6PFDA	502371.3	3.79535	456,339.00	3.79535	110	50 - 150	0.0000	+/-0.50	
M3PFBS	105740.7	1.95315	96,559.00	1.95315	110	50 - 150	0.0000	+/-0.50	
M7PFU <sub>n</sub> A	518704.5	3.938033	529,330.00	3.938033	98	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	25239.38	3.445283	23,844.00	3.445283	106	50 - 150	0.0000	+/-0.50	
M5PFPeA	327000.5	1.7743	300,385.00	1.7743	109	50 - 150	0.0000	+/-0.50	
M5PFH <sub>x</sub> A	471294.2	2.663233	431,803.00	2.663233	109	50 - 150	0.0000	+/-0.50	
M3PFH <sub>x</sub> S	79422.77	3.218333	68,954.00	3.218333	115	50 - 150	0.0000	+/-0.50	
M4PFH <sub>p</sub> A	459875.6	3.195017	406,892.00	3.195017	113	50 - 150	0.0000	+/-0.50	
M8PFOA	487572.1	3.453817	453,494.00	3.453817	108	50 - 150	0.0000	+/-0.50	
M8PFOS	85743.76	3.636183	78,703.00	3.636183	109	50 - 150	0.0000	+/-0.50	
M9PFNA	541523.4	3.637217	469,925.00	3.637217	115	50 - 150	0.0000	+/-0.50	
MPFDoA	445572.9	4.08065	447,376.00	4.08065	100	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	82727.53	3.945517	90,569.00	3.945517	91	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	98086.95	3.865617	100,006.00	3.873767	98	50 - 150	-0.0082	+/-0.50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-466 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>LCS (B339724-BS1 )</b>			Lab File ID: B339724-BS1.d			Analyzed: 05/16/23 13:12			
M8FOSA	352073.6	3.980567	304,343.00	3.980567	116	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	39058.26	2.57895	32,900.00	2.570733	119	50 - 150	0.0082	+/-0.50	
M2PF <sub>T</sub> A	539387.3	4.32155	512,824.00	4.32155	105	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	69269.95	3.794833	51,180.00	3.794833	135	50 - 150	0.0000	+/-0.50	
MPFBA	355942.4	1.075083	291,503.00	1.075083	122	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	90997.23	2.8884	82,143.00	2.8884	111	50 - 150	0.0000	+/-0.50	
M6PFDA	549046.6	3.79535	456,339.00	3.79535	120	50 - 150	0.0000	+/-0.50	
M3PFBS	117978.7	1.95315	96,559.00	1.95315	122	50 - 150	0.0000	+/-0.50	
M7PFU <sub>n</sub> A	566136.8	3.938033	529,330.00	3.938033	107	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	37760.57	3.445283	23,844.00	3.445283	158	50 - 150	0.0000	+/-0.50	*
M5PFPeA	359227.7	1.7743	300,385.00	1.7743	120	50 - 150	0.0000	+/-0.50	
M5PFH <sub>x</sub> A	516063.9	2.663233	431,803.00	2.663233	120	50 - 150	0.0000	+/-0.50	
M3PFH <sub>x</sub> S	89215.21	3.218333	68,954.00	3.218333	129	50 - 150	0.0000	+/-0.50	
M4PFH <sub>p</sub> A	490301.9	3.195017	406,892.00	3.195017	120	50 - 150	0.0000	+/-0.50	
M8PFOA	576660.9	3.453817	453,494.00	3.453817	127	50 - 150	0.0000	+/-0.50	
M8PFOS	97740.37	3.636183	78,703.00	3.636183	124	50 - 150	0.0000	+/-0.50	
M9PFNA	601461.5	3.637217	469,925.00	3.637217	128	50 - 150	0.0000	+/-0.50	
MPFDoA	495498.9	4.08065	447,376.00	4.08065	111	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	86344.17	3.945517	90,569.00	3.945517	95	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	108625	3.873767	100,006.00	3.873767	109	50 - 150	0.0000	+/-0.50	

**CERTIFICATIONS**
**Certified Analyses included in this Report**

Analyte	Certifications
<i>SOP-466 PFAS in Soil</i>	
Perfluorobutanoic acid (PFBA)	NH-P
Perfluorobutanesulfonic acid (PFBS)	NH-P
Perfluoropentanoic acid (PFPeA)	NH-P
Perfluorohexanoic acid (PFHxA)	NH-P
11Cl-PF3OUdS (F53B Major)	NH-P
9Cl-PF3ONS (F53B Minor)	NH-P
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NH-P
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NH-P
8:2 Fluorotelomersulfonic acid (8:2FTS A)	NH-P
Perfluorodecanoic acid (PFDA)	NH-P
Perfluorododecanoic acid (PFDoA)	NH-P
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	NH-P
Perfluoroheptanesulfonic acid (PFHpS)	NH-P
N-EtFOSAA (NEtFOSAA)	NH-P
N-MeFOSAA (NMeFOSAA)	NH-P
Perfluorotetradecanoic acid (PFTA)	NH-P
Perfluorotridecanoic acid (PFTrDA)	NH-P
4:2 Fluorotelomersulfonic acid (4:2FTS A)	NH-P
Perfluorodecanesulfonic acid (PFDS)	NH-P
Perfluorooctanesulfonamide (FOSA)	NH-P
Perfluorononanesulfonic acid (PFNS)	NH-P
Perfluoro-1-hexanesulfonamide (FHxSA)	NH-P
Perfluoro-1-butanesulfonamide (FBSA)	NH-P
Perfluorohexanesulfonic acid (PFHxS)	NH-P
Perfluoro-4-oxapentanoic acid (PFMPA)	NH-P
Perfluoro-5-oxahexanoic acid (PFMBA)	NH-P
6:2 Fluorotelomersulfonic acid (6:2FTS A)	NH-P
Perfluoropetanesulfonic acid (PFPeS)	NH-P
Perfluoroundecanoic acid (PFUnA)	NH-P
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NH-P
Perfluoroheptanoic acid (PFHpA)	NH-P
Perfluorooctanoic acid (PFOA)	NH-P
Perfluorooctanesulfonic acid (PFOS)	NH-P
Perfluorononanoic acid (PFNA)	NH-P

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2023

Phone: 612-607-6400  
Fax: 612-607-6344

https://www.pacelabs.com/

Doc # 380 Rev 1\_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE  
Minneapolis, MN 55414

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73D3154

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYSDEC

Address: 625 Broadway, 12th Floor, Albany, NY 12233

Phone: 518-402-2754

Project Name: Rock C&D Landfill

Project Location: Milton, NY

Project Number: DEC #546061

Project Manager: Anthony Bollasina

Pace Analytical Quote Name/Number: Callout ID: 147267

Invoice Recipient: NYSDEC

Sampled By: AIB/MS/PP/BOB/JA/KG/SJ

**Requested Turnaround Time**  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_

**Rush-Approval Required**  
 1-Day  3-Day   
 2-Day  4-Day

**Data Delivery**  
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_

CLP Like Data Pkg Required:   
 Email To: anthony.bollasina@dec.ny.gov  
 Fax To #: \_\_\_\_\_

Pace Analytical Work Order #	Client Sample ID / Description	DATE	TIME	Composite	Grab	Matrix Code	Conc Code
1	MS/MSD collected	4/25/2023	0950		X	SE	
2		4/25/2023	1230		X	SE	
3		4/25/2023	1040		X	SE	
4		4/25/2023	1050		X	SE	
5		4/25/2023	1110		X	SE	
6		4/25/2023	1210		X	SE	
7		4/25/2023	1120		X	SE	
8		4/25/2023	1030		X	SE	
9		4/25/2023	1140		X	SE	
10		4/25/2023	1020		X	SE	

ANALYSIS REQUESTED

PFAS by 537M

BBB

**1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)  
 SW = surface water  
 SE = sediment

**2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Program & Regulatory Information**  
 AWQ STDS  
 NYC Sewer Discharge  
 Part 360 GW (Landfill)  
 NY Restricted Use  
 NY Unrestricted Use  
 NY Part 375

**Deliverables**  
 Enhanced Data Package  
 NYSDEC EQUIS EDD  
 EQUIS (Standard) EDD  
 NY Regulatory EDD  
 NY Regs Hits-Only EDD

**Other:** \_\_\_\_\_

**Project Entity**  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 WRTA  
 AIHA-LAP, LLC

**Other:** \_\_\_\_\_



3.0, 4.5, 3.2, 2.5, 2.9, 3.4, 3.8, 4.3, 3.6  
4/26/23 1745



2303154

Contact: <https://www.pacelabs.com/contact-us/contact-environmental-sciences/>

**Company Name:** NYSDEC  
**Address:** 625 Broadway, 12th Floor, Albany, NY 12233  
**Phone:** 518-402-2754  
**Project Name:** Rock CBD Landfill  
**Project Location:** Milton, NY  
**Project Number:** DEC #546061  
**Project Manager:** Anthony Bollasina  
**Pace Analytical Quote Name/Number:** Callout ID: 147267  
**Invoice Recipient:** NYSDEC  
**Sampled By:** AJB/MS/PP/BOB/JA/KG/SJ

Requested Turnaround Time  7-Day  10-Day

Rush-Approval Required  1-Day  3-Day   
 2-Day  4-Day

Data Delivery  
 Format: PDF  EXCEL

Other:   
 CLP Like Data Pkg Required:   
 Email To: anthony.bollasina@dec.ny.gov  
 Fax To #:

1	# of Containers	
2	Preservation Code	
3	Container Code	

**ANALYSIS REQUESTED**

**Dissolved Metals Samples**  
 Field Filtered  
 Lab to Filter

**Orthophosphate Samples**  
 Field Filtered  
 Lab to Filter

**1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)  
 SE = sediment

**2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

TIME	Composite	Grab	Matrix Code	Conc Code
1010	X		SE	1
1400	X		SE	1
	X		SE	1

PFAS by 537M

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Program & Regulatory Information**

AWQ STDS  NY TOGS

NYC Sewer Discharge Part 360 GW (Landfill)  NY CP-51

NY Restricted Use  NY Unrestricted Use

NY Part 375

Other: \_\_\_\_\_

**Deliverables**

Enhanced Data Package  NYSDEC EQUIS EDD   
 EQUIS (Standard) EDD   
 NY Regulatory EDD   
 NY Regs Hits-Only EDD

**Project Entity**

Government  Municipality  WRTA   
 Federal  City  21 J  School   
 City  Brownfield  MBTA

**Other:**  Chromatogram   
 AIHA-LAP, LLC

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet

**Relinquished by: (signature)** *[Signature]* Date/Time: 4-26-23 09:31  
**Received by: (signature)** *[Signature]* Date/Time: 4-26-23 9:31  
**Relinquished by: (signature)** *[Signature]* Date/Time: 4-26-23 14:30  
**Received by: (signature)** *[Signature]* Date/Time: 4-26-23 17:45

East Longmeadow, MA. 01028  
 P: 413-525-2332  
 F: 413-525-6405  
 www.pacelabs.com

# Log In Back-Sheet

Login Sample Receipt Checklist - (Rejection Criteria Listing  
 - Using Acceptance Policy) Any False statement will be  
 brought to the attention of the Client - True or False



Client NYDEC  
 Project Rock C&D Landfill  
 MCP/RCP Required No  
 Deliverable Package Req. No  
 Location Milton, NY  
 PWSID# (When Applicable) NA  
 Arrival Method:  
 Courier  Fed Ex  Walk In  Other   
 Received By / Date / Time DWW 4/26/23 1745  
 Back-Sheet By / Date / Time SK 4/26/23 2125  
 Temperature Method gun # 5  
 Temp  < 6° C Actual Temperature 3.0, 4.5, 3.2, 2.5, 2.9  
 Rush Samples: Yes /  No Notify 3.4, 3.8, 4.3, 3.6  
 Short Hold:  Yes /  No Notify same as

	True	False
Received on Ice	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Received in Cooler	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Custody Seal: DATE TIME	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Relinquished	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC/Samples Labels Agree	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Samples in Good Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Samples Received within Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there enough Volume	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proper Media/Container Used	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Splitting Samples Required	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MS/MSD	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Trip Blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lab to Filters	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Legible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC Included: (Check all included)		
Client <input checked="" type="checkbox"/>	Analysis <input checked="" type="checkbox"/>	Sampler Name <input checked="" type="checkbox"/>
Project <input checked="" type="checkbox"/>	IDs <input checked="" type="checkbox"/>	Collection Date/Time <input checked="" type="checkbox"/>
All Samples Proper pH:	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/>

**Notes regarding Samples/COC outside of SOP:**

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Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	Na2S2O3	Other Preservative	
1L Amber Plastic									
500 mL Amber Plastic									
250 mL Amber Plastic									
Other Amber Clear <u>Plastic</u>	<u>14</u>								
16oz Amber Clear									
8oz Amber Clear									
4oz Amber Clear									
2oz Amber Clear									
Col/Bacteria									
Flashpoint									
Plastic Bag									
SOC Kit									
Perchlorate									
Encore									
Frozen									
	Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials									

May 16, 2023

Anthony Bollasina  
NYS Division of Environmental Remediation  
625 Broadway 12th Floor  
Albany, NY 12233-7012

Project Location: Milton, NY  
Client Job Number:  
Project Number: 546061  
Laboratory Work Order Number: 23D3130

Enclosed are results of analyses for samples as received by the laboratory on April 26, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

 NYS Division of Environmental Remediation  
 625 Broadway 12th Floor  
 Albany, NY 12233-7012  
 ATTN: Anthony Bollasina

REPORT DATE: 5/16/2023

PURCHASE ORDER NUMBER: 147267

PROJECT NUMBER: 546061

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 23D3130

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Milton, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-03-20230425	23D3130-01	Ground Water		SOP-454 PFAS	
MW-04-20230425	23D3130-02	Ground Water		SOP-454 PFAS	
UNK-02-20230425	23D3130-03	Ground Water		SOP-454 PFAS	
GW-DUP-20230425	23D3130-04	Ground Water		SOP-454 PFAS	
SW-01A-20230425	23D3130-05	Surface Water		SOP-454 PFAS	
SW-02A-20230425	23D3130-06	Surface Water		SOP-454 PFAS	
SW-03A-20230425	23D3130-07	Surface Water		SOP-454 PFAS	
SW-04A-20230425	23D3130-08	Surface Water		SOP-454 PFAS	
SW-05-20230425	23D3130-09	Surface Water		SOP-454 PFAS	
SW-06-20230425	23D3130-10	Surface Water		SOP-454 PFAS	
SW-07-20230425	23D3130-11	Surface Water		SOP-454 PFAS	
SW-08-20230425	23D3130-12	Surface Water		SOP-454 PFAS	
SW-09-20230425	23D3130-13	Surface Water		SOP-454 PFAS	
SW-10-20230425	23D3130-14	Surface Water		SOP-454 PFAS	
SW-11-20230425	23D3130-15	Surface Water		SOP-454 PFAS	
SW-13-20230425	23D3130-16	Surface Water		SOP-454 PFAS	
DUPLICATE-04-23-25	23D3130-17	Surface Water		SOP-454 PFAS	
EB-Bowl-20230425	23D3130-18	Equipment Blank Water		SOP-454 PFAS	
EB-Tubing-20230425	23D3130-19	Equipment Blank Water		SOP-454 PFAS	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**SOP-454 PFAS****Qualifications:****D-01**

Sample extracted/prepared at a dilution due to sample matrix interference.

**Analyte & Samples(s) Qualified:**

23D3130-06[SW-02A-20230425], 23D3130-08[SW-04A-20230425], 23D3130-09[SW-05-20230425], 23D3130-14[SW-10-20230425], 23D3130-16[SW-13-20230425], 23D3130-17[DUPLICATE-04-23-25]

**L-05**

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

**Analyte & Samples(s) Qualified:****N-EtFOSAA (NEtFOSAA)**

23D3130-10[SW-06-20230425], 23D3130-16[SW-13-20230425], B338504-BS1

**MS-15**

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

**Analyte & Samples(s) Qualified:****N-EtFOSAA (NEtFOSAA)**

B338504-MS2, B338504-MSD2

**Perfluoro-4-oxapentanoic acid (PFMPA)**

B338504-MS1, B338504-MSD1

**Perfluorooctanoic acid (PFOA)**

B338504-MS2, B338504-MSD2

**MS-19**

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

**Analyte & Samples(s) Qualified:****Perfluorooctanesulfonic acid (PFOS)**

B338504-MS1

**Perfluorooctanoic acid (PFOA)**

B338504-MS1, B338504-MSD1

**Perfluoropentanoic acid (PFPeA)**

B338504-MSD1

**MS-22**

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

**Analyte & Samples(s) Qualified:****N-EtFOSAA (NEtFOSAA)**

B338504-MSD1

**Perfluorobutanesulfonic acid (PFBS)**

23D3130-03[UNK-02-20230425], B338504-MS1

**Perfluorohexanesulfonic acid (PFHxS)**

23D3130-03[UNK-02-20230425], B338504-MSD1

**MS-23**

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

**Analyte & Samples(s) Qualified:****6:2 Fluorotelomersulfonic acid (6:2FTS A)**

B338504-MSD1

**Perfluorobutanoic acid (PFBA)**

B338504-MSD2

**PF-17**

Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.

**Analyte & Samples(s) Qualified:****M2-4:2FTS**

23D3130-16[SW-13-20230425]

**M2-6:2FTS**

23D3130-01[MW-03-20230425], 23D3130-03[UNK-02-20230425], 23D3130-10[SW-06-20230425], 23D3130-11[SW-07-20230425], 23D3130-12[SW-08-20230425], 23D3130-15[SW-11-20230425]



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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

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**PF-19**

Sample re-analyzed at a dilution that was re-fortified with internal standard.

**Analyte & Samples(s) Qualified:****Perfluorooctanesulfonic acid (PFOS)**

23D3130-03RE1[UNK-02-20230425], 23D3130-10RE1[SW-06-20230425]

---

**R-06**

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

**Analyte & Samples(s) Qualified:****6:2 Fluorotelomersulfonic acid (6:2FTS A)**

B338504-MSD1

**Perfluorobutanoic acid (PFBA)**

B338504-MSD2

---

**S-29**

Extracted Internal Standard is outside of control limits.

**Analyte & Samples(s) Qualified:****M2-4:2FTS**

23D3130-04[GW-DUP-20230425], B338504-MS1, B338504-MSD1

**M2-6:2FTS**

23D3130-16[SW-13-20230425], B338504-MS1, B338504-MSD1

**M2-8:2FTS**

23D3130-04[GW-DUP-20230425]

**M2PFTA**

23D3130-01[MW-03-20230425], 23D3130-02[MW-04-20230425], 23D3130-08[SW-04A-20230425], 23D3130-10[SW-06-20230425], 23D3130-11[SW-07-20230425],

23D3130-13[SW-09-20230425], 23D3130-15[SW-11-20230425]

**M3HFPO-DA**

S087436-CCV2

**M3PFBS**

23D3130-10[SW-06-20230425]

**M4PFHpA**

23D3130-10[SW-06-20230425]

**M5PFHxA**

23D3130-10[SW-06-20230425]

**M5PFPeA**

23D3130-10[SW-06-20230425]

**M8FOSA**

23D3130-01[MW-03-20230425], 23D3130-02[MW-04-20230425], 23D3130-07[SW-03A-20230425], 23D3130-10[SW-06-20230425], 23D3130-11[SW-07-20230425],

23D3130-14[SW-10-20230425], B338504-MSD2

**M8PFOA**

23D3130-04[GW-DUP-20230425], 23D3130-07[SW-03A-20230425], 23D3130-08[SW-04A-20230425], 23D3130-10[SW-06-20230425]

**MPFBA**

23D3130-01[MW-03-20230425], 23D3130-03[UNK-02-20230425], 23D3130-07[SW-03A-20230425], 23D3130-08[SW-04A-20230425], 23D3130-10[SW-06-20230425],

23D3130-11[SW-07-20230425], 23D3130-12[SW-08-20230425], 23D3130-13[SW-09-20230425], 23D3130-14[SW-10-20230425], 23D3130-15[SW-11-20230425],

**MPFDoA**

23D3130-10[SW-06-20230425], 23D3130-13[SW-09-20230425]

---

**V-05**

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

**Analyte & Samples(s) Qualified:****N-MeFOSAA (NMeFOSAA)**

23D3130-01[MW-03-20230425], 23D3130-02[MW-04-20230425], 23D3130-03[UNK-02-20230425], 23D3130-04[GW-DUP-20230425], 23D3130-05[SW-01A-20230425],

23D3130-06[SW-02A-20230425], 23D3130-07[SW-03A-20230425], 23D3130-08[SW-04A-20230425], 23D3130-09[SW-05-20230425], 23D3130-10[SW-06-20230425],

23D3130-11[SW-07-20230425], 23D3130-12[SW-08-20230425], 23D3130-13[SW-09-20230425], 23D3130-14[SW-10-20230425], 23D3130-15[SW-11-20230425],

23D3130-16[SW-13-20230425], 23D3130-17[DUPLICATE-04-23-25], 23D3130-18[EB-Bowl-20230425], 23D3130-19[EB-Tubing-20230425], B338504-BLK1,

B338504-BS1, B338504-MS1, B338504-MS2, B338504-MSD1, B338504-MSD2, S087436-CCV2

**V-06**

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

**Analyte & Samples(s) Qualified:**

**Perfluorononanoic acid (PFNA)**

23D3130-01[MW-03-20230425], 23D3130-02[MW-04-20230425], 23D3130-03[UNK-02-20230425], 23D3130-04[GW-DUP-20230425], 23D3130-05[SW-01A-20230425], 23D3130-06[SW-02A-20230425], 23D3130-07[SW-03A-20230425], 23D3130-08[SW-04A-20230425], 23D3130-09[SW-05-20230425], 23D3130-10[SW-06-20230425], 23D3130-11[SW-07-20230425], 23D3130-12[SW-08-20230425], 23D3130-13[SW-09-20230425], 23D3130-14[SW-10-20230425], 23D3130-15[SW-11-20230425], 23D3130-16[SW-13-20230425], 23D3130-17[DUPLICATE-04-23-25], 23D3130-18[EB-Bowl-20230425], 23D3130-19[EB-Tubing-20230425], B338504-BLK1, B338504-BS1, B338504-MS1, B338504-MS2, B338504-MSD1, B338504-MSD2, S087436-CCV3, S087436-CCV4

**V-20**

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

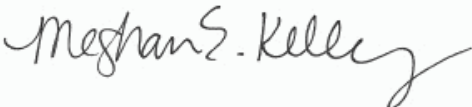
**Analyte & Samples(s) Qualified:**

**Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)**

S087436-CCV3, S087436-CCV4

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley  
Reporting Specialist

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: MW-03-20230425

Sampled: 4/25/2023 11:55

Sample ID: 23D3130-01

Sample Matrix: Ground Water

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	12	1.9	0.72	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluorobutanesulfonic acid (PFBS)	8.2	1.9	0.71	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluoropentanoic acid (PFPeA)	22	1.9	0.77	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluorohexanoic acid (PFHxA)	23	1.9	0.79	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.73	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.72	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	1.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.57	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.92	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluorodecanoic acid (PFDA)	1.8	1.9	0.80	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.89	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.71	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluoroheptanesulfonic acid (PFHpS)	4.1	1.9	0.79	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.9	0.77	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.9	1.0	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.92	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.80	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	1.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluorooctanesulfonamide (FOSA)	1.4	1.9	0.98	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.99	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	1.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluoro-1-butanefulfonamide (FBSA)	1.6	1.9	0.75	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluorohexanesulfonic acid (PFHxS)	35	1.9	0.69	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.69	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.63	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluoropentanesulfonic acid (PFPeS)	5.9	1.9	0.73	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.83	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluoroheptanoic acid (PFHpA)	21	1.9	0.81	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluorooctanoic acid (PFOA)	89	1.9	1.3	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluorooctanesulfonic acid (PFOS)	78	1.9	0.82	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2
Perfluorononanoic acid (PFNA)	7.1	1.9	0.89	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 4:55	JR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: MW-04-20230425

Sampled: 4/25/2023 11:15

Sample ID: 23D3130-02

Sample Matrix: Ground Water

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	9.4	1.9	0.72	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluorobutanesulfonic acid (PFBS)	1.3	1.9	0.72	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluoropentanoic acid (PFPeA)	25	1.9	0.77	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluorohexanoic acid (PFHxA)	11	1.9	0.79	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.73	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.72	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	1.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.57	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.93	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluorodecanoic acid (PFDA)	2.9	1.9	0.80	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.90	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	1.9	0.71	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.79	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.9	0.78	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.9	1.0	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.92	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.80	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	1.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.99	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.99	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	1.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.9	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.69	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.69	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.63	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.74	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.83	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluoroheptanoic acid (PFHpA)	3.6	1.9	0.82	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluorooctanoic acid (PFOA)	7.8	1.9	1.3	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluorooctanesulfonic acid (PFOS)	5.1	1.9	0.82	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2
Perfluorononanoic acid (PFNA)	3.9	1.9	0.89	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 5:02	JR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: UNK-02-20230425

Sampled: 4/25/2023 13:16

Sample ID: 23D3130-03

Sample Matrix: Ground Water

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	34	2.0	0.73	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluorobutanesulfonic acid (PFBS)	7.1	2.0	0.73	ng/L	1	MS-22	SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluoropentanoic acid (PFPeA)	57	2.0	0.79	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluorohexanoic acid (PFHxA)	55	2.0	0.81	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
11Cl-PF3OUdS (F53B Major)	ND	2.0	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
9Cl-PF3ONS (F53B Minor)	ND	2.0	0.73	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	1.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	0.58	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0	0.94	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluorodecanoic acid (PFDA)	1.2	2.0	0.82	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluorododecanoic acid (PFDoA)	ND	2.0	0.91	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.72	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluoroheptanesulfonic acid (PFHpS)	8.0	2.0	0.81	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
N-EtFOSAA (NEtFOSAA)	ND	2.0	0.79	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
N-MeFOSAA (NMeFOSAA)	ND	2.0	1.0	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluorotetradecanoic acid (PFTA)	ND	2.0	0.94	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	0.82	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0	0.76	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	2.0	1.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluorooctanesulfonamide (FOSA)	ND	2.0	1.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluorononanesulfonic acid (PFNS)	ND	2.0	1.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	2.1	2.0	1.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluoro-1-butanefulfonamide (FBSA)	1.9	2.0	0.77	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluorohexanesulfonic acid (PFHxS)	44	2.0	0.71	ng/L	1	MS-22	SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	0.71	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	0.64	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0	1.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluoropentanesulfonic acid (PFPeS)	6.0	2.0	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluoroundecanoic acid (PFUnA)	ND	2.0	0.84	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.77	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluoroheptanoic acid (PFHpA)	63	2.0	0.83	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluorooctanoic acid (PFOA)	170	2.0	1.3	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2
Perfluorooctanesulfonic acid (PFOS)	180	20	8.4	ng/L	10	PF-19	SOP-454 PFAS	4/27/23	5/13/23 14:52	RRB
Perfluorononanoic acid (PFNA)	17	2.0	0.91	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 5:10	JR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: GW-DUP-20230425

Sampled: 4/25/2023 00:00

Sample ID: 23D3130-04

Sample Matrix: Ground Water

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	9.5	1.9	0.71	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluorobutanesulfonic acid (PFBS)	1.2	1.9	0.71	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluoropentanoic acid (PFPeA)	24	1.9	0.76	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluorohexanoic acid (PFHxA)	11	1.9	0.78	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.72	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.71	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.99	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.56	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.91	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluorodecanoic acid (PFDA)	2.5	1.9	0.79	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.88	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.70	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.78	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.9	0.77	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.9	1.0	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.91	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.79	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.74	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.99	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.97	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.98	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	1.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.9	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.68	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.68	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.62	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.73	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.82	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.74	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluoroheptanoic acid (PFHpA)	3.2	1.9	0.81	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluorooctanoic acid (PFOA)	6.6	1.9	1.3	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluorooctanesulfonic acid (PFOS)	4.8	1.9	0.81	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2
Perfluorononanoic acid (PFNA)	3.4	1.9	0.88	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 5:17	JR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: SW-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3130-05

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.8	0.67	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8	0.67	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluoropentanoic acid (PFPeA)	0.72	1.8	0.72	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.8	0.73	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.68	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.67	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.93	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.53	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.86	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.83	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.66	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.74	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.72	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.94	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.86	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.74	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.69	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.93	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluorooctanesulfonamide (FOSA)	ND	1.8	0.92	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.92	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	0.95	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.8	0.70	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.64	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.64	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.58	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	1.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8	0.68	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.77	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.70	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8	0.76	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8	1.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.76	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2
Perfluorononanoic acid (PFNA)	ND	1.8	0.83	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 5:24	JR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: SW-02A-20230425

Sampled: 4/25/2023 12:30

Sample ID: 23D3130-06

Sample Matrix: Surface Water

Sample Flags: D-01

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	26	11	3.9	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluorobutanesulfonic acid (PFBS)	5.2	11	3.9	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluoropentanoic acid (PFPeA)	21	11	4.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluorohexanoic acid (PFHxA)	20	11	4.3	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
11Cl-PF3OUdS (F53B Major)	ND	11	4.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
9Cl-PF3ONS (F53B Minor)	ND	11	3.9	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	11	5.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	11	3.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	11	5.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluorodecanoic acid (PFDA)	11	11	4.4	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluorododecanoic acid (PFDoA)	ND	11	4.9	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	11	3.9	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	11	4.3	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
N-EtFOSAA (NEtFOSAA)	4.9	11	4.2	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
N-MeFOSAA (NMeFOSAA)	ND	11	5.5	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluorotetradecanoic acid (PFTA)	ND	11	5.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	11	4.4	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	11	4.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	11	5.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluorooctanesulfonamide (FOSA)	ND	11	5.4	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluorononanesulfonic acid (PFNS)	ND	11	5.4	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	11	5.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluoro-1-butanefulfonamide (FBSA)	ND	11	4.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluorohexanesulfonic acid (PFHxS)	37	11	3.8	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	11	3.8	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	11	3.4	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	11	6.4	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	11	4.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluoroundecanoic acid (PFUnA)	ND	11	4.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	11	4.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluoroheptanoic acid (PFHpA)	22	11	4.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluorooctanoic acid (PFOA)	72	11	7.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluorooctanesulfonic acid (PFOS)	240	11	4.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2
Perfluorononanoic acid (PFNA)	17	11	4.9	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 5:31	JR2



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: SW-03A-20230425

Sampled: 4/25/2023 10:40

Sample ID: 23D3130-07

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	13	1.9	0.69	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluorobutanesulfonic acid (PFBS)	2.1	1.9	0.69	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluoropentanoic acid (PFPeA)	16	1.9	0.74	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluorohexanoic acid (PFHxA)	8.5	1.9	0.76	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.70	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.69	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.97	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.55	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.89	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9	0.77	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.86	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.68	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.76	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.9	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.9	0.97	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.89	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.77	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.72	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.96	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.95	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.95	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.98	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.9	0.73	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluorohexanesulfonic acid (PFHxS)	4.3	1.9	0.67	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.66	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.61	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.71	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.80	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.72	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluoroheptanoic acid (PFHpA)	7.2	1.9	0.79	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluorooctanoic acid (PFOA)	8.8	1.9	1.3	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluorooctanesulfonic acid (PFOS)	2.0	1.9	0.79	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2
Perfluorononanoic acid (PFNA)	ND	1.9	0.86	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 5:38	JR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: SW-04A-20230425

Sampled: 4/25/2023 10:50

Sample ID: 23D3130-08

Sample Matrix: Surface Water

Sample Flags: D-01

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	15	4.1	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluorobutanesulfonic acid (PFBS)	4.5	4.1	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluoropentanoic acid (PFPeA)	17	4.1	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluorohexanoic acid (PFHxA)	15	4.1	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
11Cl-PF3OUdS (F53B Major)	ND	4.1	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
9Cl-PF3ONS (F53B Minor)	ND	4.1	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.1	2.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.1	1.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	4.1	2.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluorodecanoic acid (PFDA)	3.9	4.1	1.7	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluorododecanoic acid (PFDoA)	ND	4.1	1.9	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	4.1	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluoroheptanesulfonic acid (PFHpS)	3.5	4.1	1.7	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
N-EtFOSAA (NEtFOSAA)	ND	4.1	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
N-MeFOSAA (NMeFOSAA)	ND	4.1	2.2	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluorotetradecanoic acid (PFTA)	ND	4.1	2.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	4.1	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	4.1	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	4.1	2.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluorooctanesulfonamide (FOSA)	ND	4.1	2.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluorononanesulfonic acid (PFNS)	ND	4.1	2.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	4.1	2.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluoro-1-butanefulfonamide (FBSA)	ND	4.1	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluorohexanesulfonic acid (PFHxS)	27	4.1	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.1	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.1	1.3	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	4.1	2.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluoropentanesulfonic acid (PFPeS)	2.0	4.1	1.6	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluoroundecanoic acid (PFUnA)	ND	4.1	1.8	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.1	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluoroheptanoic acid (PFHpA)	16	4.1	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluorooctanoic acid (PFOA)	59	4.1	2.8	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluorooctanesulfonic acid (PFOS)	170	4.1	1.8	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2
Perfluorononanoic acid (PFNA)	19	4.1	1.9	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 5:46	JR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: SW-05-20230425

Sampled: 4/25/2023 11:10

Sample ID: 23D3130-09

Sample Matrix: Surface Water

Sample Flags: D-01

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	11	4.2	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	4.2	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluoropentanoic acid (PFPeA)	8.8	4.2	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluorohexanoic acid (PFHxA)	6.1	4.2	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
11Cl-PF3OUdS (F53B Major)	ND	4.2	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
9Cl-PF3ONS (F53B Minor)	ND	4.2	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.2	2.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.2	1.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	4.2	2.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluorodecanoic acid (PFDA)	ND	4.2	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluorododecanoic acid (PFDoA)	ND	4.2	1.9	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	4.2	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	4.2	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
N-EtFOSAA (NEtFOSAA)	ND	4.2	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
N-MeFOSAA (NMeFOSAA)	ND	4.2	2.2	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluorotetradecanoic acid (PFTA)	ND	4.2	2.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	4.2	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	4.2	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	4.2	2.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluorooctanesulfonamide (FOSA)	ND	4.2	2.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluorononanesulfonic acid (PFNS)	ND	4.2	2.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	4.2	2.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluoro-1-butanefulfonamide (FBSA)	ND	4.2	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluorohexanesulfonic acid (PFHxS)	4.2	4.2	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.2	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.2	1.4	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	4.2	2.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	4.2	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluoroundecanoic acid (PFUnA)	ND	4.2	1.8	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.2	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluoroheptanoic acid (PFHpA)	5.0	4.2	1.8	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluorooctanoic acid (PFOA)	5.9	4.2	2.8	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluorooctanesulfonic acid (PFOS)	11	4.2	1.8	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2
Perfluorononanoic acid (PFNA)	ND	4.2	1.9	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 5:53	JR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: SW-06-20230425

Sampled: 4/25/2023 12:10

Sample ID: 23D3130-10

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	15	1.9	0.69	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluorobutanesulfonic acid (PFBS)	7.1	1.9	0.69	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluoropentanoic acid (PFPeA)	41	1.9	0.74	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluorohexanoic acid (PFHxA)	21	1.9	0.76	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.70	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.69	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.97	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.55	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.89	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluorodecanoic acid (PFDA)	14	1.9	0.77	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.86	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.68	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluoroheptanesulfonic acid (PFHpS)	4.6	1.9	0.76	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
N-EtFOSAA (NEtFOSAA)	3.6	1.9	0.75	ng/L	1	L-05	SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
N-MeFOSAA (NMeFOSAA)	2.6	1.9	0.97	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.89	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.77	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.72	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.96	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluorooctanesulfonamide (FOSA)	1.7	1.9	0.95	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.95	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.98	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluoro-1-butanefulfonamide (FBSA)	1.1	1.9	0.73	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluorohexanesulfonic acid (PFHxS)	30	1.9	0.67	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.66	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.61	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluoropentanesulfonic acid (PFPeS)	2.2	1.9	0.71	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluoroundecanoic acid (PFUnA)	2.3	1.9	0.80	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.72	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluoroheptanoic acid (PFHpA)	23	1.9	0.79	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluorooctanoic acid (PFOA)	82	1.9	1.3	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2
Perfluorooctanesulfonic acid (PFOS)	210	19	7.9	ng/L	10	PF-19	SOP-454 PFAS	4/27/23	5/13/23 14:59	RRB
Perfluorononanoic acid (PFNA)	22	1.9	0.86	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 6:00	JR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: SW-07-20230425

Sampled: 4/25/2023 11:20

Sample ID: 23D3130-11

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	3.3	1.8	0.67	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluorobutanesulfonic acid (PFBS)	0.73	1.8	0.67	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluoropentanoic acid (PFPeA)	0.87	1.8	0.72	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.8	0.74	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.68	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.67	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.94	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.53	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.86	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.83	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.66	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.74	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.72	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.94	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.86	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.70	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.93	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluorooctanesulfonamide (FOSA)	ND	1.8	0.92	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.92	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	0.95	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.8	0.70	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluorohexanesulfonic acid (PFHxS)	1.1	1.8	0.64	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.64	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.59	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	1.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8	0.69	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.77	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.70	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluoroheptanoic acid (PFHpA)	1.1	1.8	0.76	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluorooctanoic acid (PFOA)	2.3	1.8	1.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluorooctanesulfonic acid (PFOS)	2.8	1.8	0.77	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2
Perfluorononanoic acid (PFNA)	ND	1.8	0.83	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 6:22	JR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: SW-08-20230425

Sampled: 4/25/2023 10:30

Sample ID: 23D3130-12

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.0	1.8	0.66	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluorobutanesulfonic acid (PFBS)	1.8	1.8	0.66	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluoropentanoic acid (PFPeA)	8.7	1.8	0.71	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluorohexanoic acid (PFHxA)	7.7	1.8	0.73	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.67	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.66	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.93	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.53	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.85	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8	0.74	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.83	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.65	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluoroheptanesulfonic acid (PFHpS)	1.7	1.8	0.73	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.72	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.93	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.85	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.74	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.69	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.92	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluorooctanesulfonamide (FOSA)	ND	1.8	0.91	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.91	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	0.94	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.8	0.70	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluorohexanesulfonic acid (PFHxS)	10	1.8	0.64	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.64	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.58	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	1.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluoropentanesulfonic acid (PFPeS)	1.0	1.8	0.68	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.76	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.69	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluoroheptanoic acid (PFHpA)	8.7	1.8	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluorooctanoic acid (PFOA)	33	1.8	1.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluorooctanesulfonic acid (PFOS)	47	1.8	0.76	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2
Perfluorononanoic acid (PFNA)	4.7	1.8	0.82	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 6:29	JR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: SW-09-20230425

Sampled: 4/25/2023 11:40

Sample ID: 23D3130-13

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	1.2	1.9	0.70	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.70	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.77	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.71	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.70	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.98	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.55	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.90	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9	0.78	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.87	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.69	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.77	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.9	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.9	0.98	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.90	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.78	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.73	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.97	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.96	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.96	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.99	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.9	0.73	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.67	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.67	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.61	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.72	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.80	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.73	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.79	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluorooctanoic acid (PFOA)	ND	1.9	1.3	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluorooctanesulfonic acid (PFOS)	0.82	1.9	0.80	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2
Perfluorononanoic acid (PFNA)	ND	1.9	0.87	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 6:37	JR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: SW-10-20230425

Sampled: 4/25/2023 10:20

Sample ID: 23D3130-14

Sample Matrix: Surface Water

Sample Flags: D-01

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.7	4.1	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluorobutanesulfonic acid (PFBS)	1.9	4.1	1.5	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluoropentanoic acid (PFPeA)	11	4.1	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluorohexanoic acid (PFHxA)	9.2	4.1	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
11Cl-PF3OUdS (F53B Major)	ND	4.1	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
9Cl-PF3ONS (F53B Minor)	ND	4.1	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.1	2.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.1	1.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	4.1	2.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluorodecanoic acid (PFDA)	ND	4.1	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluorododecanoic acid (PFDoA)	ND	4.1	1.9	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	4.1	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluoroheptanesulfonic acid (PFHpS)	3.7	4.1	1.7	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
N-EtFOSAA (NEtFOSAA)	ND	4.1	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
N-MeFOSAA (NMeFOSAA)	ND	4.1	2.2	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluorotetradecanoic acid (PFTA)	ND	4.1	2.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	4.1	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	4.1	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	4.1	2.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluorooctanesulfonamide (FOSA)	ND	4.1	2.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluorononanesulfonic acid (PFNS)	ND	4.1	2.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	4.1	2.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluoro-1-butanefulfonamide (FBSA)	ND	4.1	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluorohexanesulfonic acid (PFHxS)	18	4.1	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.1	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.1	1.3	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	4.1	2.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluoropentanesulfonic acid (PFPeS)	1.8	4.1	1.6	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluoroundecanoic acid (PFUnA)	ND	4.1	1.8	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.1	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluoroheptanoic acid (PFHpA)	18	4.1	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluorooctanoic acid (PFOA)	110	4.1	2.8	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluorooctanesulfonic acid (PFOS)	61	4.1	1.8	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2
Perfluorononanoic acid (PFNA)	14	4.1	1.9	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 6:44	JR2



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: SW-11-20230425

Sampled: 4/25/2023 10:10

Sample ID: 23D3130-15

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	16	1.9	0.70	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluorobutanesulfonic acid (PFBS)	3.5	1.9	0.70	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluoropentanoic acid (PFPeA)	27	1.9	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluorohexanoic acid (PFHxA)	15	1.9	0.77	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.71	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.70	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.98	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.56	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.90	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9	0.78	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.87	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.69	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluoroheptanesulfonic acid (PFHpS)	1.9	1.9	0.77	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.9	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.9	0.98	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.90	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.78	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.73	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.97	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.96	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.96	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.99	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluoro-1-butanefulfonamide (FBSA)	1.0	1.9	0.73	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluorohexanesulfonic acid (PFHxS)	21	1.9	0.67	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.67	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.61	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluoropentanesulfonic acid (PFPeS)	2.9	1.9	0.72	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.81	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.73	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluoroheptanoic acid (PFHpA)	17	1.9	0.79	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluorooctanoic acid (PFOA)	49	1.9	1.3	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluorooctanesulfonic acid (PFOS)	40	1.9	0.80	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2
Perfluorononanoic acid (PFNA)	5.6	1.9	0.87	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 6:51	JR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: SW-13-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3130-16

Sample Matrix: Surface Water

Sample Flags: D-01

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	49	4.1	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluorobutanesulfonic acid (PFBS)	31	4.1	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluoropentanoic acid (PFPeA)	95	4.1	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluorohexanoic acid (PFHxA)	92	4.1	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
11Cl-PF3OUdS (F53B Major)	ND	4.1	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
9Cl-PF3ONS (F53B Minor)	ND	4.1	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.1	2.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.1	1.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	4.1	2.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluorodecanoic acid (PFDA)	11	4.1	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluorododecanoic acid (PFDoA)	ND	4.1	1.9	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	4.1	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluoroheptanesulfonic acid (PFHpS)	7.3	4.1	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
N-EtFOSAA (NEtFOSAA)	19	4.1	1.7	ng/L	1	L-05	SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
N-MeFOSAA (NMeFOSAA)	10	4.1	2.2	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluorotetradecanoic acid (PFTA)	ND	4.1	2.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	4.1	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	4.1	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	4.1	2.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluorooctanesulfonamide (FOSA)	5.2	4.1	2.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluorononanesulfonic acid (PFNS)	ND	4.1	2.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	2.3	4.1	2.2	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluoro-1-butanefulfonamide (FBSA)	3.7	4.1	1.6	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluorohexanesulfonic acid (PFHxS)	64	4.1	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.1	1.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.1	1.3	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	4.5	4.1	2.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluoropentanesulfonic acid (PFPeS)	8.7	4.1	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluoroundecanoic acid (PFUnA)	ND	4.1	1.8	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.1	1.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluoroheptanoic acid (PFHpA)	77	4.1	1.7	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluorooctanoic acid (PFOA)	240	4.1	2.8	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluorooctanesulfonic acid (PFOS)	240	4.1	1.8	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2
Perfluorononanoic acid (PFNA)	25	4.1	1.9	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 6:58	JR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: DUPLICATE-04-23-25

Sampled: 4/25/2023 00:00

Sample ID: 23D3130-17

Sample Matrix: Surface Water

Sample Flags: D-01

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	27	11	3.9	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluorobutanesulfonic acid (PFBS)	5.2	11	3.9	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluoropentanoic acid (PFPeA)	21	11	4.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluorohexanoic acid (PFHxA)	19	11	4.3	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
11Cl-PF3OUdS (F53B Major)	ND	11	4.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
9Cl-PF3ONS (F53B Minor)	ND	11	3.9	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	11	5.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	11	3.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	11	5.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluorodecanoic acid (PFDA)	10	11	4.4	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluorododecanoic acid (PFDoA)	ND	11	4.9	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	11	3.9	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	11	4.3	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
N-EtFOSAA (NEtFOSAA)	ND	11	4.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
N-MeFOSAA (NMeFOSAA)	ND	11	5.5	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluorotetradecanoic acid (PFTA)	ND	11	5.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	11	4.4	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	11	4.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	11	5.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluorooctanesulfonamide (FOSA)	ND	11	5.4	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluorononanesulfonic acid (PFNS)	ND	11	5.4	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	11	5.6	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluoro-1-butanefulfonamide (FBSA)	ND	11	4.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluorohexanesulfonic acid (PFHxS)	37	11	3.8	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	11	3.8	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	11	3.4	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	11	6.4	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	11	4.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluoroundecanoic acid (PFUnA)	ND	11	4.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	11	4.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluoroheptanoic acid (PFHpA)	23	11	4.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluorooctanoic acid (PFOA)	69	11	7.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluorooctanesulfonic acid (PFOS)	240	11	4.5	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2
Perfluorononanoic acid (PFNA)	14	11	4.9	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 7:06	JR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: EB-Bowl-20230425

Sampled: 4/25/2023 16:05

Sample ID: 23D3130-18

Sample Matrix: Equipment Blank Water

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.8	0.68	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8	0.68	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluoropentanoic acid (PFPeA)	ND	1.8	0.73	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.8	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.70	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.68	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.96	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.54	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.88	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8	0.77	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.85	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.68	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.74	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.96	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.88	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.76	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.71	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	0.95	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluorooctanesulfonamide (FOSA)	ND	1.8	0.94	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluorononanesulfonic acid (PFNS)	ND	1.8	0.94	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	0.97	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.8	0.72	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.66	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.66	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.60	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	1.1	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8	0.70	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.79	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.72	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8	0.78	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8	1.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.78	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2
Perfluorononanoic acid (PFNA)	ND	1.8	0.85	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 7:13	JR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3130

Date Received: 4/26/2023

Field Sample #: EB-Tubing-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3130-19

Sample Matrix: Equipment Blank Water

## Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.9	0.71	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.71	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.76	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.79	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.73	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.71	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	1.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.57	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.9	1.9	0.92	ng/L	1	J	SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9	0.80	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.89	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.71	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.79	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
N-EtFOSAA (NEtFOSAA)	ND	1.9	0.77	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
N-MeFOSAA (NMeFOSAA)	ND	1.9	1.0	ng/L	1	V-05	SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.92	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.79	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.74	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.99	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.98	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.98	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	1.0	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluoro-1-butanefulfonamide (FBSA)	ND	1.9	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.69	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.69	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.62	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.2	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.73	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.82	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.75	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.81	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluorooctanoic acid (PFOA)	ND	1.9	1.3	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.82	ng/L	1		SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2
Perfluorononanoic acid (PFNA)	ND	1.9	0.89	ng/L	1	V-06	SOP-454 PFAS	4/27/23	5/12/23 7:20	JR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**Sample Extraction Data**
**Prep Method: SOP 454-PFAAS    Analytical Method: SOP-454 PFAS**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23D3130-01 [MW-03-20230425]	B338504	259	1.00	04/27/23
23D3130-02 [MW-04-20230425]	B338504	258	1.00	04/27/23
23D3130-03 [UNK-02-20230425]	B338504	253	1.00	04/27/23
23D3130-03RE1 [UNK-02-20230425]	B338504	253	1.00	04/27/23
23D3130-04 [GW-DUP-20230425]	B338504	261	1.00	04/27/23
23D3130-05 [SW-01A-20230425]	B338504	278	1.00	04/27/23
23D3130-06 [SW-02A-20230425]	B338504	47.2	1.00	04/27/23
23D3130-07 [SW-03A-20230425]	B338504	269	1.00	04/27/23
23D3130-08 [SW-04A-20230425]	B338504	121	1.00	04/27/23
23D3130-09 [SW-05-20230425]	B338504	120	1.00	04/27/23
23D3130-10 [SW-06-20230425]	B338504	269	1.00	04/27/23
23D3130-10RE1 [SW-06-20230425]	B338504	269	1.00	04/27/23
23D3130-11 [SW-07-20230425]	B338504	277	1.00	04/27/23
23D3130-12 [SW-08-20230425]	B338504	280	1.00	04/27/23
23D3130-13 [SW-09-20230425]	B338504	266	1.00	04/27/23
23D3130-14 [SW-10-20230425]	B338504	121	1.00	04/27/23
23D3130-15 [SW-11-20230425]	B338504	266	1.00	04/27/23
23D3130-16 [SW-13-20230425]	B338504	121	1.00	04/27/23
23D3130-17 [DUPLICATE-04-23-25]	B338504	47.3	1.00	04/27/23
23D3130-18 [EB-Bowl-20230425]	B338504	272	1.00	04/27/23
23D3130-19 [EB-Tubing-20230425]	B338504	260	1.00	04/27/23

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B338504 - SOP 454-PFAAS**
**Blank (B338504-BLK1)**

Prepared: 04/27/23 Analyzed: 05/12/23

Perfluorobutanoic acid (PFBA)	ND	1.9	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.9	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.9	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.9	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.9	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.9	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.9	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	1.9	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	ng/L							
N-EtFOSAA (NEtFOSAA)	ND	1.9	ng/L							
N-MeFOSAA (NMeFOSAA)	ND	1.9	ng/L							V-05
Perfluorotetradecanoic acid (PFTA)	ND	1.9	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	ng/L							
Perfluorooctanesulfonamide (FOSA)	ND	1.9	ng/L							
Perfluorononanesulfonic acid (PFNS)	ND	1.9	ng/L							
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	ng/L							
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.9	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.9	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.9	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.9	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.9	ng/L							V-06

**LCS (B338504-BS1)**

Prepared: 04/27/23 Analyzed: 05/12/23

Perfluorobutanoic acid (PFBA)	10.4	1.9	ng/L	9.43	110	73-129
Perfluorobutanesulfonic acid (PFBS)	8.72	1.9	ng/L	8.35	104	72-130
Perfluoropentanoic acid (PFPeA)	10.2	1.9	ng/L	9.43	108	72-129
Perfluorohexanoic acid (PFHxA)	9.50	1.9	ng/L	9.43	101	72-129
11Cl-PF3OUdS (F53B Major)	7.87	1.9	ng/L	8.89	88.6	55.1-141
9Cl-PF3ONS (F53B Minor)	8.36	1.9	ng/L	8.79	95.1	59.6-146
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.98	1.9	ng/L	8.89	89.8	60.3-131
Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.66	1.9	ng/L	9.43	102	37.6-167
8:2 Fluorotelomersulfonic acid (8:2FTS A)	9.35	1.9	ng/L	9.06	103	67-138
Perfluorodecanoic acid (PFDA)	11.2	1.9	ng/L	9.43	119	71-129
Perfluorododecanoic acid (PFDoA)	10.8	1.9	ng/L	9.43	115	72-134
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	10.3	1.9	ng/L	8.40	122	49.4-154

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338504 - SOP 454-PFAAS</b>										
<b>LCS (B338504-BS1)</b>										
					Prepared: 04/27/23 Analyzed: 05/12/23					
Perfluoroheptanesulfonic acid (PFHpS)	10.7	1.9	ng/L	9.01		119	69-134			
<b>N-EtFOSAA (NEtFOSAA)</b>	13.2	1.9	ng/L	9.43		<b>140</b> *	61-135			L-05
N-MeFOSAA (NMeFOSAA)	9.41	1.9	ng/L	9.43		99.8	65-136			V-05
Perfluorotetradecanoic acid (PFTA)	10.3	1.9	ng/L	9.43		109	71-132			
Perfluorotridecanoic acid (PFTTrDA)	10.1	1.9	ng/L	9.43		107	65-144			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	9.72	1.9	ng/L	8.82		110	63-143			
Perfluorodecanesulfonic acid (PFDS)	7.44	1.9	ng/L	9.10		81.8	53-142			
Perfluorooctanesulfonamide (FOSA)	10.4	1.9	ng/L	9.43		110	67-137			
Perfluorononanesulfonic acid (PFNS)	8.19	1.9	ng/L	9.06		90.4	69-127			
Perfluoro-1-hexanesulfonamide (FHxSA)	9.66	1.9	ng/L	9.43		102	61.7-156			
Perfluoro-1-butanefulfonamide (FBSA)	8.97	1.9	ng/L	9.43		95.1	61.3-145			
Perfluorohexanesulfonic acid (PFHxS)	8.77	1.9	ng/L	8.63		102	68-131			
Perfluoro-4-oxapentanoic acid (PFMPA)	9.58	1.9	ng/L	9.43		102	59.8-147			
Perfluoro-5-oxahexanoic acid (PFMBA)	9.62	1.9	ng/L	9.43		102	59.5-146			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	7.90	1.9	ng/L	8.96		88.2	64-140			
Perfluoropentanesulfonic acid (PFPeS)	8.92	1.9	ng/L	8.87		101	71-127			
Perfluoroundecanoic acid (PFUnA)	9.49	1.9	ng/L	9.43		101	69-133			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.96	1.9	ng/L	9.43		106	58.5-143			
Perfluoroheptanoic acid (PFHpA)	11.1	1.9	ng/L	9.43		118	72-130			
Perfluorooctanoic acid (PFOA)	10.5	1.9	ng/L	9.43		112	71-133			
Perfluorooctanesulfonic acid (PFOS)	9.25	1.9	ng/L	8.73		106	65-140			
Perfluorononanoic acid (PFNA)	10.1	1.9	ng/L	9.43		107	69-130			V-06
<b>Matrix Spike (B338504-MS1)</b>										
					Prepared: 04/27/23 Analyzed: 05/12/23					
Perfluorobutanoic acid (PFBA)	43.3	1.9	ng/L	9.43	34.4	94.0	73-129			
<b>Perfluorobutanesulfonic acid (PFBS)</b>	20.3	1.9	ng/L	8.34	7.13	<b>158</b> *	72-130			MS-22
Perfluoropentanoic acid (PFPeA)	68.1	1.9	ng/L	9.43	57.2	116	72-129			
Perfluorohexanoic acid (PFHxA)	62.1	1.9	ng/L	9.43	55.0	75.6	72-129			
11Cl-PF3OUdS (F53B Major)	7.91	1.9	ng/L	8.88	ND	89.1	58.3-140			
9Cl-PF3ONS (F53B Minor)	8.69	1.9	ng/L	8.79	ND	98.9	61.4-144			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.38	1.9	ng/L	8.88	ND	83.1	62.4-128			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.99	1.9	ng/L	9.43	ND	106	36.7-171			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	10.1	1.9	ng/L	9.05	ND	112	67-138			
Perfluorodecanoic acid (PFDA)	11.1	1.9	ng/L	9.43	1.18	106	71-129			
Perfluorododecanoic acid (PFDoA)	10.7	1.9	ng/L	9.43	ND	113	72-134			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	10.4	1.9	ng/L	8.39	ND	124	54.3-149			
Perfluoroheptanesulfonic acid (PFHpS)	18.0	1.9	ng/L	9.00	7.97	112	69-134			
N-EtFOSAA (NEtFOSAA)	12.7	1.9	ng/L	9.43	ND	134	61-135			
N-MeFOSAA (NMeFOSAA)	9.31	1.9	ng/L	9.43	ND	98.7	65-136			V-05
Perfluorotetradecanoic acid (PFTA)	9.75	1.9	ng/L	9.43	ND	103	71-132			
Perfluorotridecanoic acid (PFTTrDA)	10.1	1.9	ng/L	9.43	ND	107	65-144			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	9.71	1.9	ng/L	8.81	ND	110	63-143			
Perfluorodecanesulfonic acid (PFDS)	9.53	1.9	ng/L	9.10	ND	105	53-142			
Perfluorooctanesulfonamide (FOSA)	11.3	1.9	ng/L	9.43	ND	120	67-137			
Perfluorononanesulfonic acid (PFNS)	9.75	1.9	ng/L	9.05	ND	108	69-127			
Perfluoro-1-hexanesulfonamide (FHxSA)	10.9	1.9	ng/L	9.43	2.12	92.8	64.2-154			
Perfluoro-1-butanefulfonamide (FBSA)	12.2	1.9	ng/L	9.43	1.86	109	65.9-140			
Perfluorohexanesulfonic acid (PFHxS)	54.2	1.9	ng/L	8.63	44.3	115	68-131			
<b>Perfluoro-4-oxapentanoic acid (PFMPA)</b>	15.2	1.9	ng/L	9.43	ND	<b>161</b> *	61.9-143			MS-15
Perfluoro-5-oxahexanoic acid (PFMBA)	10.7	1.9	ng/L	9.43	ND	114	61.4-142			



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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338504 - SOP 454-PFAAS</b>										
<b>Matrix Spike (B338504-MS1)</b>										
			<b>Source: 23D3130-03</b>		Prepared: 04/27/23 Analyzed: 05/12/23					
6:2 Fluorotelomersulfonic acid (6:2FTS A)	9.50	1.9	ng/L	8.96	ND	106	64-140			
Perfluoropetanesulfonic acid (PFPeS)	14.9	1.9	ng/L	8.86	5.99	100	71-127			
Perfluoroundecanoic acid (PFUnA)	9.44	1.9	ng/L	9.43	ND	100	69-133			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	12.0	1.9	ng/L	9.43	ND	127	62-138			
Perfluoroheptanoic acid (PFHpA)	73.3	1.9	ng/L	9.43	62.9	110	72-130			
<b>Perfluorooctanoic acid (PFOA)</b>	168	1.9	ng/L	9.43	168	<b>5.08</b> *	71-133			MS-19
<b>Perfluorooctanesulfonic acid (PFOS)</b>	196	1.9	ng/L	8.72	198	<b>-14.7</b> *	65-140			MS-19
Perfluorononanoic acid (PFNA)	27.9	1.9	ng/L	9.43	16.7	119	69-130			V-06
<b>Matrix Spike (B338504-MS2)</b>										
			<b>Source: 23D3130-05</b>		Prepared: 04/27/23 Analyzed: 05/12/23					
Perfluorobutanoic acid (PFBA)	10.7	1.8	ng/L	8.99	ND	120	73-129			
Perfluorobutanesulfonic acid (PFBS)	8.95	1.8	ng/L	7.95	ND	112	72-130			
Perfluoropentanoic acid (PFPeA)	10.1	1.8	ng/L	8.99	0.719	105	72-129			
Perfluorohexanoic acid (PFHxA)	9.39	1.8	ng/L	8.99	ND	104	72-129			
11Cl-PF3OUdS (F53B Major)	8.50	1.8	ng/L	8.46	ND	100	58.3-140			
9Cl-PF3ONS (F53B Minor)	8.62	1.8	ng/L	8.37	ND	103	61.4-144			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.35	1.8	ng/L	8.46	ND	86.8	62.4-128			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	8.10	1.8	ng/L	8.99	ND	90.2	36.7-171			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	9.31	1.8	ng/L	8.63	ND	108	67-138			
Perfluorodecanoic acid (PFDA)	9.59	1.8	ng/L	8.99	ND	107	71-129			
Perfluorododecanoic acid (PFDoA)	10.1	1.8	ng/L	8.99	ND	112	72-134			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	9.98	1.8	ng/L	8.00	ND	125	54.3-149			
Perfluoroheptanesulfonic acid (PFHpS)	9.36	1.8	ng/L	8.58	ND	109	69-134			
<b>N-EtFOSAA (NEtFOSAA)</b>	12.6	1.8	ng/L	8.99	ND	<b>140</b> *	61-135			MS-15
N-MeFOSAA (NMeFOSAA)	10.5	1.8	ng/L	8.99	ND	117	65-136			V-05
Perfluorotetradecanoic acid (PFTA)	9.26	1.8	ng/L	8.99	ND	103	71-132			
Perfluorotridecanoic acid (PFTrDA)	9.23	1.8	ng/L	8.99	ND	103	65-144			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.79	1.8	ng/L	8.40	ND	105	63-143			
Perfluorodecanesulfonic acid (PFDS)	8.52	1.8	ng/L	8.67	ND	98.3	53-142			
Perfluorooctanesulfonamide (FOSA)	8.94	1.8	ng/L	8.99	ND	99.5	67-137			
Perfluoronanesulfonic acid (PFNS)	8.09	1.8	ng/L	8.63	ND	93.8	69-127			
Perfluoro-1-hexanesulfonamide (FHxSA)	8.73	1.8	ng/L	8.99	ND	97.2	64.2-154			
Perfluoro-1-butanesulfonamide (FBSA)	8.89	1.8	ng/L	8.99	ND	98.9	65.9-140			
Perfluorohexanesulfonic acid (PFHxS)	8.94	1.8	ng/L	8.22	ND	109	68-131			
Perfluoro-4-oxapentanoic acid (PFMPA)	9.98	1.8	ng/L	8.99	ND	111	61.9-143			
Perfluoro-5-oxahexanoic acid (PFMBA)	9.99	1.8	ng/L	8.99	ND	111	61.4-142			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	9.46	1.8	ng/L	8.54	ND	111	64-140			
Perfluoropetanesulfonic acid (PFPeS)	8.77	1.8	ng/L	8.45	ND	104	71-127			
Perfluoroundecanoic acid (PFUnA)	8.87	1.8	ng/L	8.99	ND	98.7	69-133			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.85	1.8	ng/L	8.99	ND	110	62-138			
Perfluoroheptanoic acid (PFHpA)	10.6	1.8	ng/L	8.99	ND	118	72-130			
<b>Perfluorooctanoic acid (PFOA)</b>	13.2	1.8	ng/L	8.99	ND	<b>146</b> *	71-133			MS-15
Perfluorooctanesulfonic acid (PFOS)	10.2	1.8	ng/L	8.31	ND	123	65-140			
Perfluorononanoic acid (PFNA)	9.83	1.8	ng/L	8.99	ND	109	69-130			V-06

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338504 - SOP 454-PFAAS</b>										
<b>Matrix Spike Dup (B338504-MSD1)</b>										
<b>Source: 23D3130-03</b>										
Prepared: 04/27/23 Analyzed: 05/12/23										
Perfluorobutanoic acid (PFBA)	44.7	1.8	ng/L	9.17	34.4	112	73-129	3.13	30	
Perfluorobutanesulfonic acid (PFBS)	16.9	1.8	ng/L	8.12	7.13	120	72-130	18.1	30	
<b>Perfluoropentanoic acid (PFPeA)</b>	70.2	1.8	ng/L	9.17	57.2	<b>142</b> *	72-129	3.06	30	MS-19
Perfluorohexanoic acid (PFHxA)	65.4	1.8	ng/L	9.17	55.0	114	72-129	5.24	30	
11Cl-PF3OUdS (F53B Major)	8.88	1.8	ng/L	8.64	ND	103	58.3-140	11.6	30	
9Cl-PF3ONS (F53B Minor)	8.83	1.8	ng/L	8.55	ND	103	61.4-144	1.61	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.37	1.8	ng/L	8.64	ND	85.3	62.4-128	0.171	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	10.7	1.8	ng/L	9.17	ND	116	36.7-171	6.47	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	10.4	1.8	ng/L	8.80	ND	119	67-138	2.98	30	
Perfluorodecanoic acid (PFDA)	11.7	1.8	ng/L	9.17	1.18	114	71-129	4.56	30	
Perfluorododecanoic acid (PFDoA)	12.0	1.8	ng/L	9.17	ND	131	72-134	11.6	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	10.3	1.8	ng/L	8.16	ND	127	54.3-149	0.905	30	
Perfluoroheptanesulfonic acid (PFHpS)	18.1	1.8	ng/L	8.76	7.97	116	69-134	0.183	30	
<b>N-EtFOSAA (NEtFOSAA)</b>	12.7	1.8	ng/L	9.17	ND	<b>138</b> *	61-135	0.0396	30	MS-22
N-MeFOSAA (NMeFOSAA)	9.50	1.8	ng/L	9.17	ND	104	65-136	2.09	30	V-05
Perfluorotetradecanoic acid (PFTA)	9.73	1.8	ng/L	9.17	ND	106	71-132	0.191	30	
Perfluorotridecanoic acid (PFTrDA)	10.1	1.8	ng/L	9.17	ND	110	65-144	0.175	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	9.36	1.8	ng/L	8.57	ND	109	63-143	3.65	30	
Perfluorodecanesulfonic acid (PFDS)	8.84	1.8	ng/L	8.85	ND	99.9	53-142	7.52	30	
Perfluorooctanesulfonamide (FOSA)	10.4	1.8	ng/L	9.17	ND	113	67-137	8.50	30	
Perfluorononanesulfonic acid (PFNS)	9.53	1.8	ng/L	8.80	ND	108	69-127	2.24	30	
Perfluoro-1-hexanesulfonamide (FHxSA)	12.2	1.8	ng/L	9.17	2.12	110	64.2-154	11.5	30	
Perfluoro-1-butanefulfonamide (FBSA)	12.0	1.8	ng/L	9.17	1.86	111	65.9-140	1.05	30	
<b>Perfluorohexanesulfonic acid (PFHxS)</b>	57.2	1.8	ng/L	8.39	44.3	<b>154</b> *	68-131	5.33	30	MS-22
<b>Perfluoro-4-oxapentanoic acid (PFMPA)</b>	14.8	1.8	ng/L	9.17	ND	<b>161</b> *	61.9-143	2.91	30	MS-15
Perfluoro-5-oxahexanoic acid (PFMBA)	10.8	1.8	ng/L	9.17	ND	117	61.4-142	0.403	30	
<b>6:2 Fluorotelomersulfonic acid (6:2FTS A)</b>	13.8	1.8	ng/L	8.71	ND	<b>158</b> *	64-140	<b>36.9</b> *	30	MS-23, R-06
Perfluoropentanesulfonic acid (PFPeS)	15.5	1.8	ng/L	8.62	5.99	111	71-127	4.52	30	
Perfluoroundecanoic acid (PFUnA)	10.1	1.8	ng/L	9.17	ND	110	69-133	6.36	30	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	12.0	1.8	ng/L	9.17	ND	131	62-138	0.361	30	
Perfluoroheptanoic acid (PFHpA)	74.6	1.8	ng/L	9.17	62.9	128	72-130	1.76	30	
<b>Perfluorooctanoic acid (PFOA)</b>	187	1.8	ng/L	9.17	168	<b>207</b> *	71-133	10.4	30	MS-19
Perfluorooctanesulfonic acid (PFOS)	207	1.8	ng/L	8.48	198	109	65-140	5.24	30	
Perfluorononanoic acid (PFNA)	26.9	1.8	ng/L	9.17	16.7	111	69-130	3.76	30	V-06
<b>Matrix Spike Dup (B338504-MSD2)</b>										
<b>Source: 23D3130-05</b>										
Prepared: 04/27/23 Analyzed: 05/12/23										
<b>Perfluorobutanoic acid (PFBA)</b>	16.4	1.8	ng/L	8.82	ND	<b>186</b> *	73-129	<b>41.5</b> *	30	MS-23, R-06
Perfluorobutanesulfonic acid (PFBS)	8.33	1.8	ng/L	7.80	ND	107	72-130	7.12	30	
Perfluoropentanoic acid (PFPeA)	9.66	1.8	ng/L	8.82	0.719	101	72-129	4.82	30	
Perfluorohexanoic acid (PFHxA)	8.61	1.8	ng/L	8.82	ND	97.6	72-129	8.67	30	
11Cl-PF3OUdS (F53B Major)	6.38	1.8	ng/L	8.31	ND	76.8	58.3-140	28.4	30	
9Cl-PF3ONS (F53B Minor)	7.43	1.8	ng/L	8.22	ND	90.4	61.4-144	14.9	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.77	1.8	ng/L	8.31	ND	81.5	62.4-128	8.18	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.67	1.8	ng/L	8.82	ND	110	36.7-171	17.7	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	7.68	1.8	ng/L	8.46	ND	90.7	67-138	19.2	30	
Perfluorodecanoic acid (PFDA)	9.69	1.8	ng/L	8.82	ND	110	71-129	1.01	30	
Perfluorododecanoic acid (PFDoA)	10.9	1.8	ng/L	8.82	ND	124	72-134	8.22	30	

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338504 - SOP 454-PFAAS</b>										
<b>Matrix Spike Dup (B338504-MSD2)</b>										
<b>Source: 23D3130-05</b>										
Prepared: 04/27/23 Analyzed: 05/12/23										
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	9.56	1.8	ng/L	7.85	ND	122	54.3-149	4.36	30	
Perfluoroheptanesulfonic acid (PFHpS)	8.49	1.8	ng/L	8.42	ND	101	69-134	9.76	30	
<b>N-EtFOSAA (NEtFOSAA)</b>	12.5	1.8	ng/L	8.82	ND	<b>142</b>	* 61-135	0.0739	30	MS-15
N-MeFOSAA (NMeFOSAA)	9.83	1.8	ng/L	8.82	ND	111	65-136	6.61	30	V-05
Perfluorotetradecanoic acid (PFTA)	9.45	1.8	ng/L	8.82	ND	107	71-132	2.02	30	
Perfluorotridecanoic acid (PFTrDA)	9.01	1.8	ng/L	8.82	ND	102	65-144	2.41	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.20	1.8	ng/L	8.24	ND	99.5	63-143	6.87	30	
Perfluorodecanesulfonic acid (PFDS)	7.52	1.8	ng/L	8.51	ND	88.4	53-142	12.5	30	
Perfluorooctanesulfonamide (FOSA)	9.77	1.8	ng/L	8.82	ND	111	67-137	8.87	30	
Perfluorononanesulfonic acid (PFNS)	7.39	1.8	ng/L	8.46	ND	87.4	69-127	9.02	30	
Perfluoro-1-hexanesulfonamide (FHxSA)	7.08	1.8	ng/L	8.82	ND	80.2	64.2-154	21.0	30	
Perfluoro-1-butanesulfonamide (FBSA)	8.22	1.8	ng/L	8.82	ND	93.2	65.9-140	7.82	30	
Perfluorohexanesulfonic acid (PFHxS)	8.35	1.8	ng/L	8.07	ND	104	68-131	6.83	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	9.42	1.8	ng/L	8.82	ND	107	61.9-143	5.79	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	9.38	1.8	ng/L	8.82	ND	106	61.4-142	6.26	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	6.99	1.8	ng/L	8.38	ND	83.4	64-140	30.0	30	
Perfluoropentanesulfonic acid (PFPeS)	8.01	1.8	ng/L	8.29	ND	96.7	71-127	9.01	30	
Perfluoroundecanoic acid (PFUnA)	9.30	1.8	ng/L	8.82	ND	106	69-133	4.78	30	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.86	1.8	ng/L	8.82	ND	112	62-138	0.117	30	
Perfluoroheptanoic acid (PFHpA)	9.98	1.8	ng/L	8.82	ND	113	72-130	6.47	30	
<b>Perfluorooctanoic acid (PFOA)</b>	12.6	1.8	ng/L	8.82	ND	<b>142</b>	* 71-133	4.67	30	MS-15
Perfluorooctanesulfonic acid (PFOS)	8.04	1.8	ng/L	8.16	ND	98.6	65-140	24.1	30	
Perfluorononanoic acid (PFNA)	10.7	1.8	ng/L	8.82	ND	122	69-130	8.57	30	V-06

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
D-01	Sample extracted/prepared at a dilution due to sample matrix interference.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-05	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.
MS-15	Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
MS-23	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.
PF-17	Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.
PF-19	Sample re-analyzed at a dilution that was re-fortified with internal standard.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
S-29	Extracted Internal Standard is outside of control limits.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>MW-03-20230425 (23D3130-01 )</b>			Lab File ID: 23D3130-01.d			Analyzed: 05/12/23 04:55			
M8FOSA	68283.49	4.052533	232,606.00	4.05255	29	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	105520.3	2.488617	78,799.00	2.472183	134	50 - 150	0.0164	+/-0.50	
M2PF <sub>T</sub> A	126123.8	4.273067	639,112.00	4.26495	20	50 - 150	0.0081	+/-0.50	*
M2-8:2FTS	54133.93	3.778917	65,957.00	3.77095	82	50 - 150	0.0080	+/-0.50	
MPFBA	228419	1.075083	525,734.00	1.075083	43	50 - 150	0.0000	+/-0.50	*
M3HFPO-DA	107817.4	2.831133	135,411.00	2.814767	80	50 - 150	0.0164	+/-0.50	
M6PFDA	347649.2	3.779433	488,184.00	3.771467	71	50 - 150	0.0080	+/-0.50	
M3PFBS	100498.8	1.894967	144,937.00	1.886683	69	50 - 150	0.0083	+/-0.50	
M7PFUnA	331129.9	3.914083	445,936.00	3.9061	74	50 - 150	0.0080	+/-0.50	
M2-6:2FTS	66600.29	3.4373	40,257.00	3.429333	165	50 - 150	0.0080	+/-0.50	*
M5PFPeA	306705	1.714833	449,031.00	1.706567	68	50 - 150	0.0083	+/-0.50	
M5PFHxA	560437.5	2.57235	800,305.00	2.555917	70	50 - 150	0.0164	+/-0.50	
M3PFHxS	85320.34	3.218333	107,652.00	3.210267	79	50 - 150	0.0081	+/-0.50	
M4PFHpA	605876.9	3.178867	856,297.00	3.1708	71	50 - 150	0.0081	+/-0.50	
M8PFOA	565662.1	3.453817	837,098.00	3.44585	68	50 - 150	0.0080	+/-0.50	
M8PFOS	57874.33	3.6362	80,920.00	3.628217	72	50 - 150	0.0080	+/-0.50	
M9PFNA	384375.2	3.637233	541,836.00	3.62925	71	50 - 150	0.0080	+/-0.50	
MPFDoA	258412.1	4.0407	405,476.00	4.032717	64	50 - 150	0.0080	+/-0.50	
D5-NEtFOSAA	77708.4	3.92155	115,737.00	3.913567	67	50 - 150	0.0080	+/-0.50	
D3-NMeFOSAA	113709.4	3.849717	132,342.00	3.841767	86	50 - 150	0.0080	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>MW-04-20230425 (23D3130-02 )</b>									
			Lab File ID: 23D3130-02.d			Analyzed: 05/12/23 05:02			
M8FOSA	85810.86	4.052516	232,606.00	4.05255	37	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	46276	2.4886	78,799.00	2.472183	59	50 - 150	0.0164	+/-0.50	
M2PF <sub>TA</sub>	297932.1	4.27305	639,112.00	4.26495	47	50 - 150	0.0081	+/-0.50	*
M2-8:2FTS	36003.71	3.7789	65,957.00	3.77095	55	50 - 150	0.0080	+/-0.50	
MPFBA	315527	1.0834	525,734.00	1.075083	60	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	117036.8	2.831117	135,411.00	2.814767	86	50 - 150	0.0164	+/-0.50	
M6PFDA	301023.6	3.779417	488,184.00	3.771467	62	50 - 150	0.0080	+/-0.50	
M3PFBS	93669.02	1.90325	144,937.00	1.886683	65	50 - 150	0.0166	+/-0.50	
M7PFUnA	286213.3	3.914067	445,936.00	3.9061	64	50 - 150	0.0080	+/-0.50	
M2-6:2FTS	31067.14	3.4373	40,257.00	3.429333	77	50 - 150	0.0080	+/-0.50	
M5PFPeA	288443.6	1.7231	449,031.00	1.706567	64	50 - 150	0.0165	+/-0.50	
M5PFHxA	499993.6	2.58055	800,305.00	2.555917	62	50 - 150	0.0246	+/-0.50	
M3PFHxS	69768.32	3.218333	107,652.00	3.210267	65	50 - 150	0.0081	+/-0.50	
M4PFHpA	527772.6	3.178867	856,297.00	3.1708	62	50 - 150	0.0081	+/-0.50	
M8PFOA	451893.6	3.453817	837,098.00	3.44585	54	50 - 150	0.0080	+/-0.50	
M8PFOS	47722.16	3.636183	80,920.00	3.628217	59	50 - 150	0.0080	+/-0.50	
M9PFNA	337133.3	3.637217	541,836.00	3.62925	62	50 - 150	0.0080	+/-0.50	
MPFDoA	247391.5	4.040683	405,476.00	4.032717	61	50 - 150	0.0080	+/-0.50	
D5-NEtFOSAA	65107.31	3.921533	115,737.00	3.913567	56	50 - 150	0.0080	+/-0.50	
D3-NMeFOSAA	86355.53	3.8497	132,342.00	3.841767	65	50 - 150	0.0079	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>UNK-02-20230425 (23D3130-03 )</b>									
			Lab File ID: 23D3130-03.d			Analyzed: 05/12/23 05:10			
M8FOSA	146207	4.052533	232,606.00	4.05255	63	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	112990.6	2.4804	78,799.00	2.472183	143	50 - 150	0.0082	+/-0.50	
M2PFTA	376537.4	4.273067	639,112.00	4.26495	59	50 - 150	0.0081	+/-0.50	
M2-8:2FTS	63901.14	3.7789	65,957.00	3.77095	97	50 - 150	0.0080	+/-0.50	
MPFBA	174135.2	1.075083	525,734.00	1.075083	33	50 - 150	0.0000	+/-0.50	*
M3HFPO-DA	87523.77	2.822933	135,411.00	2.814767	65	50 - 150	0.0082	+/-0.50	
M6PFDA	368268.4	3.779433	488,184.00	3.771467	75	50 - 150	0.0080	+/-0.50	
M3PFBS	85756.57	1.886683	144,937.00	1.886683	59	50 - 150	0.0000	+/-0.50	
M7PFUnA	299245.2	3.914083	445,936.00	3.9061	67	50 - 150	0.0080	+/-0.50	
M2-6:2FTS	72652.04	3.4373	40,257.00	3.429333	180	50 - 150	0.0080	+/-0.50	*
M5PFPeA	253542.3	1.706567	449,031.00	1.706567	56	50 - 150	0.0000	+/-0.50	
M5PFHxA	460439.1	2.564133	800,305.00	2.555917	58	50 - 150	0.0082	+/-0.50	
M3PFHxS	75621.51	3.218333	107,652.00	3.210267	70	50 - 150	0.0081	+/-0.50	
M4PFHpA	504814.8	3.178867	856,297.00	3.1708	59	50 - 150	0.0081	+/-0.50	
M8PFOA	472074.9	3.453817	837,098.00	3.44585	56	50 - 150	0.0080	+/-0.50	
M9PFNA	377137.5	3.637233	541,836.00	3.62925	70	50 - 150	0.0080	+/-0.50	
MPFDoA	274939.6	4.0407	405,476.00	4.032717	68	50 - 150	0.0080	+/-0.50	
D5-NEtFOSAA	73784.28	3.92155	115,737.00	3.913567	64	50 - 150	0.0080	+/-0.50	
D3-NMeFOSAA	94133.82	3.849717	132,342.00	3.841767	71	50 - 150	0.0080	+/-0.50	
<b>UNK-02-20230425 (23D3130-03RE1 )</b>									
			Lab File ID: 23D3130-03RE1.d			Analyzed: 05/13/23 14:52			
M8PFOS	68875.31	3.620233	70,875.00	3.620217	97	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>GW-DUP-20230425 (23D3130-04 )</b>			Lab File ID: 23D3130-04.d			Analyzed: 05/12/23 05:17			
M8FOSA	116296.3	4.052516	232,606.00	4.05255	50	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	37176.27	2.4886	78,799.00	2.472183	47	50 - 150	0.0164	+/-0.50	*
M2PF <sub>TA</sub>	330686.3	4.27305	639,112.00	4.26495	52	50 - 150	0.0081	+/-0.50	
M2-8:2FTS	31524.54	3.778883	65,957.00	3.77095	48	50 - 150	0.0079	+/-0.50	*
MPF <sub>BA</sub>	284583.7	1.0834	525,734.00	1.075083	54	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	96876.15	2.831117	135,411.00	2.814767	72	50 - 150	0.0164	+/-0.50	
M6PF <sub>DA</sub>	285178.8	3.779417	488,184.00	3.771467	58	50 - 150	0.0080	+/-0.50	
M3PF <sub>BS</sub>	80699.51	1.90325	144,937.00	1.886683	56	50 - 150	0.0166	+/-0.50	
M7PF <sub>UnA</sub>	232605	3.914067	445,936.00	3.9061	52	50 - 150	0.0080	+/-0.50	
M2-6:2FTS	23978.59	3.4373	40,257.00	3.429333	60	50 - 150	0.0080	+/-0.50	
M5PF <sub>PeA</sub>	245392.2	1.7231	449,031.00	1.706567	55	50 - 150	0.0165	+/-0.50	
M5PF <sub>HxA</sub>	437813.5	2.58055	800,305.00	2.555917	55	50 - 150	0.0246	+/-0.50	
M3PF <sub>HxS</sub>	58946.18	3.218333	107,652.00	3.210267	55	50 - 150	0.0081	+/-0.50	
M4PF <sub>HpA</sub>	447545	3.178867	856,297.00	3.1708	52	50 - 150	0.0081	+/-0.50	
M8PF <sub>OA</sub>	400180.5	3.453817	837,098.00	3.44585	48	50 - 150	0.0080	+/-0.50	*
M8PF <sub>OS</sub>	41642.69	3.636183	80,920.00	3.628217	51	50 - 150	0.0080	+/-0.50	
M9PF <sub>NA</sub>	279747.1	3.637217	541,836.00	3.62925	52	50 - 150	0.0080	+/-0.50	
MPF <sub>DoA</sub>	225843.9	4.048683	405,476.00	4.032717	56	50 - 150	0.0160	+/-0.50	
D5-NEtFOSAA	58702.45	3.921533	115,737.00	3.913567	51	50 - 150	0.0080	+/-0.50	
D3-NMeFOSAA	71482.63	3.8497	132,342.00	3.841767	54	50 - 150	0.0079	+/-0.50	



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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SW-01A-20230425 (23D3130-05 )</b>			Lab File ID: 23D3130-05.d			Analyzed: 05/12/23 05:24			
M8FOSA	141190.8	4.052516	232,606.00	4.05255	61	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	47407.41	2.4886	78,799.00	2.472183	60	50 - 150	0.0164	+/-0.50	
M2PF <sub>T</sub> A	361792.9	4.27305	639,112.00	4.26495	57	50 - 150	0.0081	+/-0.50	
M2-8:2FTS	39574.14	3.7789	65,957.00	3.77095	60	50 - 150	0.0080	+/-0.50	
MPFBA	333921.2	1.0834	525,734.00	1.075083	64	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	117926.2	2.831117	135,411.00	2.814767	87	50 - 150	0.0164	+/-0.50	
M6PFDA	335316.4	3.779417	488,184.00	3.771467	69	50 - 150	0.0080	+/-0.50	
M3PFBS	99572.77	1.90325	144,937.00	1.886683	69	50 - 150	0.0166	+/-0.50	
M7PFUnA	287566.4	3.914067	445,936.00	3.9061	64	50 - 150	0.0080	+/-0.50	
M2-6:2FTS	34526.86	3.4373	40,257.00	3.429333	86	50 - 150	0.0080	+/-0.50	
M5PFPeA	293189.4	1.7231	449,031.00	1.706567	65	50 - 150	0.0165	+/-0.50	
M5PFHxA	515834.2	2.58055	800,305.00	2.555917	64	50 - 150	0.0246	+/-0.50	
M3PFHxS	72321.31	3.218333	107,652.00	3.210267	67	50 - 150	0.0081	+/-0.50	
M4PFHpA	556124	3.178867	856,297.00	3.1708	65	50 - 150	0.0081	+/-0.50	
M8PFOA	484798.2	3.453817	837,098.00	3.44585	58	50 - 150	0.0080	+/-0.50	
M8PFOS	50574.2	3.636183	80,920.00	3.628217	62	50 - 150	0.0080	+/-0.50	
M9PFNA	343251.8	3.637217	541,836.00	3.62925	63	50 - 150	0.0080	+/-0.50	
MPFDoA	261703.2	4.040683	405,476.00	4.032717	65	50 - 150	0.0080	+/-0.50	
D5-NEtFOSAA	64802.2	3.921533	115,737.00	3.913567	56	50 - 150	0.0080	+/-0.50	
D3-NMeFOSAA	83715.59	3.8497	132,342.00	3.841767	63	50 - 150	0.0079	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SW-02A-20230425 (23D3130-06 )</b>									
			Lab File ID: 23D3130-06.d			Analyzed: 05/12/23 05:31			
M8FOSA	142829.2	4.052533	232,606.00	4.05255	61	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	48422.62	2.4886	78,799.00	2.472183	61	50 - 150	0.0164	+/-0.50	
M2PFTA	342226.6	4.27305	639,112.00	4.26495	54	50 - 150	0.0081	+/-0.50	
M2-8:2FTS	35725.74	3.7789	65,957.00	3.77095	54	50 - 150	0.0080	+/-0.50	
MPFBA	313988.5	1.0834	525,734.00	1.075083	60	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	102393.6	2.831117	135,411.00	2.814767	76	50 - 150	0.0164	+/-0.50	
M6PFDA	304623.9	3.779417	488,184.00	3.771467	62	50 - 150	0.0080	+/-0.50	
M3PFBS	88243.7	1.894967	144,937.00	1.886683	61	50 - 150	0.0083	+/-0.50	
M7PFUnA	269127.1	3.914067	445,936.00	3.9061	60	50 - 150	0.0080	+/-0.50	
M2-6:2FTS	30232.2	3.4373	40,257.00	3.429333	75	50 - 150	0.0080	+/-0.50	
M5PFPeA	258666.5	1.7231	449,031.00	1.706567	58	50 - 150	0.0165	+/-0.50	
M5PFHxA	445697.4	2.58055	800,305.00	2.555917	56	50 - 150	0.0246	+/-0.50	
M3PFHxS	63908.4	3.218333	107,652.00	3.210267	59	50 - 150	0.0081	+/-0.50	
M4PFHpA	465227.2	3.178867	856,297.00	3.1708	54	50 - 150	0.0081	+/-0.50	
M8PFOA	418598.3	3.453817	837,098.00	3.44585	50	50 - 150	0.0080	+/-0.50	
M8PFOS	53335.98	3.6362	80,920.00	3.628217	66	50 - 150	0.0080	+/-0.50	
M9PFNA	297957.3	3.637233	541,836.00	3.62925	55	50 - 150	0.0080	+/-0.50	
MPFDoA	252690	4.0407	405,476.00	4.032717	62	50 - 150	0.0080	+/-0.50	
D5-NEtFOSAA	62359.2	3.921533	115,737.00	3.913567	54	50 - 150	0.0080	+/-0.50	
D3-NMeFOSAA	76948.88	3.849717	132,342.00	3.841767	58	50 - 150	0.0080	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SW-03A-20230425 (23D3130-07)</b>			Lab File ID: 23D3130-07.d			Analyzed: 05/12/23 05:38			
M8FOSA	108344.5	4.052533	232,606.00	4.05255	47	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	58534.9	2.4886	78,799.00	2.472183	74	50 - 150	0.0164	+/-0.50	
M2PF <sub>TA</sub>	327347.1	4.27305	639,112.00	4.26495	51	50 - 150	0.0081	+/-0.50	
M2-8:2FTS	55470.18	3.770917	65,957.00	3.77095	84	50 - 150	0.0000	+/-0.50	
MPF <sub>BA</sub>	254294.6	1.0834	525,734.00	1.075083	48	50 - 150	0.0083	+/-0.50	*
M3HFPO-DA	95402.27	2.831117	135,411.00	2.814767	70	50 - 150	0.0164	+/-0.50	
M6PF <sub>DA</sub>	322363.7	3.77145	488,184.00	3.771467	66	50 - 150	0.0000	+/-0.50	
M3PF <sub>BS</sub>	85125.08	1.894967	144,937.00	1.886683	59	50 - 150	0.0083	+/-0.50	
M7PF <sub>UnA</sub>	243571	3.897883	445,936.00	3.9061	55	50 - 150	-0.0082	+/-0.50	
M2-6:2FTS	53188.04	3.4373	40,257.00	3.429333	132	50 - 150	0.0080	+/-0.50	
M5PF <sub>PeA</sub>	246171.8	1.714833	449,031.00	1.706567	55	50 - 150	0.0083	+/-0.50	
M5PF <sub>HxA</sub>	429854.8	2.572333	800,305.00	2.555917	54	50 - 150	0.0164	+/-0.50	
M3PF <sub>HxS</sub>	62364.58	3.218333	107,652.00	3.210267	58	50 - 150	0.0081	+/-0.50	
M4PF <sub>HpA</sub>	464070	3.178867	856,297.00	3.1708	54	50 - 150	0.0081	+/-0.50	
M8PF <sub>OA</sub>	406195.3	3.445833	837,098.00	3.44585	49	50 - 150	0.0000	+/-0.50	*
M8PF <sub>OS</sub>	47767.83	3.636183	80,920.00	3.628217	59	50 - 150	0.0080	+/-0.50	
M9PF <sub>NA</sub>	305616.6	3.629233	541,836.00	3.62925	56	50 - 150	0.0000	+/-0.50	
MPF <sub>DoA</sub>	203607.8	4.0327	405,476.00	4.032717	50	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	64161.86	3.90555	115,737.00	3.913567	55	50 - 150	-0.0080	+/-0.50	
D3-NMeFOSAA	44918.48	3.833783	132,342.00	3.841767	34	50 - 150	-0.0080	+/-0.50	*

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SW-04A-20230425 (23D3130-08 )</b>			Lab File ID: 23D3130-08.d			Analyzed: 05/12/23 05:46			
M8FOSA	128413.5	4.052516	232,606.00	4.05255	55	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	62618.06	2.4886	78,799.00	2.472183	79	50 - 150	0.0164	+/-0.50	
M2PF <sub>TA</sub>	318528	4.27305	639,112.00	4.26495	50	50 - 150	0.0081	+/-0.50	
M2-8:2FTS	34804.26	3.778883	65,957.00	3.77095	53	50 - 150	0.0079	+/-0.50	
MPFBA	258922.3	1.0834	525,734.00	1.075083	49	50 - 150	0.0083	+/-0.50	*
M3HFPO-DA	93659.38	2.831117	135,411.00	2.814767	69	50 - 150	0.0164	+/-0.50	
M6PFDA	277398.1	3.779417	488,184.00	3.771467	57	50 - 150	0.0080	+/-0.50	
M3PFBS	78995.93	1.894967	144,937.00	1.886683	55	50 - 150	0.0083	+/-0.50	
M7PFUnA	245141.3	3.914067	445,936.00	3.9061	55	50 - 150	0.0080	+/-0.50	
M2-6:2FTS	39602.66	3.4373	40,257.00	3.429333	98	50 - 150	0.0080	+/-0.50	
M5PFPeA	241505.4	1.714833	449,031.00	1.706567	54	50 - 150	0.0083	+/-0.50	
M5PFHxA	416908.2	2.572333	800,305.00	2.555917	52	50 - 150	0.0164	+/-0.50	
M3PFHxS	63446.62	3.218333	107,652.00	3.210267	59	50 - 150	0.0081	+/-0.50	
M4PFHpA	463169.7	3.178867	856,297.00	3.1708	54	50 - 150	0.0081	+/-0.50	
M8PFOA	398569.1	3.453817	837,098.00	3.44585	48	50 - 150	0.0080	+/-0.50	*
M8PFOS	45543.71	3.636183	80,920.00	3.628217	56	50 - 150	0.0080	+/-0.50	
M9PFNA	287575	3.629233	541,836.00	3.62925	53	50 - 150	0.0000	+/-0.50	
MPFDoA	207583.5	4.040683	405,476.00	4.032717	51	50 - 150	0.0080	+/-0.50	
D5-NEtFOSAA	55945.73	3.921533	115,737.00	3.913567	48	50 - 150	0.0080	+/-0.50	*
D3-NMeFOSAA	78195.52	3.8497	132,342.00	3.841767	59	50 - 150	0.0079	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SW-05-20230425 (23D3130-09)</b>									
			Lab File ID: 23D3130-09.d			Analyzed: 05/12/23 05:53			
M8FOSA	144087.7	4.052533	232,606.00	4.05255	62	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	48437.03	2.4886	78,799.00	2.472183	61	50 - 150	0.0164	+/-0.50	
M2PFTA	378746.6	4.27305	639,112.00	4.26495	59	50 - 150	0.0081	+/-0.50	
M2-8:2FTS	36968.27	3.7789	65,957.00	3.77095	56	50 - 150	0.0080	+/-0.50	
MPFBA	314323.1	1.0834	525,734.00	1.075083	60	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	108331.3	2.831117	135,411.00	2.814767	80	50 - 150	0.0164	+/-0.50	
M6PFDA	300463.5	3.779417	488,184.00	3.771467	62	50 - 150	0.0080	+/-0.50	
M3PFBS	93843.55	1.894967	144,937.00	1.886683	65	50 - 150	0.0083	+/-0.50	
M7PFUnA	282262.9	3.914067	445,936.00	3.9061	63	50 - 150	0.0080	+/-0.50	
M2-6:2FTS	28980.28	3.4373	40,257.00	3.429333	72	50 - 150	0.0080	+/-0.50	
M5PFPeA	282506.6	1.7231	449,031.00	1.706567	63	50 - 150	0.0165	+/-0.50	
M5PFHxA	491323.4	2.58055	800,305.00	2.555917	61	50 - 150	0.0246	+/-0.50	
M3PFHxS	70853.55	3.218333	107,652.00	3.210267	66	50 - 150	0.0081	+/-0.50	
M4PFHpA	521355.6	3.178867	856,297.00	3.1708	61	50 - 150	0.0081	+/-0.50	
M8PFOA	441517.3	3.453817	837,098.00	3.44585	53	50 - 150	0.0080	+/-0.50	
M8PFOS	51831.38	3.6362	80,920.00	3.628217	64	50 - 150	0.0080	+/-0.50	
M9PFNA	313662.3	3.637233	541,836.00	3.62925	58	50 - 150	0.0080	+/-0.50	
MPFDoA	259326.2	4.0407	405,476.00	4.032717	64	50 - 150	0.0080	+/-0.50	
D5-NEtFOSAA	65389.34	3.921533	115,737.00	3.913567	56	50 - 150	0.0080	+/-0.50	
D3-NMeFOSAA	80749.93	3.849717	132,342.00	3.841767	61	50 - 150	0.0080	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SW-06-20230425 (23D3130-10 )</b>			Lab File ID: 23D3130-10.d			Analyzed: 05/12/23 06:00			
M8FOSA	79085.3	4.052533	232,606.00	4.05255	34	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	104858.8	2.4804	78,799.00	2.472183	133	50 - 150	0.0082	+/-0.50	
M2PF <sub>T</sub> A	99300.11	4.273067	639,112.00	4.26495	16	50 - 150	0.0081	+/-0.50	*
M2-8:2FTS	62966.27	3.7789	65,957.00	3.77095	95	50 - 150	0.0080	+/-0.50	
MPFBA	172940.2	1.075083	525,734.00	1.075083	33	50 - 150	0.0000	+/-0.50	*
M3HFPO-DA	68960.77	2.822933	135,411.00	2.814767	51	50 - 150	0.0082	+/-0.50	
M6PFDA	285299.6	3.779417	488,184.00	3.771467	58	50 - 150	0.0080	+/-0.50	
M3PFBS	69267.76	1.886683	144,937.00	1.886683	48	50 - 150	0.0000	+/-0.50	*
M7PFUnA	247489.4	3.914067	445,936.00	3.9061	55	50 - 150	0.0080	+/-0.50	
M2-6:2FTS	66327.45	3.4373	40,257.00	3.429333	165	50 - 150	0.0080	+/-0.50	*
M5PFPeA	211979.2	1.706567	449,031.00	1.706567	47	50 - 150	0.0000	+/-0.50	*
M5PFHxA	371374.4	2.564133	800,305.00	2.555917	46	50 - 150	0.0082	+/-0.50	*
M3PFHxS	59733.79	3.21025	107,652.00	3.210267	55	50 - 150	0.0000	+/-0.50	
M4PFHpA	419150.9	3.178867	856,297.00	3.1708	49	50 - 150	0.0081	+/-0.50	*
M8PFOA	377277.2	3.445833	837,098.00	3.44585	45	50 - 150	0.0000	+/-0.50	*
M9PFNA	274366.5	3.637233	541,836.00	3.62925	51	50 - 150	0.0080	+/-0.50	
MPFD <sub>o</sub> A	191747.4	4.0407	405,476.00	4.032717	47	50 - 150	0.0080	+/-0.50	*
D5-NEtFOSAA	64135.05	3.921533	115,737.00	3.913567	55	50 - 150	0.0080	+/-0.50	
D3-NMeFOSAA	85511.34	3.849717	132,342.00	3.841767	65	50 - 150	0.0080	+/-0.50	
<b>SW-06-20230425 (23D3130-10RE1 )</b>			Lab File ID: 23D3130-10RE1.d			Analyzed: 05/13/23 14:59			
M8PFOS	68564.16	3.620217	70,875.00	3.620217	97	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SW-07-20230425 (23D3130-11)</b>			Lab File ID: 23D3130-11.d			Analyzed: 05/12/23 06:22			
M8FOSA	81986.06	4.052533	232,606.00	4.052516	35	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	74350.14	2.4886	78,799.00	2.4886	94	50 - 150	0.0000	+/-0.50	
M2PFTA	184101	4.27305	639,112.00	4.27305	29	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	58051.28	3.7789	65,957.00	3.778883	88	50 - 150	0.0000	+/-0.50	
MPFBA	303880.2	1.0834	525,734.00	1.075083	58	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	135243.8	2.831117	135,411.00	2.822933	100	50 - 150	0.0082	+/-0.50	
M6PFDA	394102.1	3.779417	488,184.00	3.779417	81	50 - 150	0.0000	+/-0.50	
M3PFBS	104478.5	1.894967	144,937.00	1.894967	72	50 - 150	0.0000	+/-0.50	
M7PFUnA	304312.7	3.914067	445,936.00	3.914067	68	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	69054.61	3.4373	40,257.00	3.4373	172	50 - 150	0.0000	+/-0.50	*
M5PFPeA	326755.1	1.714833	449,031.00	1.714833	73	50 - 150	0.0000	+/-0.50	
M5PFHxA	622510.4	2.572333	800,305.00	2.572333	78	50 - 150	0.0000	+/-0.50	
M3PFHxS	93588.08	3.21025	107,652.00	3.21025	87	50 - 150	0.0000	+/-0.50	
M4PFHpA	667560	3.178867	856,297.00	3.178867	78	50 - 150	0.0000	+/-0.50	
M8PFOA	613626.6	3.445833	837,098.00	3.445833	73	50 - 150	0.0000	+/-0.50	
M8PFOS	64458.37	3.6362	80,920.00	3.6282	80	50 - 150	0.0080	+/-0.50	
M9PFNA	407245	3.62925	541,836.00	3.629233	75	50 - 150	0.0000	+/-0.50	
MPFDoA	206250.6	4.040683	405,476.00	4.040683	51	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	77732.13	3.921533	115,737.00	3.921533	67	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	97609.42	3.8497	132,342.00	3.8497	74	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SW-08-20230425 (23D3130-12)</b>									
			Lab File ID: 23D3130-12.d			Analyzed: 05/12/23 06:29			
M8FOSA	159456.4	4.052533	232,606.00	4.052516	69	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	78633.55	2.4886	78,799.00	2.4886	100	50 - 150	0.0000	+/-0.50	
M2PF <sub>TA</sub>	415997	4.264917	639,112.00	4.27305	65	50 - 150	-0.0081	+/-0.50	
M2-8:2FTS	64036.5	3.770933	65,957.00	3.778883	97	50 - 150	-0.0080	+/-0.50	
MPF <sub>BA</sub>	370369.8	1.075083	525,734.00	1.075083	70	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	128275	2.822933	135,411.00	2.822933	95	50 - 150	0.0000	+/-0.50	
M6PF <sub>DA</sub>	435360.5	3.77145	488,184.00	3.779417	89	50 - 150	-0.0080	+/-0.50	
M3PF <sub>BS</sub>	112109.3	1.894967	144,937.00	1.894967	77	50 - 150	0.0000	+/-0.50	
M7PF <sub>UnA</sub>	390041.5	3.906067	445,936.00	3.914067	87	50 - 150	-0.0080	+/-0.50	
M2-6:2FTS	66230.98	3.4373	40,257.00	3.4373	165	50 - 150	0.0000	+/-0.50	*
M5PF <sub>PeA</sub>	354829.1	1.714833	449,031.00	1.714833	79	50 - 150	0.0000	+/-0.50	
M5PF <sub>HxA</sub>	623554	2.572333	800,305.00	2.572333	78	50 - 150	0.0000	+/-0.50	
M3PF <sub>HxS</sub>	92768.74	3.21025	107,652.00	3.21025	86	50 - 150	0.0000	+/-0.50	
M4PF <sub>HpA</sub>	676101.4	3.178867	856,297.00	3.178867	79	50 - 150	0.0000	+/-0.50	
M8PF <sub>OA</sub>	636682.5	3.445833	837,098.00	3.445833	76	50 - 150	0.0000	+/-0.50	
M8PF <sub>OS</sub>	69568.98	3.6282	80,920.00	3.6282	86	50 - 150	0.0000	+/-0.50	
M9PF <sub>NA</sub>	474655.8	3.62925	541,836.00	3.629233	88	50 - 150	0.0000	+/-0.50	
MPF <sub>DoA</sub>	300679.8	4.0407	405,476.00	4.040683	74	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	99443.23	3.91355	115,737.00	3.921533	86	50 - 150	-0.0080	+/-0.50	
D3-NMeFOSAA	111788.9	3.84175	132,342.00	3.8497	84	50 - 150	-0.0079	+/-0.50	



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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SW-09-20230425 (23D3130-13)</b>									
			Lab File ID: 23D3130-13.d			Analyzed: 05/12/23 06:37			
M8FOSA	157131.4	4.052533	232,606.00	4.052516	68	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	75616.9	2.4886	78,799.00	2.4886	96	50 - 150	0.0000	+/-0.50	
M2PF <sub>TA</sub>	291467.8	4.27305	639,112.00	4.27305	46	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	43629.9	3.7789	65,957.00	3.778883	66	50 - 150	0.0000	+/-0.50	
MPFBA	341771.9	1.0834	525,734.00	1.075083	65	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	124373.5	2.822933	135,411.00	2.822933	92	50 - 150	0.0000	+/-0.50	
M6PFDA	340719.7	3.779417	488,184.00	3.779417	70	50 - 150	0.0000	+/-0.50	
M3PFBS	114262.3	1.894967	144,937.00	1.894967	79	50 - 150	0.0000	+/-0.50	
M7PFUnA	275351.8	3.914067	445,936.00	3.914067	62	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	54254.84	3.4373	40,257.00	3.4373	135	50 - 150	0.0000	+/-0.50	
M5PFPeA	353705.9	1.714833	449,031.00	1.714833	79	50 - 150	0.0000	+/-0.50	
M5PFHxA	632491.1	2.572333	800,305.00	2.572333	79	50 - 150	0.0000	+/-0.50	
M3PFHxS	87375	3.21025	107,652.00	3.21025	81	50 - 150	0.0000	+/-0.50	
M4PFHpA	665281.7	3.178867	856,297.00	3.178867	78	50 - 150	0.0000	+/-0.50	
M8PFOA	608738.4	3.445833	837,098.00	3.445833	73	50 - 150	0.0000	+/-0.50	
M8PFOS	54750.79	3.6362	80,920.00	3.6282	68	50 - 150	0.0080	+/-0.50	
M9PFNA	386327.2	3.62925	541,836.00	3.629233	71	50 - 150	0.0000	+/-0.50	
MPFDoA	193107.7	4.040683	405,476.00	4.040683	48	50 - 150	0.0000	+/-0.50	*
D5-NEtFOSAA	71844.09	3.921533	115,737.00	3.921533	62	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	80128.27	3.8497	132,342.00	3.8497	61	50 - 150	0.0000	+/-0.50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SW-10-20230425 (23D3130-14)</b>									
			Lab File ID: 23D3130-14.d			Analyzed: 05/12/23 06:44			
M8FOSA	88446.7	4.052533	232,606.00	4.052516	38	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	68562.88	2.488617	78,799.00	2.4886	87	50 - 150	0.0000	+/-0.50	
M2PFTA	378387.8	4.273067	639,112.00	4.27305	59	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	46563.77	3.7789	65,957.00	3.778883	71	50 - 150	0.0000	+/-0.50	
MPFBA	367713.3	1.0834	525,734.00	1.075083	70	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	134319.6	2.831133	135,411.00	2.822933	99	50 - 150	0.0082	+/-0.50	
M6PFDA	373857.1	3.779433	488,184.00	3.779417	77	50 - 150	0.0000	+/-0.50	
M3PFBS	110670.9	1.894967	144,937.00	1.894967	76	50 - 150	0.0000	+/-0.50	
M7PFUnA	338105.3	3.914067	445,936.00	3.914067	76	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	44573.86	3.437317	40,257.00	3.4373	111	50 - 150	0.0000	+/-0.50	
M5PFPeA	341068.7	1.714833	449,031.00	1.714833	76	50 - 150	0.0000	+/-0.50	
M5PFHxA	607580.2	2.57235	800,305.00	2.572333	76	50 - 150	0.0000	+/-0.50	
M3PFHxS	84962.83	3.21835	107,652.00	3.21025	79	50 - 150	0.0081	+/-0.50	
M4PFHpA	625238.2	3.178867	856,297.00	3.178867	73	50 - 150	0.0000	+/-0.50	
M8PFOA	593619.9	3.445833	837,098.00	3.445833	71	50 - 150	0.0000	+/-0.50	
M8PFOS	67421.13	3.6362	80,920.00	3.6282	83	50 - 150	0.0080	+/-0.50	
M9PFNA	428444.3	3.62925	541,836.00	3.629233	79	50 - 150	0.0000	+/-0.50	
MPFDoA	267843.3	4.0407	405,476.00	4.040683	66	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	86791.95	3.92155	115,737.00	3.921533	75	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	106133.3	3.849717	132,342.00	3.8497	80	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SW-11-20230425 (23D3130-15 )</b>			Lab File ID: 23D3130-15.d			Analyzed: 05/12/23 06:51			
M8FOSA	134618	4.052516	232,606.00	4.052516	58	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	113320.2	2.4804	78,799.00	2.4886	144	50 - 150	-0.0082	+/-0.50	
M2PF <sub>TA</sub>	227547.5	4.27305	639,112.00	4.27305	36	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	63729.5	3.778883	65,957.00	3.778883	97	50 - 150	0.0000	+/-0.50	
MPFBA	185588.9	1.075083	525,734.00	1.075083	35	50 - 150	0.0000	+/-0.50	*
M3HFPO-DA	115055.8	2.822933	135,411.00	2.822933	85	50 - 150	0.0000	+/-0.50	
M6PFDA	324039.2	3.779417	488,184.00	3.779417	66	50 - 150	0.0000	+/-0.50	
M3PFBS	91874.91	1.886683	144,937.00	1.894967	63	50 - 150	-0.0083	+/-0.50	
M7PFUnA	292122.2	3.914067	445,936.00	3.914067	66	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	80222.32	3.4373	40,257.00	3.4373	199	50 - 150	0.0000	+/-0.50	*
M5PFPeA	272158.6	1.706567	449,031.00	1.714833	61	50 - 150	-0.0083	+/-0.50	
M5PFHxA	519614.4	2.564133	800,305.00	2.572333	65	50 - 150	-0.0082	+/-0.50	
M3PFHxS	77377.13	3.21025	107,652.00	3.21025	72	50 - 150	0.0000	+/-0.50	
M4PFHpA	564577.4	3.178867	856,297.00	3.178867	66	50 - 150	0.0000	+/-0.50	
M8PFOA	505388.8	3.445833	837,098.00	3.445833	60	50 - 150	0.0000	+/-0.50	
M8PFOS	54926.36	3.6282	80,920.00	3.6282	68	50 - 150	0.0000	+/-0.50	
M9PFNA	370906.9	3.629233	541,836.00	3.629233	68	50 - 150	0.0000	+/-0.50	
MPFDoA	228563	4.040683	405,476.00	4.040683	56	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	77936.23	3.921533	115,737.00	3.921533	67	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	88208.29	3.8497	132,342.00	3.8497	67	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>SW-13-20230425 (23D3130-16)</b>									
			Lab File ID: 23D3130-16.d			Analyzed: 05/12/23 06:58			
M8FOSA	164032.4	4.052533	232,606.00	4.052516	71	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	137904.3	2.472183	78,799.00	2.4886	175	50 - 150	-0.0164	+/-0.50	*
M2PFTA	396334.6	4.273067	639,112.00	4.27305	62	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	81746.8	3.7789	65,957.00	3.778883	124	50 - 150	0.0000	+/-0.50	
MPFBA	239411	1.075083	525,734.00	1.075083	46	50 - 150	0.0000	+/-0.50	*
M3HFPO-DA	88336.76	2.81475	135,411.00	2.822933	65	50 - 150	-0.0082	+/-0.50	
M6PFDA	345094.6	3.779433	488,184.00	3.779417	71	50 - 150	0.0000	+/-0.50	
M3PFBS	94101.72	1.878383	144,937.00	1.894967	65	50 - 150	-0.0166	+/-0.50	
M7PFUnA	339371.3	3.914083	445,936.00	3.914067	76	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	95247.45	3.429317	40,257.00	3.4373	237	50 - 150	-0.0080	+/-0.50	*
M5PFPeA	273738.3	1.698283	449,031.00	1.714833	61	50 - 150	-0.0166	+/-0.50	
M5PFHxA	496551.3	2.555917	800,305.00	2.572333	62	50 - 150	-0.0164	+/-0.50	
M3PFHxS	79250.45	3.210267	107,652.00	3.21025	74	50 - 150	0.0000	+/-0.50	
M4PFHpA	561920.2	3.1708	856,297.00	3.178867	66	50 - 150	-0.0081	+/-0.50	
M8PFOA	522521.3	3.44585	837,098.00	3.445833	62	50 - 150	0.0000	+/-0.50	
M8PFOS	53049.39	3.628217	80,920.00	3.6282	66	50 - 150	0.0000	+/-0.50	
M9PFNA	369599.8	3.62925	541,836.00	3.629233	68	50 - 150	0.0000	+/-0.50	
MPFDoA	258106.1	4.0407	405,476.00	4.040683	64	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	91284	3.92155	115,737.00	3.921533	79	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	99803.34	3.849717	132,342.00	3.8497	75	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>DUPLICATE-04-23-25 (23D3130-17)</b>			Lab File ID: 23D3130-17.d			Analyzed: 05/12/23 07:06			
M8FOSA	159007	4.052533	232,606.00	4.052516	68	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	56889.36	2.4886	78,799.00	2.4886	72	50 - 150	0.0000	+/-0.50	
M2PF <sub>TA</sub>	398888.6	4.273067	639,112.00	4.27305	62	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	40016.54	3.7789	65,957.00	3.778883	61	50 - 150	0.0000	+/-0.50	
MPF <sub>BA</sub>	355839.2	1.075083	525,734.00	1.075083	68	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	117730.1	2.822933	135,411.00	2.822933	87	50 - 150	0.0000	+/-0.50	
M6PF <sub>DA</sub>	364145.7	3.779417	488,184.00	3.779417	75	50 - 150	0.0000	+/-0.50	
M3PF <sub>BS</sub>	95295.55	1.894967	144,937.00	1.894967	66	50 - 150	0.0000	+/-0.50	
M7PF <sub>UnA</sub>	323358	3.914067	445,936.00	3.914067	73	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	36652.56	3.4373	40,257.00	3.4373	91	50 - 150	0.0000	+/-0.50	
M5PF <sub>PeA</sub>	295536.8	1.714833	449,031.00	1.714833	66	50 - 150	0.0000	+/-0.50	
M5PF <sub>HxA</sub>	516915.1	2.572333	800,305.00	2.572333	65	50 - 150	0.0000	+/-0.50	
M3PF <sub>HxS</sub>	74904.59	3.21025	107,652.00	3.21025	70	50 - 150	0.0000	+/-0.50	
M4PF <sub>HpA</sub>	551522.9	3.178867	856,297.00	3.178867	64	50 - 150	0.0000	+/-0.50	
M8PF <sub>OA</sub>	500208.1	3.445833	837,098.00	3.445833	60	50 - 150	0.0000	+/-0.50	
M8PF <sub>OS</sub>	58080.21	3.628217	80,920.00	3.6282	72	50 - 150	0.0000	+/-0.50	
M9PF <sub>NA</sub>	368219.3	3.62925	541,836.00	3.629233	68	50 - 150	0.0000	+/-0.50	
MPF <sub>DoA</sub>	262764.9	4.0407	405,476.00	4.040683	65	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	81095.77	3.921533	115,737.00	3.921533	70	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	99407.69	3.849717	132,342.00	3.8497	75	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>EB-Bowl-20230425 (23D3130-18)</b>			Lab File ID: 23D3130-18.d			Analyzed: 05/12/23 07:13			
M8FOSA	133559.6	4.052516	232,606.00	4.052516	57	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	52967.86	2.4886	78,799.00	2.4886	67	50 - 150	0.0000	+/-0.50	
M2PF <sub>TA</sub>	437747.5	4.27305	639,112.00	4.27305	68	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	35658.59	3.778883	65,957.00	3.778883	54	50 - 150	0.0000	+/-0.50	
MPFBA	369168.7	1.0834	525,734.00	1.075083	70	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	128116.2	2.831117	135,411.00	2.822933	95	50 - 150	0.0082	+/-0.50	
M6PFDA	329017.4	3.779417	488,184.00	3.779417	67	50 - 150	0.0000	+/-0.50	
M3PFBS	95865.76	1.894967	144,937.00	1.894967	66	50 - 150	0.0000	+/-0.50	
M7PFUnA	290677.9	3.914067	445,936.00	3.914067	65	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	24850.39	3.4373	40,257.00	3.4373	62	50 - 150	0.0000	+/-0.50	
M5PFPeA	294420.3	1.7231	449,031.00	1.714833	66	50 - 150	0.0083	+/-0.50	
M5PFHxA	508109.2	2.572333	800,305.00	2.572333	63	50 - 150	0.0000	+/-0.50	
M3PFHxS	68129.26	3.218333	107,652.00	3.21025	63	50 - 150	0.0081	+/-0.50	
M4PFHpA	523015.7	3.17885	856,297.00	3.178867	61	50 - 150	0.0000	+/-0.50	
M8PFOA	479221.1	3.445833	837,098.00	3.445833	57	50 - 150	0.0000	+/-0.50	
M8PFOS	49287.48	3.636183	80,920.00	3.6282	61	50 - 150	0.0080	+/-0.50	
M9PFNA	340740.9	3.629233	541,836.00	3.629233	63	50 - 150	0.0000	+/-0.50	
MPFDoA	255968.7	4.040683	405,476.00	4.040683	63	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	67696.28	3.921533	115,737.00	3.921533	58	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	99411.28	3.8497	132,342.00	3.8497	75	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>EB-Tubing-20230425 (23D3130-19)</b>									
			Lab File ID: 23D3130-19.d			Analyzed: 05/12/23 07:20			
M8FOSA	129864.7	4.052516	232,606.00	4.052516	56	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	54383.59	2.4886	78,799.00	2.4886	69	50 - 150	0.0000	+/-0.50	
M2PFTA	408221.7	4.27305	639,112.00	4.27305	64	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	38777.63	3.778883	65,957.00	3.778883	59	50 - 150	0.0000	+/-0.50	
MPFBA	362466.8	1.075083	525,734.00	1.075083	69	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	113247.2	2.822933	135,411.00	2.822933	84	50 - 150	0.0000	+/-0.50	
M6PFDA	321887.7	3.779417	488,184.00	3.779417	66	50 - 150	0.0000	+/-0.50	
M3PFBS	99058.64	1.894967	144,937.00	1.894967	68	50 - 150	0.0000	+/-0.50	
M7PFUnA	284752.4	3.914067	445,936.00	3.914067	64	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	29170.5	3.4373	40,257.00	3.4373	72	50 - 150	0.0000	+/-0.50	
M5PFPeA	300928.4	1.714833	449,031.00	1.714833	67	50 - 150	0.0000	+/-0.50	
M5PFHxA	505976.8	2.572333	800,305.00	2.572333	63	50 - 150	0.0000	+/-0.50	
M3PFHxS	71848.8	3.21025	107,652.00	3.21025	67	50 - 150	0.0000	+/-0.50	
M4PFHpA	525454.8	3.178867	856,297.00	3.178867	61	50 - 150	0.0000	+/-0.50	
M8PFOA	490878.3	3.445833	837,098.00	3.445833	59	50 - 150	0.0000	+/-0.50	
M8PFOS	55745.43	3.6282	80,920.00	3.6282	69	50 - 150	0.0000	+/-0.50	
M9PFNA	336841.2	3.629233	541,836.00	3.629233	62	50 - 150	0.0000	+/-0.50	
MPFDoA	250730.7	4.040683	405,476.00	4.040683	62	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	67291.2	3.921533	115,737.00	3.921533	58	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	90294.73	3.8497	132,342.00	3.8497	68	50 - 150	0.0000	+/-0.50	

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Blank (B338504-BLK1 )</b>									
			Lab File ID: B338504-BLK1.d			Analyzed: 05/12/23 04:19			
M8FOSA	184442.9	4.052533	232,606.00	4.05255	79	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	75865.86	2.480383	78,799.00	2.472183	96	50 - 150	0.0082	+/-0.50	
M2PFTA	452369.4	4.264917	639,112.00	4.26495	71	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	39466.8	3.770933	65,957.00	3.77095	60	50 - 150	0.0000	+/-0.50	
MPFBA	465347.8	1.075083	525,734.00	1.075083	89	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	148482.1	2.822933	135,411.00	2.814767	110	50 - 150	0.0082	+/-0.50	
M6PFDA	435226.2	3.77145	488,184.00	3.771467	89	50 - 150	0.0000	+/-0.50	
M3PFBS	123514.2	1.886667	144,937.00	1.886683	85	50 - 150	0.0000	+/-0.50	
M7PFUnA	375032.7	3.906067	445,936.00	3.9061	84	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	35326.92	3.4373	40,257.00	3.429333	88	50 - 150	0.0080	+/-0.50	
M5PFPeA	397492.1	1.706567	449,031.00	1.706567	89	50 - 150	0.0000	+/-0.50	
M5PFHxA	688360	2.564117	800,305.00	2.555917	86	50 - 150	0.0082	+/-0.50	
M3PFHxS	98074.11	3.21025	107,652.00	3.210267	91	50 - 150	0.0000	+/-0.50	
M4PFHpA	738962.4	3.170783	856,297.00	3.1708	86	50 - 150	0.0000	+/-0.50	
M8PFOA	666287.3	3.445833	837,098.00	3.44585	80	50 - 150	0.0000	+/-0.50	
M8PFOS	69466.66	3.6282	80,920.00	3.628217	86	50 - 150	0.0000	+/-0.50	
M9PFNA	491231.9	3.62925	541,836.00	3.62925	91	50 - 150	0.0000	+/-0.50	
MPFDoA	314196.9	4.040683	405,476.00	4.032717	77	50 - 150	0.0080	+/-0.50	
D5-NEtFOSAA	95332.18	3.913533	115,737.00	3.913567	82	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	117703.8	3.84175	132,342.00	3.841767	89	50 - 150	0.0000	+/-0.50	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>LCS (B338504-BS1 )</b>			Lab File ID: B338504-BS1.d			Analyzed: 05/12/23 04:12			
M8FOSA	170222.5	4.052533	232,606.00	4.05255	73	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	81189.09	2.472183	78,799.00	2.472183	103	50 - 150	0.0000	+/-0.50	
M2PFTA	485544.9	4.264917	639,112.00	4.26495	76	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	42144.4	3.770933	65,957.00	3.77095	64	50 - 150	0.0000	+/-0.50	
MPFBA	464259.7	1.075083	525,734.00	1.075083	88	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	161384.1	2.814767	135,411.00	2.814767	119	50 - 150	0.0000	+/-0.50	
M6PFDA	401475.7	3.77145	488,184.00	3.771467	82	50 - 150	0.0000	+/-0.50	
M3PFBS	129643.5	1.886667	144,937.00	1.886683	89	50 - 150	0.0000	+/-0.50	
M7PFUnA	355287.2	3.906083	445,936.00	3.9061	80	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	38372.05	3.429317	40,257.00	3.429333	95	50 - 150	0.0000	+/-0.50	
M5PFPeA	399700.3	1.706567	449,031.00	1.706567	89	50 - 150	0.0000	+/-0.50	
M5PFHxA	707498.1	2.555917	800,305.00	2.555917	88	50 - 150	0.0000	+/-0.50	
M3PFHxS	100119.1	3.21025	107,652.00	3.210267	93	50 - 150	0.0000	+/-0.50	
M4PFHpA	726339.7	3.170783	856,297.00	3.1708	85	50 - 150	0.0000	+/-0.50	
M8PFOA	677099.8	3.445833	837,098.00	3.44585	81	50 - 150	0.0000	+/-0.50	
M8PFOS	71108.62	3.6282	80,920.00	3.628217	88	50 - 150	0.0000	+/-0.50	
M9PFNA	490464.2	3.62925	541,836.00	3.62925	91	50 - 150	0.0000	+/-0.50	
MPFDoA	314556.2	4.0327	405,476.00	4.032717	78	50 - 150	0.0000	+/-0.50	
D5-NEtFOSAA	87248.04	3.91355	115,737.00	3.913567	75	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	121096.9	3.84175	132,342.00	3.841767	92	50 - 150	0.0000	+/-0.50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

## INTERNAL STANDARD AREA AND RT SUMMARY

## SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Matrix Spike (B338504-MS1 )</b>			Lab File ID: B338504-MS1.d			Analyzed: 05/12/23 04:26			
M8FOSA	197673.9	4.052533	232,606.00	4.05255	85	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	148250.6	2.472183	78,799.00	2.472183	188	50 - 150	0.0000	+/-0.50	*
M2PFTA	537013.3	4.264917	639,112.00	4.26495	84	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	80778.51	3.7789	65,957.00	3.77095	122	50 - 150	0.0080	+/-0.50	
MPFBA	199364.7	1.066783	525,734.00	1.075083	38	50 - 150	-0.0083	+/-0.50	*
M3HFPO-DA	112595.1	2.814767	135,411.00	2.814767	83	50 - 150	0.0000	+/-0.50	
M6PFDA	456177.7	3.779417	488,184.00	3.771467	93	50 - 150	0.0080	+/-0.50	
M3PFBS	108139.8	1.878383	144,937.00	1.886683	75	50 - 150	-0.0083	+/-0.50	
M7PFUnA	443922.6	3.906067	445,936.00	3.9061	100	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	91814.01	3.4373	40,257.00	3.429333	228	50 - 150	0.0080	+/-0.50	*
M5PFPeA	311968.6	1.698283	449,031.00	1.706567	69	50 - 150	-0.0083	+/-0.50	
M5PFHxA	610257.9	2.555917	800,305.00	2.555917	76	50 - 150	0.0000	+/-0.50	
M3PFHxS	97112.02	3.21025	107,652.00	3.210267	90	50 - 150	0.0000	+/-0.50	
M4PFHpA	696936.7	3.170783	856,297.00	3.1708	81	50 - 150	0.0000	+/-0.50	
M8PFOA	655742.2	3.445833	837,098.00	3.44585	78	50 - 150	0.0000	+/-0.50	
M8PFOS	71200.96	3.628217	80,920.00	3.628217	88	50 - 150	0.0000	+/-0.50	
M9PFNA	489604.1	3.62925	541,836.00	3.62925	90	50 - 150	0.0000	+/-0.50	
MPFDoA	361744	4.0407	405,476.00	4.032717	89	50 - 150	0.0080	+/-0.50	
D5-NEtFOSAA	108831.7	3.91355	115,737.00	3.913567	94	50 - 150	0.0000	+/-0.50	
D3-NMeFOSAA	150144.7	3.84175	132,342.00	3.841767	113	50 - 150	0.0000	+/-0.50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

## INTERNAL STANDARD AREA AND RT SUMMARY

## SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Matrix Spike (B338504-MS2 )</b>			Lab File ID: B338504-MS2.d			Analyzed: 05/12/23 04:33			
M8FOSA	155011.3	4.052516	232,606.00	4.05255	67	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	61845.14	2.4886	78,799.00	2.472183	78	50 - 150	0.0164	+/-0.50	
M2PF <sub>TA</sub>	467496.4	4.27305	639,112.00	4.26495	73	50 - 150	0.0081	+/-0.50	
M2-8:2FTS	44141.72	3.7789	65,957.00	3.77095	67	50 - 150	0.0080	+/-0.50	
MPFBA	381546.6	1.0834	525,734.00	1.075083	73	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	135287.8	2.831117	135,411.00	2.814767	100	50 - 150	0.0164	+/-0.50	
M6PFDA	419190.1	3.779417	488,184.00	3.771467	86	50 - 150	0.0080	+/-0.50	
M3PFBS	110454.8	1.894967	144,937.00	1.886683	76	50 - 150	0.0083	+/-0.50	
M7PFUnA	365830.4	3.914067	445,936.00	3.9061	82	50 - 150	0.0080	+/-0.50	
M2-6:2FTS	49718.26	3.4373	40,257.00	3.429333	124	50 - 150	0.0080	+/-0.50	
M5PFPeA	341764.1	1.714833	449,031.00	1.706567	76	50 - 150	0.0083	+/-0.50	
M5PFHxA	621206.4	2.572333	800,305.00	2.555917	78	50 - 150	0.0164	+/-0.50	
M3PFHxS	86418.36	3.21025	107,652.00	3.210267	80	50 - 150	0.0000	+/-0.50	
M4PFHpA	654612.4	3.178867	856,297.00	3.1708	76	50 - 150	0.0081	+/-0.50	
M8PFOA	626016.1	3.445833	837,098.00	3.44585	75	50 - 150	0.0000	+/-0.50	
M8PFOS	62723.84	3.636183	80,920.00	3.628217	78	50 - 150	0.0080	+/-0.50	
M9PFNA	448796.7	3.629233	541,836.00	3.62925	83	50 - 150	0.0000	+/-0.50	
MPFDoA	313533.6	4.040683	405,476.00	4.032717	77	50 - 150	0.0080	+/-0.50	
D5-NEtFOSAA	86006.12	3.921533	115,737.00	3.913567	74	50 - 150	0.0080	+/-0.50	
D3-NMeFOSAA	120453.1	3.8497	132,342.00	3.841767	91	50 - 150	0.0079	+/-0.50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

## INTERNAL STANDARD AREA AND RT SUMMARY

## SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Matrix Spike Dup (B338504-MSD1 )</b>			Lab File ID: B338504-MSD1.d			Analyzed: 05/12/23 04:41			
M8FOSA	169908.7	4.052533	232,606.00	4.05255	73	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	132486.2	2.472183	78,799.00	2.472183	168	50 - 150	0.0000	+/-0.50	*
M2PFTA	473247.6	4.273067	639,112.00	4.26495	74	50 - 150	0.0081	+/-0.50	
M2-8:2FTS	77244.12	3.7789	65,957.00	3.77095	117	50 - 150	0.0080	+/-0.50	
MPFBA	179257.5	1.066783	525,734.00	1.075083	34	50 - 150	-0.0083	+/-0.50	*
M3HFPO-DA	95225.45	2.822933	135,411.00	2.814767	70	50 - 150	0.0082	+/-0.50	
M6PFDA	383167.6	3.779417	488,184.00	3.771467	78	50 - 150	0.0080	+/-0.50	
M3PFBS	92659.45	1.8784	144,937.00	1.886683	64	50 - 150	-0.0083	+/-0.50	
M7PFUnA	362844.1	3.914067	445,936.00	3.9061	81	50 - 150	0.0080	+/-0.50	
M2-6:2FTS	89222.48	3.4373	40,257.00	3.429333	222	50 - 150	0.0080	+/-0.50	*
M5PFPeA	272891.8	1.698283	449,031.00	1.706567	61	50 - 150	-0.0083	+/-0.50	
M5PFHxA	525706.9	2.564133	800,305.00	2.555917	66	50 - 150	0.0082	+/-0.50	
M3PFHxS	79123.09	3.21025	107,652.00	3.210267	73	50 - 150	0.0000	+/-0.50	
M4PFHpA	584382	3.178867	856,297.00	3.1708	68	50 - 150	0.0081	+/-0.50	
M8PFOA	532822.9	3.445833	837,098.00	3.44585	64	50 - 150	0.0000	+/-0.50	
M8PFOS	60094.61	3.636183	80,920.00	3.628217	74	50 - 150	0.0080	+/-0.50	
M9PFNA	423940.9	3.629233	541,836.00	3.62925	78	50 - 150	0.0000	+/-0.50	
MPFDoA	297606.7	4.0407	405,476.00	4.032717	73	50 - 150	0.0080	+/-0.50	
D5-NEtFOSAA	95503.02	3.921533	115,737.00	3.913567	83	50 - 150	0.0080	+/-0.50	
D3-NMeFOSAA	116979.4	3.849717	132,342.00	3.841767	88	50 - 150	0.0080	+/-0.50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**INTERNAL STANDARD AREA AND RT SUMMARY**
**SOP-454 PFAS**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Matrix Spike Dup (B338504-MSD2 )</b>									
			Lab File ID: B338504-MSD2.d			Analyzed: 05/12/23 04:48			
M8FOSA	113793.1	4.052533	232,606.00	4.05255	49	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	51323.28	2.4886	78,799.00	2.472183	65	50 - 150	0.0164	+/-0.50	
M2PF <sub>TA</sub>	392335.8	4.273067	639,112.00	4.26495	61	50 - 150	0.0081	+/-0.50	
M2-8:2FTS	43793.12	3.7789	65,957.00	3.77095	66	50 - 150	0.0080	+/-0.50	
MPFBA	348868.5	1.0834	525,734.00	1.075083	66	50 - 150	0.0083	+/-0.50	
M3HFPO-DA	114701	2.831117	135,411.00	2.814767	85	50 - 150	0.0164	+/-0.50	
M6PFDA	350733.2	3.779417	488,184.00	3.771467	72	50 - 150	0.0080	+/-0.50	
M3PFBS	100801.1	1.90325	144,937.00	1.886683	70	50 - 150	0.0166	+/-0.50	
M7PFUnA	293604.8	3.914067	445,936.00	3.9061	66	50 - 150	0.0080	+/-0.50	
M2-6:2FTS	43229.15	3.4373	40,257.00	3.429333	107	50 - 150	0.0080	+/-0.50	
M5PFPeA	308060.8	1.7231	449,031.00	1.706567	69	50 - 150	0.0165	+/-0.50	
M5PFHxA	547664.9	2.58055	800,305.00	2.555917	68	50 - 150	0.0246	+/-0.50	
M3PFHxS	77046.88	3.218333	107,652.00	3.210267	72	50 - 150	0.0081	+/-0.50	
M4PFHpA	585727.6	3.178867	856,297.00	3.1708	68	50 - 150	0.0081	+/-0.50	
M8PFOA	503794	3.453817	837,098.00	3.44585	60	50 - 150	0.0080	+/-0.50	
M8PFOS	61911.51	3.636183	80,920.00	3.628217	77	50 - 150	0.0080	+/-0.50	
M9PFNA	386894.1	3.637217	541,836.00	3.62925	71	50 - 150	0.0080	+/-0.50	
MPFDoA	284163	4.0407	405,476.00	4.032717	70	50 - 150	0.0080	+/-0.50	
D5-NEtFOSAA	76209.77	3.921533	115,737.00	3.913567	66	50 - 150	0.0080	+/-0.50	
D3-NMeFOSAA	96914.25	3.849717	132,342.00	3.841767	73	50 - 150	0.0080	+/-0.50	

**CERTIFICATIONS**
**Certified Analyses included in this Report**

Analyte	Certifications
<i>SOP-454 PFAS in Water</i>	
Perfluorobutanoic acid (PFBA)	NH-P
Perfluorobutanesulfonic acid (PFBS)	NH-P
Perfluoropentanoic acid (PFPeA)	NH-P
Perfluorohexanoic acid (PFHxA)	NH-P
11Cl-PF3OUdS (F53B Major)	NH-P
9Cl-PF3ONS (F53B Minor)	NH-P
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NH-P
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NH-P
8:2 Fluorotelomersulfonic acid (8:2FTS A)	NH-P
Perfluorodecanoic acid (PFDA)	NH-P
Perfluorododecanoic acid (PFDoA)	NH-P
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	NH-P
Perfluoroheptanesulfonic acid (PFHpS)	NH-P
N-EtFOSAA (NEtFOSAA)	NH-P
N-MeFOSAA (NMeFOSAA)	NH-P
Perfluorotetradecanoic acid (PFTA)	NH-P
Perfluorotridecanoic acid (PFTrDA)	NH-P
4:2 Fluorotelomersulfonic acid (4:2FTS A)	NH-P
Perfluorodecanesulfonic acid (PFDS)	NH-P
Perfluorooctanesulfonamide (FOSA)	NH-P
Perfluorononanesulfonic acid (PFNS)	NH-P
Perfluoro-1-hexanesulfonamide (FHxSA)	NH-P
Perfluoro-1-butanesulfonamide (FBSA)	NH-P
Perfluorohexanesulfonic acid (PFHxS)	NH-P
Perfluoro-4-oxapentanoic acid (PFMPA)	NH-P
Perfluoro-5-oxahexanoic acid (PFMBA)	NH-P
6:2 Fluorotelomersulfonic acid (6:2FTS A)	NH-P
Perfluoropetanesulfonic acid (PFPeS)	NH-P
Perfluoroundecanoic acid (PFUnA)	NH-P
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NH-P
Perfluoroheptanoic acid (PFHpA)	NH-P
Perfluorooctanoic acid (PFOA)	NH-P
Perfluorooctanesulfonic acid (PFOS)	NH-P
Perfluorononanoic acid (PFNA)	NH-P

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2023

Phone: 612-607-6400  
Fax: 612-607-6344

23D3130

Contact: <https://www.pacelabs.com/contact-us/contact-environmental-sciences/>

Company Name: NYSDEC

Address: 625 Broadway, 12th Floor, Albany, NY 12233

Phone: 518-402-2754

Project Name: Rock C&D Landfill

Project Location: Milton, NY

Project Number: DEC #546061

Project Manager: Anthony Bottasina

Pace Analytical Quote Name/Number: Callout ID: 147267

Invoice Recipient: NYSDEC

Sampled By: AJB/MS/PP/BOB/JA/KG/SJ

Doc # 380 Rev 1\_03242017

CHAIN OF CUSTODY RECORD (New York)

Page 1 of 8

1800 Elm Street SE  
Minneapolis, MN 55414

**Requested Turnaround Time**  
7-Day  10-Day

**Due :** 24  
28

**Rush-Approval Required**  
1-Day  3-Day   
2-Day  4-Day

**Data Delivery**  
Format: PDF  EXCEL

Other:

CLP Like Data Pkg Required:

Email To: [anthony.bottasina@dec.ny.gov](mailto:anthony.bottasina@dec.ny.gov)

Fax To #: PFS by 537M

Client Sample ID / Description	Date	Time	Composite	Grab	Matrix Code	Conc Code
1 MW-03-20230425	4/25/2023	11:55 AM		X	GW	2
2 MW-04-20230425	4/25/2023	11:15 AM		X	GW	2
3 UNK-02-20230425	4/25/2023	1316		X	GW	2
4 GW-DUP-20230425	4/25/2023	...		X	GW	2
5 SW-01A-20230425	4/25/2023	0950		X	SW	2
6 SW-02A-20230425	4/25/2023	1230		X	SW	2
7 SW-03A-20230425	4/25/2023	1040		X	SW	2
8 SW-04A-20230425	4/25/2023	1050		X	SW	2
9 SW-05-20230425	4/25/2023	1110		X	SW	2
10 SW-06-20230425	4/25/2023	1210		X	SW	2

**1 Matrix Codes:**  
GW = Ground Water  
WW = Waste Water  
DW = Drinking Water  
A = Air  
S = Soil  
SL = Sludge  
SOL = Solid  
O = Other (please define)  
SW = surface water

**2 Preservation Codes:**  
I = Iced  
H = HCL  
M = Methanol  
N = Nitric Acid  
S = Sulfuric Acid  
B = Sodium Bisulfate  
X = Sodium Hydroxide  
T = Sodium Thiosulfate  
O = Other (please define)

**3 Container Codes:**  
A = Amber Glass  
G = Glass  
P = Plastic  
ST = Sterile  
V = Vial  
S = Summa Canister  
T = Tedlar Bag  
O = Other (please define)

**ANALYSIS REQUESTED**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Deliverables**  
Enhanced Data Package   
NYSDEC EQUIS EDD   
EQUIS (Standard) EDD   
NY Regulatory EDD   
NY Regs Hits-Only EDD

**Program & Regulatory Information**  
AWQ STDS   
NY TOGS   
NYC Sewer Discharge   
Part 360 GW (Landfill)   
NY Restricted Use   
NY Unrestricted Use   
NY Part 375

**Project Entity**  
Government   
Federal   
City   
Municipality   
21 J   
Brownfield   
MWRA   
School   
MBTA   
WRTA   
Other   
Chromatogram   
AIHA-LAP, LLC

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet

**Comments:**  
NYS EDD & CAT B deliverables  
Relinquished by: (signature) /Time: 4-26-23 0931  
Received by: (signature) /Time: 4-26-23 931  
Relinquished by: (signature) /Time: 4-26-23 1430  
Received by: (signature) /Time: 4-26-23 1530  
Relinquished by: (signature) /Time: 4-26-23 1530  
Received by: (signature) /Time: 4-26-23 1530

Page 61 of 63  
3.0, 4.5.3.2.2.5, 2.9, 3.4, 3.8, 4.3, 3.6 4/26/23 1745



Phone: 612-607-6400  
 Fax: 612-607-6344

2503130

Contact: <https://www.pacelabs.com/contact-us/contact-environmental-sciences/>

Company Name: NYSDEC

Address: 625 Broadway, 12th Floor, Albany, NY 12233

Phone: 518-402-2754

Project Name: Rock C&D Landfill

Project Location: Milton, NY

Project Number: DEC #546061

Project Manager: Anthony Bollasina

Pace Analytical Quote Name/Number: Callout ID: 147267

Invoice Recipient: NYSDEC

Sampled By: AJB/MS/PP/BOB/JA/KG/SJ

Requested Turnaround Time:  7-Day  10-Day  16

Due Date:  1-Day  3-Day  4-Day

Rush-Approval Required:  3-Day  4-Day

Data Delivery:  PDF  EXCEL

Other:

CLP Like Data Pkg Required:

Email To: [anthony.bollasina@dec.ny.gov](mailto:anthony.bollasina@dec.ny.gov)

Fax To #:

1800 Elm Street SE  
 Minneapolis, MN 55414

Doc # 380 Rev 1\_03242017

Page 2 of 8

# of Containers

2 Preservation Code

3 Container Code

**Dissolved Metals Samples**

Field Filtered

Lab to Filter

**Orthophosphate Samples**

Field Filtered

Lab to Filter

**1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)  
 SW = surface water

**2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**ANALYSIS REQUESTED**

Pace Analytical Work Order#	Client Sample ID / Description	DATE	TIME	Composite	Grab	Matrix Code	Conc Code
11	SW-07-20230425	4/25/2023	1120		X	SW	2
12	SW-08-20230425	4/25/2023	1030		X	SW	2
13	SW-09-20230425	4/25/2023	1140		X	SW	2
14	SW-10-20230425	4/25/2023	1020		X	SW	2
15	SW-11-20230425	4/25/2023	1010		X	SW	2
16	SW-13-20230425	4/25/2023	2:00 PM		X	SW	2
17	DUPLICATE-04-23-25	4/25/2023	...		X	SW	2
18	EB-Bowl-20230425	4/25/2023	4:05 PM		X	SW	1
19	EB-Tubing-20230425	4/25/2023	4:00 PM		X	SW	1

PFAS by 537M

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

NYS EDD & CAT deliverables

Relinquished by (signature) *[Signature]* Date/Time: 4-26-23 0950

Received by (signature) *[Signature]* Date/Time: 4-26-23 931

Relinquished by (signature) *[Signature]* Date/Time: 4-26-23 1480

Received by (signature) *[Signature]* Date/Time: 4-26-23 1432

Relinquished by (signature) *[Signature]* Date/Time: 4-26-23 1530

Received by (signature) *[Signature]* Date/Time: 4/26/23 1530

Relinquished by (signature) *[Signature]* Date/Time: 4/26/23 1745

Received by (signature) *[Signature]* Date/Time: 4/26/23 1745

Relinquished by (signature) *[Signature]* Date/Time: 4/26/23 1745

Received by (signature) *[Signature]* Date/Time: 4/26/23 1745

Relinquished by (signature) *[Signature]* Date/Time: 4/26/23 1745

Received by (signature) *[Signature]* Date/Time: 4/26/23 1745

**Program & Regulatory Information**

AWQ STDS  NY TOGS

NYC Sewer Discharge  NY CP-51

Part 360 GW (Landfill)

NY Restricted Use

NY Unrestricted Use

NY Part 375

Other:

**Deliverables**

Enhanced Data Package

NYSDEC EQUIS EDD

EQUIS (Standard) EDD

NY Regulatory EDD

NY Regs Hits-Only EDD

**Project Entity**

Government  Municipality  WRA

Federal  21 J  School

City  Brownfield  MBTA

Other  Chromatogram

AIHA-LAP, LLC



East Longmeadow, MA. 01028  
 P: 413-525-2332  
 F: 413-525-6405  
 www.pacelabs.com

# Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False



Client NYDEC  
 Project Rock C&D Landfill  
 MCP/RCP Required No  
 Deliverable Package Req. No  
 Location Milton, NY  
 PWSID# (When Applicable) NA  
 Arrival Method:  
 Courier  Fed Ex  Walk In  Other   
 Received By / Date / Time DWW 4/26/23 1745  
 Back-Sheet By / Date / Time KL 4/26/23 2125  
 Temperature Method gun # 5  
 Temp  < 6° C Actual Temperature 7.0, 4.5, 3.2, 2.5, 2.9  
 Rush Samples: Yes /  No Notify 3.4, 3.8, 4.3, 3.6  
 Short Hold:  Yes /  No Notify James M

	True	False
Received on Ice	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Received in Cooler	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Custody Seal: DATE TIME	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Relinquished	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC/Samples Labels Agree	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Samples in Good Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Samples Received within Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there enough Volume	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proper Media/Container Used	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Splitting Samples Required	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MS/MSD	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Trip Blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lab to Filters	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC Legible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC Included: (Check all included)		
Client <input checked="" type="checkbox"/>	Analysis <input checked="" type="checkbox"/>	Sampler Name <input checked="" type="checkbox"/>
Project <input checked="" type="checkbox"/>	IDs <input checked="" type="checkbox"/>	Collection Date/Time <input checked="" type="checkbox"/>
All Samples Proper pH:	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/>

**Notes regarding Samples/COC outside of SOP:**

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Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	Na2S2O3	Other Preservative	
1L Amber Plastic									
500 mL Amber Plastic									
250 mL Amber <u>Plastic</u>	<u>42</u>								
Other Amber Clear Plastic									
16oz Amber Clear									
8oz Amber Clear									
4oz Amber Clear									
2oz Amber Clear									
Col/Bacteria									
Flashpoint									
Plastic Bag									
SOC Kit									
Perchlorate									
Encore									
Frozen									
	Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials									

May 10, 2023

Anthony Bollasina  
NYS Division of Environmental Remediation  
625 Broadway 12th Floor  
Albany, NY 12233-7012

Project Location: Milton, NY  
Client Job Number:  
Project Number: 546061  
Laboratory Work Order Number: 23D3156

Enclosed are results of analyses for samples as received by the laboratory on April 26, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

 NYS Division of Environmental Remediation  
 625 Broadway 12th Floor  
 Albany, NY 12233-7012  
 ATTN: Anthony Bollasina

REPORT DATE: 5/10/2023

PURCHASE ORDER NUMBER: 147267

PROJECT NUMBER: 546061

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 23D3156

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Milton, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SED-01A-20230425	23D3156-01	Soil		Lloyd Kahn Method SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260D SW-846 8270E SW-846 9045C	
SED-02A-20230425	23D3156-02	Soil		Lloyd Kahn Method SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260D SW-846 8270E SW-846 9045C	
SED-03A-20230425	23D3156-03	Soil		Lloyd Kahn Method SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260D SW-846 8270E SW-846 9045C	
SED-04A-20230425	23D3156-04	Soil		Lloyd Kahn Method SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260D SW-846 8270E SW-846 9045C	
SED-05-20230425	23D3156-05	Soil		Lloyd Kahn Method SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260D SW-846 8270E SW-846 9045C	

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 NYS Division of Environmental Remediation  
 625 Broadway 12th Floor  
 Albany, NY 12233-7012  
 ATTN: Anthony Bollasina

REPORT DATE: 5/10/2023

PURCHASE ORDER NUMBER: 147267

PROJECT NUMBER: 546061

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 23D3156

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Milton, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SED-06-20230425	23D3156-06	Soil		Lloyd Kahn Method SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260D SW-846 8270E SW-846 9045C	
SED-07-20230425	23D3156-07	Soil		Lloyd Kahn Method SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260D SW-846 8270E SW-846 9045C	
SED-08-20230425	23D3156-08	Soil		Lloyd Kahn Method SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260D SW-846 8270E SW-846 9045C	
SED-09-20230425	23D3156-09	Soil		Lloyd Kahn Method SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260D SW-846 8270E SW-846 9045C	
SED-10-20230425	23D3156-10	Soil		Lloyd Kahn Method SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260D SW-846 8270E SW-846 9045C	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

NYS Division of Environmental Remediation  
 625 Broadway 12th Floor  
 Albany, NY 12233-7012  
 ATTN: Anthony Bollasina

REPORT DATE: 5/10/2023

PURCHASE ORDER NUMBER: 147267

PROJECT NUMBER: 546061

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 23D3156

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Milton, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SED-11-20230425	23D3156-11	Soil		Lloyd Kahn Method SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260D SW-846 8270E SW-846 9045C	
SED-13-20230425	23D3156-12	Soil		Lloyd Kahn Method SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260D SW-846 8270E SW-846 9045C	
SED-DUP-20230425	23D3156-13	Soil		Lloyd Kahn Method SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260D SW-846 8270E SW-846 9045C	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.



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**Lloyd Kahn Method****Qualifications:****MS-07**

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

**Analyte & Samples(s) Qualified:****Total Organic Carbon**

23D3156-05[SED-05-20230425], B338860-MS1

**MS-11**

Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

**Analyte & Samples(s) Qualified:****Total Organic Carbon**

23D3156-06[SED-06-20230425], B339022-MS1

**Z-01**

Results over calibration curve. Result is estimated due to method limitations.

**Analyte & Samples(s) Qualified:****Total Organic Carbon**

23D3156-12[SED-13-20230425]

**SW-846 8260D****Qualifications:****L-02**

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

**Analyte & Samples(s) Qualified:****Chloroethane**

B338640-BS1, B338640-BSD1

**Trichlorofluoromethane (Freon 11)**

B338640-BS1, B338640-BSD1

**L-04**

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

**Analyte & Samples(s) Qualified:****Chloromethane**

23D3156-12[SED-13-20230425], 23D3156-13[SED-DUP-20230425], B338640-BLK1, B338640-BS1, B338640-BSD1

**Methyl Acetate**

23D3156-12[SED-13-20230425], 23D3156-13[SED-DUP-20230425], B338640-BLK1, B338640-BS1, B338640-BSD1

**L-06**

Laboratory fortified blank/laboratory control sample recovery and/or duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.

**Analyte & Samples(s) Qualified:****Bromomethane**

23D3156-09[SED-09-20230425], B338604-BS1, B338604-BSD1, S087006-CCV1

**L-07**

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

**Analyte & Samples(s) Qualified:****Carbon Disulfide**

B338491-BSD1

**Trichlorofluoromethane (Freon 11)**

B338491-BS1

**V-05**

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

**Analyte & Samples(s) Qualified:****Chloromethane**

23D3156-01[SED-01A-20230425], 23D3156-02[SED-02A-20230425], 23D3156-03[SED-03A-20230425], 23D3156-04[SED-04A-20230425], 23D3156-05[SED-05-20230425], 23D3156-06[SED-06-20230425], 23D3156-07[SED-07-20230425], 23D3156-08[SED-08-20230425], 23D3156-10[SED-10-20230425], 23D3156-11[SED-11-20230425], 23D3156-12[SED-13-20230425], 23D3156-13[SED-DUP-20230425], B338491-BLK1, B338491-BS1, B338491-BSD1, B338640-BLK1, B338640-BS1, B338640-BSD1, S086566-CCV1, S086617-CCV1

---

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**V-06**

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

**Analyte & Samples(s) Qualified:****Bromomethane**

23D3156-09[SED-09-20230425], B338604-BS1, B338604-BSD1, S087006-CCV1

---

**V-20**

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

**Analyte & Samples(s) Qualified:****Bromomethane**

B338491-BS1, B338491-BSD1, B338640-BS1, B338640-BSD1, S086566-CCV1, S086617-CCV1

**Chloroethane**

B338640-BS1, B338640-BSD1, S086617-CCV1

**Chloromethane**

B338640-BS1, B338640-BSD1, S086617-CCV1

**Trichlorofluoromethane (Freon 11)**

B338640-BS1, B338640-BSD1, S086617-CCV1

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**V-35**

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

**Analyte & Samples(s) Qualified:****Carbon Disulfide**

B338491-BS1, B338491-BSD1, B338640-BS1, B338640-BSD1, S086566-CCV1, S086617-CCV1

**Dichlorodifluoromethane (Freon 12)**

B338491-BS1, B338491-BSD1, B338640-BS1, B338640-BSD1, S086566-CCV1, S086617-CCV1

**SW-846 8270E**

**Qualifications:**

---

**V-05**

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

**Analyte & Samples(s) Qualified:****4-Nitrophenol**

23D3156-07[SED-07-20230425], 23D3156-08[SED-08-20230425], 23D3156-09[SED-09-20230425], 23D3156-10[SED-10-20230425], 23D3156-11[SED-11-20230425], 23D3156-12[SED-13-20230425], 23D3156-13[SED-DUP-20230425], S086917-CCV1, S087054-CCV1

**SW-846 9045C**

**Qualifications:**

---

**H-03**

Sample received after recommended holding time was exceeded.

**Analyte & Samples(s) Qualified:****pH**

23D3156-01[SED-01A-20230425], 23D3156-02[SED-02A-20230425], 23D3156-03[SED-03A-20230425], 23D3156-04[SED-04A-20230425], 23D3156-05[SED-05-20230425], 23D3156-06[SED-06-20230425], 23D3156-07[SED-07-20230425], 23D3156-08[SED-08-20230425], 23D3156-09[SED-09-20230425], 23D3156-10[SED-10-20230425], 23D3156-11[SED-11-20230425], 23D3156-12[SED-13-20230425], 23D3156-13[SED-DUP-20230425], B338878-DUP2

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Technical Representative

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3156-01

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.036	0.20	0.018	mg/Kg dry	1	J	SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Benzene	ND	0.0039	0.0011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Bromochloromethane	ND	0.0039	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Bromodichloromethane	ND	0.0039	0.0010	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Bromoform	ND	0.0039	0.0012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Bromomethane	ND	0.020	0.0034	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
2-Butanone (MEK)	ND	0.079	0.012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Carbon Disulfide	ND	0.020	0.016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Carbon Tetrachloride	ND	0.0039	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Chlorobenzene	ND	0.0039	0.0011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Chlorodibromomethane	ND	0.0020	0.0012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Chloroethane	ND	0.039	0.0022	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Chloroform	ND	0.0079	0.0012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Chloromethane	ND	0.020	0.0019	mg/Kg dry	1	V-05	SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Cyclohexane	ND	0.020	0.0080	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0039	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
1,2-Dibromoethane (EDB)	ND	0.0020	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
1,2-Dichlorobenzene	ND	0.0039	0.0010	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
1,3-Dichlorobenzene	ND	0.0039	0.0011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
1,4-Dichlorobenzene	ND	0.0039	0.0012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.039	0.0020	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
1,1-Dichloroethane	ND	0.0039	0.0013	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
1,2-Dichloroethane	ND	0.0039	0.0013	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
1,1-Dichloroethylene	ND	0.0079	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
cis-1,2-Dichloroethylene	ND	0.0039	0.0013	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
trans-1,2-Dichloroethylene	ND	0.0039	0.0014	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
1,2-Dichloropropane	ND	0.0039	0.0012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
cis-1,3-Dichloropropene	ND	0.0020	0.0011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
trans-1,3-Dichloropropene	ND	0.0020	0.0012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
1,4-Dioxane	ND	0.20	0.090	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Ethylbenzene	ND	0.0039	0.0012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
2-Hexanone (MBK)	ND	0.039	0.0099	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Isopropylbenzene (Cumene)	ND	0.0039	0.0012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Methyl Acetate	ND	0.0039	0.0028	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0079	0.0013	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Methyl Cyclohexane	ND	0.0039	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Methylene Chloride	ND	0.039	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.039	0.0087	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Styrene	ND	0.0039	0.00097	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
1,1,2,2-Tetrachloroethane	ND	0.0020	0.0011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Tetrachloroethylene	ND	0.0039	0.0017	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Toluene	ND	0.0039	0.0013	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
1,2,3-Trichlorobenzene	ND	0.0039	0.0011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
1,2,4-Trichlorobenzene	ND	0.0039	0.0012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3156-01

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0039	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
1,1,2-Trichloroethane	ND	0.0039	0.0011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Trichloroethylene	ND	0.0039	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Trichlorofluoromethane (Freon 11)	ND	0.020	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.020	0.0017	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Vinyl Chloride	ND	0.020	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Xylenes (total)	ND	0.0039	0.0039	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:04	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		115	70-130						4/27/23 12:04	
Toluene-d8		95.6	70-130						4/27/23 12:04	
4-Bromofluorobenzene		97.0	70-130						4/27/23 12:04	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3156-01

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	1.1	0.078	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Benzaldehyde	ND	0.57	0.054	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Biphenyl	ND	1.1	0.089	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Caprolactam	ND	0.57	0.081	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Acenaphthene	ND	0.28	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Acenaphthylene	ND	0.28	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Acetophenone	ND	0.57	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Anthracene	ND	0.28	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Benzo(a)anthracene	ND	0.28	0.10	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Benzo(a)pyrene	ND	0.28	0.094	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Benzo(b)fluoranthene	ND	0.28	0.096	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Benzo(g,h,i)perylene	ND	0.28	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Benzo(k)fluoranthene	ND	0.28	0.10	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Bis(2-chloroethoxy)methane	ND	0.57	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Bis(2-chloroethyl)ether	ND	0.57	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Bis(2-chloroisopropyl)ether	ND	0.57	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.57	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
4-Bromophenylphenylether	ND	0.57	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Butylbenzylphthalate	ND	0.57	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Carbazole	ND	0.28	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
4-Chloroaniline	ND	1.1	0.10	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
4-Chloro-3-methylphenol	ND	1.1	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
2-Chloronaphthalene	ND	0.57	0.10	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
2-Chlorophenol	ND	0.57	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
4-Chlorophenylphenylether	ND	0.57	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Chrysene	ND	0.28	0.10	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Dibenz(a,h)anthracene	ND	0.28	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Dibenzofuran	ND	0.57	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Di-n-butylphthalate	ND	0.57	0.10	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
3,3-Dichlorobenzidine	ND	0.28	0.075	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
2,4-Dichlorophenol	ND	0.57	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Diethylphthalate	ND	0.57	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
2,4-Dimethylphenol	ND	0.57	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Dimethylphthalate	ND	0.57	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
4,6-Dinitro-2-methylphenol	ND	0.57	0.46	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
2,4-Dinitrophenol	ND	1.1	0.50	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
2,4-Dinitrotoluene	ND	0.57	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
2,6-Dinitrotoluene	ND	0.57	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Di-n-octylphthalate	ND	0.57	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Fluoranthene	ND	0.28	0.10	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Fluorene	ND	0.28	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Hexachlorobenzene	ND	0.57	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Hexachlorobutadiene	ND	0.57	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Hexachlorocyclopentadiene	ND	0.57	0.37	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3156-01

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.57	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Indeno(1,2,3-cd)pyrene	ND	0.28	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Isophorone	ND	0.57	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
2-Methylnaphthalene	ND	0.28	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
2-Methylphenol	ND	0.57	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
3/4-Methylphenol	ND	0.57	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Naphthalene	ND	0.28	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
2-Nitroaniline	ND	0.57	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
3-Nitroaniline	ND	0.57	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
4-Nitroaniline	ND	0.57	0.096	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Nitrobenzene	ND	0.57	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
2-Nitrophenol	ND	0.57	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
4-Nitrophenol	ND	1.1	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.57	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
N-Nitrosodi-n-propylamine	ND	0.57	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Pentachlorophenol	ND	0.57	0.25	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Phenanthrene	ND	0.28	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Phenol	ND	0.57	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
Pyrene	ND	0.28	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.57	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
2,4,5-Trichlorophenol	ND	0.57	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL
2,4,6-Trichlorophenol	ND	0.57	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:29	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	57.0	30-130	5/3/23 17:29
Phenol-d6	59.5	30-130	5/3/23 17:29
Nitrobenzene-d5	65.0	30-130	5/3/23 17:29
2-Fluorobiphenyl	77.4	30-130	5/3/23 17:29
2,4,6-Tribromophenol	77.7	30-130	5/3/23 17:29
p-Terphenyl-d14	79.6	30-130	5/3/23 17:29

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3156-01

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	0.034	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:16	SFM
Aroclor-1221 [1]	ND	0.13	0.070	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:16	SFM
Aroclor-1232 [1]	ND	0.13	0.043	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:16	SFM
Aroclor-1242 [1]	ND	0.13	0.039	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:16	SFM
Aroclor-1248 [1]	ND	0.13	0.033	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:16	SFM
Aroclor-1254 [1]	ND	0.13	0.040	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:16	SFM
Aroclor-1260 [1]	ND	0.13	0.035	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:16	SFM
Aroclor-1262 [1]	ND	0.13	0.039	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:16	SFM
Aroclor-1268 [1]	ND	0.13	0.043	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:16	SFM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		86.6	30-150						5/4/23 11:16	
Decachlorobiphenyl [2]		92.0	30-150						5/4/23 11:16	
Tetrachloro-m-xylene [1]		95.5	30-150						5/4/23 11:16	
Tetrachloro-m-xylene [2]		93.4	30-150						5/4/23 11:16	



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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3156-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	3500	27	20	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:29	NC
Antimony	ND	2.7	0.57	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:29	NC
Arsenic	ND	5.5	0.92	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:29	NC
Barium	11	2.7	0.42	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:29	NC
Beryllium	0.18	0.27	0.081	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:29	NC
Cadmium	ND	0.55	0.18	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:29	NC
Calcium	8700	27	4.9	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:29	NC
Chromium	7.9	1.1	0.41	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:29	NC
Cobalt	1.6	2.7	0.40	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:29	NC
Copper	5.5	1.1	0.24	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:29	NC
Iron	6700	550	350	mg/Kg dry	20		SW-846 6010D	4/27/23	5/6/23 20:07	NC
Lead	4.3	0.82	0.45	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:29	NC
Magnesium	3600	27	4.3	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 15:53	MJH
Manganese	51	0.55	0.29	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:29	NC
Mercury	ND	0.041	0.018	mg/Kg dry	1		SW-846 7471B	4/28/23	5/9/23 12:47	AAJ
Nickel	4.2	1.1	0.44	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:29	NC
Potassium	300	270	50	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:29	NC
Selenium	ND	5.5	1.2	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 15:53	MJH
Silver	ND	0.55	0.18	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 15:53	MJH
Sodium	190	270	49	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:29	NC
Thallium	ND	2.7	0.96	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:29	NC
Vanadium	9.2	1.1	0.35	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:29	NC
Zinc	18	1.1	0.38	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:29	NC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3156-01

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	59.8			% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC
pH @19.1°C	8.1			pH Units	1	H-03	SW-846 9045C	5/1/23	5/1/23 17:30	JEC
Total Organic Carbon	16000	100	65	mg/Kg	1		Lloyd Kahn Method	4/28/23	4/28/23 9:25	QH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-02A-20230425

Sampled: 4/25/2023 14:30

Sample ID: 23D3156-02

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.30	0.027	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Benzene	ND	0.0060	0.0017	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Bromochloromethane	ND	0.0060	0.0023	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Bromodichloromethane	ND	0.0060	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Bromoform	ND	0.0060	0.0018	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Bromomethane	ND	0.030	0.0052	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
2-Butanone (MEK)	ND	0.12	0.019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Carbon Disulfide	ND	0.030	0.024	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Carbon Tetrachloride	ND	0.0060	0.0023	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Chlorobenzene	ND	0.0060	0.0017	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Chlorodibromomethane	ND	0.0030	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Chloroethane	ND	0.060	0.0033	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Chloroform	ND	0.012	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Chloromethane	ND	0.030	0.0030	mg/Kg dry	1	V-05	SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Cyclohexane	ND	0.030	0.012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0060	0.0024	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
1,2-Dibromoethane (EDB)	ND	0.0030	0.0023	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
1,2-Dichlorobenzene	ND	0.0060	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
1,3-Dichlorobenzene	ND	0.0060	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
1,4-Dichlorobenzene	ND	0.0060	0.0018	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.060	0.0031	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
1,1-Dichloroethane	ND	0.0060	0.0020	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
1,2-Dichloroethane	ND	0.0060	0.0020	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
1,1-Dichloroethylene	ND	0.012	0.0025	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
cis-1,2-Dichloroethylene	ND	0.0060	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
trans-1,2-Dichloroethylene	ND	0.0060	0.0022	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
1,2-Dichloropropane	ND	0.0060	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
cis-1,3-Dichloropropene	ND	0.0030	0.0017	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
trans-1,3-Dichloropropene	ND	0.0030	0.0018	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
1,4-Dioxane	ND	0.30	0.14	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Ethylbenzene	ND	0.0060	0.0018	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
2-Hexanone (MBK)	ND	0.060	0.015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Isopropylbenzene (Cumene)	ND	0.0060	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Methyl Acetate	ND	0.0060	0.0043	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.012	0.0020	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Methyl Cyclohexane	ND	0.0060	0.0023	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Methylene Chloride	ND	0.060	0.0029	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.060	0.013	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Styrene	ND	0.0060	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
1,1,2,2-Tetrachloroethane	ND	0.0030	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Tetrachloroethylene	ND	0.0060	0.0025	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Toluene	ND	0.0060	0.0020	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
1,2,3-Trichlorobenzene	ND	0.0060	0.0017	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
1,2,4-Trichlorobenzene	ND	0.0060	0.0018	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-02A-20230425

Sampled: 4/25/2023 14:30

Sample ID: 23D3156-02

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0060	0.0023	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
1,1,2-Trichloroethane	ND	0.0060	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Trichloroethylene	ND	0.0060	0.0024	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Trichlorofluoromethane (Freon 11)	ND	0.030	0.0022	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.030	0.0026	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Vinyl Chloride	ND	0.030	0.0022	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Xylenes (total)	ND	0.0060	0.0060	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:29	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		114	70-130						4/27/23 12:29	
Toluene-d8		97.8	70-130						4/27/23 12:29	
4-Bromofluorobenzene		98.4	70-130						4/27/23 12:29	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-02A-20230425

Sampled: 4/25/2023 14:30

Sample ID: 23D3156-02

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	1.8	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Benzaldehyde	0.14	0.94	0.089	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Biphenyl	ND	1.8	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Caprolactam	ND	0.94	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Acenaphthene	0.33	0.47	0.18	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Acenaphthylene	ND	0.47	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Acetophenone	ND	0.94	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Anthracene	1.0	0.47	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Benzo(a)anthracene	3.0	0.47	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Benzo(a)pyrene	2.8	0.47	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Benzo(b)fluoranthene	3.2	0.47	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Benzo(g,h,i)perylene	2.1	0.47	0.20	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Benzo(k)fluoranthene	1.3	0.47	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Bis(2-chloroethoxy)methane	ND	0.94	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Bis(2-chloroethyl)ether	ND	0.94	0.20	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Bis(2-chloroisopropyl)ether	ND	0.94	0.39	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Bis(2-Ethylhexyl)phthalate	0.97	0.94	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
4-Bromophenylphenylether	ND	0.94	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Butylbenzylphthalate	0.94	0.94	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Carbazole	0.46	0.47	0.18	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/3/23 17:53	BGL
4-Chloroaniline	ND	1.8	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
4-Chloro-3-methylphenol	ND	1.8	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
2-Chloronaphthalene	ND	0.94	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
2-Chlorophenol	ND	0.94	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
4-Chlorophenylphenylether	ND	0.94	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Chrysene	2.9	0.47	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Dibenz(a,h)anthracene	0.44	0.47	0.18	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Dibenzofuran	ND	0.94	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Di-n-butylphthalate	ND	0.94	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
3,3-Dichlorobenzidine	ND	0.47	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
2,4-Dichlorophenol	ND	0.94	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Diethylphthalate	ND	0.94	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
2,4-Dimethylphenol	ND	0.94	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Dimethylphthalate	ND	0.94	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
4,6-Dinitro-2-methylphenol	ND	0.94	0.76	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
2,4-Dinitrophenol	ND	1.8	0.82	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
2,4-Dinitrotoluene	ND	0.94	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
2,6-Dinitrotoluene	ND	0.94	0.21	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Di-n-octylphthalate	ND	0.94	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Fluoranthene	7.5	0.47	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Fluorene	0.32	0.47	0.18	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Hexachlorobenzene	ND	0.94	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Hexachlorobutadiene	ND	0.94	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Hexachlorocyclopentadiene	ND	0.94	0.61	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-02A-20230425

Sampled: 4/25/2023 14:30

Sample ID: 23D3156-02

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.94	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Indeno(1,2,3-cd)pyrene	2.1	0.47	0.20	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Isophorone	ND	0.94	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
2-Methylnaphthalene	ND	0.47	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
2-Methylphenol	ND	0.94	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
3/4-Methylphenol	ND	0.94	0.20	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Naphthalene	ND	0.47	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
2-Nitroaniline	ND	0.94	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
3-Nitroaniline	ND	0.94	0.22	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
4-Nitroaniline	ND	0.94	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Nitrobenzene	ND	0.94	0.20	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
2-Nitrophenol	ND	0.94	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
4-Nitrophenol	ND	1.8	0.39	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.94	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
N-Nitrosodi-n-propylamine	ND	0.94	0.20	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Pentachlorophenol	ND	0.94	0.42	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Phenanthrene	3.8	0.47	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Phenol	ND	0.94	0.22	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Pyrene	5.8	0.47	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.94	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
2,4,5-Trichlorophenol	ND	0.94	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
2,4,6-Trichlorophenol	ND	0.94	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 17:53	BGL
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
2-Fluorophenol		38.8	30-130						5/3/23 17:53	
Phenol-d6		38.2	30-130						5/3/23 17:53	
Nitrobenzene-d5		43.3	30-130						5/3/23 17:53	
2-Fluorobiphenyl		48.9	30-130						5/3/23 17:53	
2,4,6-Tribromophenol		50.1	30-130						5/3/23 17:53	
p-Terphenyl-d14		53.3	30-130						5/3/23 17:53	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-02A-20230425

Sampled: 4/25/2023 14:30

Sample ID: 23D3156-02

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	0.055	mg/Kg dry	4		SW-846 8082A	4/27/23	4/29/23 12:21	TG
Aroclor-1221 [1]	ND	0.21	0.11	mg/Kg dry	4		SW-846 8082A	4/27/23	4/29/23 12:21	TG
Aroclor-1232 [1]	ND	0.21	0.070	mg/Kg dry	4		SW-846 8082A	4/27/23	4/29/23 12:21	TG
Aroclor-1242 [1]	ND	0.21	0.064	mg/Kg dry	4		SW-846 8082A	4/27/23	4/29/23 12:21	TG
Aroclor-1248 [1]	ND	0.21	0.054	mg/Kg dry	4		SW-846 8082A	4/27/23	4/29/23 12:21	TG
Aroclor-1254 [1]	0.25	0.21	0.065	mg/Kg dry	4		SW-846 8082A	4/27/23	4/29/23 12:21	TG
Aroclor-1260 [1]	0.071	0.21	0.057	mg/Kg dry	4	J	SW-846 8082A	4/27/23	4/29/23 12:21	TG
Aroclor-1262 [1]	ND	0.21	0.064	mg/Kg dry	4		SW-846 8082A	4/27/23	4/29/23 12:21	TG
Aroclor-1268 [1]	ND	0.21	0.071	mg/Kg dry	4		SW-846 8082A	4/27/23	4/29/23 12:21	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		81.3	30-150						4/29/23 12:21	
Decachlorobiphenyl [2]		87.6	30-150						4/29/23 12:21	
Tetrachloro-m-xylene [1]		69.2	30-150						4/29/23 12:21	
Tetrachloro-m-xylene [2]		69.2	30-150						4/29/23 12:21	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-02A-20230425

Sampled: 4/25/2023 14:30

Sample ID: 23D3156-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	1900	43	31	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:34	NC
Antimony	ND	4.3	0.89	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:34	NC
Arsenic	2.0	8.6	1.5	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:34	NC
Barium	63	4.3	0.66	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:34	NC
Beryllium	ND	0.43	0.13	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:34	NC
Cadmium	2.8	0.86	0.29	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:34	NC
Calcium	10000	43	7.8	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:34	NC
Chromium	6.8	1.7	0.64	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:34	NC
Cobalt	1.5	4.3	0.63	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:34	NC
Copper	51	1.7	0.38	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:34	NC
Iron	24000	860	550	mg/Kg dry	20		SW-846 6010D	4/27/23	5/6/23 20:14	NC
Lead	300	1.3	0.71	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:34	NC
Magnesium	840	43	6.7	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:34	NC
Manganese	310	0.86	0.46	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:34	NC
Mercury	0.36	0.069	0.030	mg/Kg dry	1		SW-846 7471B	4/28/23	5/9/23 12:49	AAJ
Nickel	9.9	1.7	0.70	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:34	NC
Potassium	220	430	79	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:34	NC
Selenium	ND	8.6	1.8	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 16:04	MJH
Silver	ND	0.86	0.29	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 16:04	MJH
Sodium	290	430	77	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:34	NC
Thallium	ND	4.3	1.5	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:34	NC
Vanadium	10	1.7	0.54	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:34	NC
Zinc	1000	3.5	1.2	mg/Kg dry	2		SW-846 6010D	4/27/23	5/3/23 15:58	MJH



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-02A-20230425

Sampled: 4/25/2023 14:30

Sample ID: 23D3156-02

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	36.3			% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC
pH @17.2°C	7.2			pH Units	1	H-03	SW-846 9045C	5/1/23	5/1/23 17:30	JEC
Total Organic Carbon	110000	100	65	mg/Kg	1		Lloyd Kahn Method	4/28/23	4/28/23 11:00	QH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-03A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-03

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.15	1.3	0.12	mg/Kg dry	1	J	SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Benzene	ND	0.027	0.0078	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Bromochloromethane	ND	0.027	0.010	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Bromodichloromethane	ND	0.027	0.0070	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Bromoform	ND	0.027	0.0082	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Bromomethane	ND	0.13	0.023	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
2-Butanone (MEK)	ND	0.53	0.084	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Carbon Disulfide	ND	0.13	0.11	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Carbon Tetrachloride	ND	0.027	0.011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Chlorobenzene	ND	0.027	0.0075	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Chlorodibromomethane	ND	0.013	0.0085	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Chloroethane	ND	0.27	0.015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Chloroform	ND	0.053	0.0084	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Chloromethane	ND	0.13	0.013	mg/Kg dry	1	V-05	SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Cyclohexane	ND	0.13	0.054	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.027	0.011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
1,2-Dibromoethane (EDB)	ND	0.013	0.010	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
1,2-Dichlorobenzene	ND	0.027	0.0071	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
1,3-Dichlorobenzene	ND	0.027	0.0074	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
1,4-Dichlorobenzene	ND	0.027	0.0081	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.27	0.014	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
1,1-Dichloroethane	ND	0.027	0.0092	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
1,2-Dichloroethane	ND	0.027	0.0089	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
1,1-Dichloroethylene	ND	0.053	0.011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
cis-1,2-Dichloroethylene	ND	0.027	0.0085	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
trans-1,2-Dichloroethylene	ND	0.027	0.0097	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
1,2-Dichloropropane	ND	0.027	0.0083	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
cis-1,3-Dichloropropene	ND	0.013	0.0075	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
trans-1,3-Dichloropropene	ND	0.013	0.0082	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
1,4-Dioxane	ND	1.3	0.61	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Ethylbenzene	ND	0.027	0.0080	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
2-Hexanone (MBK)	ND	0.27	0.067	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Isopropylbenzene (Cumene)	ND	0.027	0.0083	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Methyl Acetate	ND	0.027	0.019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.053	0.0090	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Methyl Cyclohexane	ND	0.027	0.010	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Methylene Chloride	ND	0.27	0.013	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.27	0.059	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Styrene	ND	0.027	0.0066	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
1,1,2,2-Tetrachloroethane	ND	0.013	0.0074	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Tetrachloroethylene	ND	0.027	0.011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Toluene	ND	0.027	0.0091	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
1,2,3-Trichlorobenzene	ND	0.027	0.0076	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
1,2,4-Trichlorobenzene	ND	0.027	0.0081	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-03A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-03

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.027	0.010	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
1,1,2-Trichloroethane	ND	0.027	0.0071	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Trichloroethylene	ND	0.027	0.011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Trichlorofluoromethane (Freon 11)	ND	0.13	0.010	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.13	0.011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Vinyl Chloride	ND	0.13	0.0099	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Xylenes (total)	ND	0.027	0.027	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 12:54	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	116		70-130						4/27/23 12:54	
Toluene-d8	93.4		70-130						4/27/23 12:54	
4-Bromofluorobenzene	99.4		70-130						4/27/23 12:54	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-03A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-03

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	3.2	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Benzaldehyde	0.40	1.6	0.16	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Biphenyl	ND	3.2	0.26	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Caprolactam	ND	1.6	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Acenaphthene	ND	0.82	0.31	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Acenaphthylene	ND	0.82	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Acetophenone	ND	1.6	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Anthracene	ND	0.82	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Benzo(a)anthracene	ND	0.82	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Benzo(a)pyrene	ND	0.82	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Benzo(b)fluoranthene	ND	0.82	0.28	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Benzo(g,h,i)perylene	ND	0.82	0.34	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Benzo(k)fluoranthene	ND	0.82	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Bis(2-chloroethoxy)methane	ND	1.6	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Bis(2-chloroethyl)ether	ND	1.6	0.34	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Bis(2-chloroisopropyl)ether	ND	1.6	0.69	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.6	0.34	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
4-Bromophenylphenylether	ND	1.6	0.34	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Butylbenzylphthalate	ND	1.6	0.31	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Carbazole	ND	0.82	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
4-Chloroaniline	ND	3.2	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
4-Chloro-3-methylphenol	ND	3.2	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
2-Chloronaphthalene	ND	1.6	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
2-Chlorophenol	ND	1.6	0.33	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
4-Chlorophenylphenylether	ND	1.6	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Chrysene	ND	0.82	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Dibenz(a,h)anthracene	ND	0.82	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Dibenzofuran	ND	1.6	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Di-n-butylphthalate	ND	1.6	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
3,3-Dichlorobenzidine	ND	0.82	0.22	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
2,4-Dichlorophenol	ND	1.6	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Diethylphthalate	ND	1.6	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
2,4-Dimethylphenol	ND	1.6	0.43	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Dimethylphthalate	ND	1.6	0.34	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
4,6-Dinitro-2-methylphenol	ND	1.6	1.3	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
2,4-Dinitrophenol	ND	3.2	1.4	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
2,4-Dinitrotoluene	ND	1.6	0.33	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
2,6-Dinitrotoluene	ND	1.6	0.37	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Di-n-octylphthalate	ND	1.6	0.33	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Fluoranthene	ND	0.82	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Fluorene	ND	0.82	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Hexachlorobenzene	ND	1.6	0.34	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Hexachlorobutadiene	ND	1.6	0.33	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Hexachlorocyclopentadiene	ND	1.6	1.1	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-03A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-03

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	1.6	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Indeno(1,2,3-cd)pyrene	ND	0.82	0.36	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Isophorone	ND	1.6	0.34	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
2-Methylnaphthalene	ND	0.82	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
2-Methylphenol	ND	1.6	0.33	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
3/4-Methylphenol	ND	1.6	0.36	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Naphthalene	ND	0.82	0.33	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
2-Nitroaniline	ND	1.6	0.33	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
3-Nitroaniline	ND	1.6	0.39	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
4-Nitroaniline	ND	1.6	0.28	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Nitrobenzene	ND	1.6	0.35	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
2-Nitrophenol	ND	1.6	0.34	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
4-Nitrophenol	ND	3.2	0.68	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	1.6	0.33	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
N-Nitrosodi-n-propylamine	ND	1.6	0.36	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Pentachlorophenol	ND	1.6	0.74	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Phenanthrene	ND	0.82	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Phenol	ND	1.6	0.38	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
Pyrene	ND	0.82	0.33	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.6	0.34	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
2,4,5-Trichlorophenol	ND	1.6	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL
2,4,6-Trichlorophenol	ND	1.6	0.31	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:17	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	57.4	30-130	
Phenol-d6	60.5	30-130	
Nitrobenzene-d5	66.9	30-130	
2-Fluorobiphenyl	78.2	30-130	
2,4,6-Tribromophenol	79.4	30-130	
p-Terphenyl-d14	90.1	30-130	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-03A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-03

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.38	0.099	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:28	SFM
Aroclor-1221 [1]	ND	0.38	0.21	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:28	SFM
Aroclor-1232 [1]	ND	0.38	0.12	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:28	SFM
Aroclor-1242 [1]	ND	0.38	0.12	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:28	SFM
Aroclor-1248 [1]	ND	0.38	0.097	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:28	SFM
Aroclor-1254 [1]	ND	0.38	0.12	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:28	SFM
Aroclor-1260 [1]	ND	0.38	0.10	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:28	SFM
Aroclor-1262 [1]	ND	0.38	0.11	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:28	SFM
Aroclor-1268 [1]	ND	0.38	0.13	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:28	SFM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		71.6	30-150						5/4/23 11:28	
Decachlorobiphenyl [2]		74.7	30-150						5/4/23 11:28	
Tetrachloro-m-xylene [1]		79.7	30-150						5/4/23 11:28	
Tetrachloro-m-xylene [2]		78.1	30-150						5/4/23 11:28	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-03A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	7700	79	57	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:39	NC
Antimony	ND	7.9	1.6	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:39	NC
Arsenic	7.5	16	2.6	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:39	NC
Barium	78	7.9	1.2	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:39	NC
Beryllium	0.41	0.79	0.23	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:39	NC
Cadmium	0.84	1.6	0.52	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:39	NC
Calcium	26000	79	14	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:39	NC
Chromium	21	3.1	1.2	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:39	NC
Cobalt	3.7	7.9	1.2	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:39	NC
Copper	15	3.1	0.69	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:39	NC
Iron	22000	1600	1000	mg/Kg dry	20		SW-846 6010D	4/27/23	5/6/23 20:21	NC
Lead	90	2.4	1.3	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:39	NC
Magnesium	3400	79	12	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 16:09	MJH
Manganese	770	1.6	0.84	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:39	NC
Mercury	0.18	0.12	0.053	mg/Kg dry	1		SW-846 7471B	4/28/23	5/9/23 12:51	AAJ
Nickel	9.0	3.1	1.3	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:39	NC
Potassium	730	790	140	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:39	NC
Selenium	ND	16	3.4	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 16:09	MJH
Silver	ND	1.6	0.53	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 16:09	MJH
Sodium	600	790	140	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:39	NC
Thallium	ND	7.9	2.7	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:39	NC
Vanadium	26	3.1	0.99	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:39	NC
Zinc	91	3.1	1.1	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:39	NC

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-03A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-03

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	20.7			% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC
pH @18°C	7.3			pH Units	1	H-03	SW-846 9045C	5/1/23	5/1/23 17:30	JEC
Total Organic Carbon	130000	100	65	mg/Kg	1		Lloyd Kahn Method	4/28/23	4/28/23 11:39	QH



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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-04A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-04

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.60	0.054	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Benzene	ND	0.012	0.0035	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Bromochloromethane	ND	0.012	0.0047	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Bromodichloromethane	ND	0.012	0.0031	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Bromoform	ND	0.012	0.0036	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Bromomethane	ND	0.060	0.010	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
2-Butanone (MEK)	ND	0.24	0.037	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Carbon Disulfide	ND	0.060	0.048	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Carbon Tetrachloride	ND	0.012	0.0047	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Chlorobenzene	ND	0.012	0.0033	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Chlorodibromomethane	ND	0.0060	0.0038	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Chloroethane	ND	0.12	0.0066	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Chloroform	ND	0.024	0.0037	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Chloromethane	ND	0.060	0.0059	mg/Kg dry	1	V-05	SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Cyclohexane	ND	0.060	0.024	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.012	0.0047	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
1,2-Dibromoethane (EDB)	ND	0.0060	0.0046	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
1,2-Dichlorobenzene	ND	0.012	0.0032	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
1,3-Dichlorobenzene	ND	0.012	0.0033	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
1,4-Dichlorobenzene	ND	0.012	0.0036	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.12	0.0062	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
1,1-Dichloroethane	ND	0.012	0.0041	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
1,2-Dichloroethane	ND	0.012	0.0040	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
1,1-Dichloroethylene	ND	0.024	0.0049	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
cis-1,2-Dichloroethylene	ND	0.012	0.0038	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
trans-1,2-Dichloroethylene	ND	0.012	0.0044	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
1,2-Dichloropropane	ND	0.012	0.0037	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
cis-1,3-Dichloropropene	ND	0.0060	0.0033	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
trans-1,3-Dichloropropene	ND	0.0060	0.0036	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
1,4-Dioxane	ND	0.60	0.27	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Ethylbenzene	ND	0.012	0.0036	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
2-Hexanone (MBK)	ND	0.12	0.030	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Isopropylbenzene (Cumene)	ND	0.012	0.0037	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Methyl Acetate	ND	0.012	0.0086	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.024	0.0040	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Methyl Cyclohexane	ND	0.012	0.0046	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Methylene Chloride	ND	0.12	0.0057	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.12	0.026	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Styrene	ND	0.012	0.0029	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.0060	0.0033	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Tetrachloroethylene	ND	0.012	0.0050	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
Toluene	ND	0.012	0.0040	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
1,2,3-Trichlorobenzene	ND	0.012	0.0034	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF
1,2,4-Trichlorobenzene	ND	0.012	0.0036	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MFF

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-04A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-04

Sample Matrix: Soil

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.012	0.0046	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MF
1,1,2-Trichloroethane	ND	0.012	0.0032	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MF
Trichloroethylene	ND	0.012	0.0048	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MF
Trichlorofluoromethane (Freon 11)	ND	0.060	0.0045	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.060	0.0051	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MF
Vinyl Chloride	ND	0.060	0.0044	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MF
Xylenes (total)	ND	0.012	0.012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:20	MF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		116	70-130						4/27/23 13:20	
Toluene-d8		94.7	70-130						4/27/23 13:20	
4-Bromofluorobenzene		101	70-130						4/27/23 13:20	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-04A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-04

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	3.0	0.21	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Benzaldehyde	ND	1.5	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Biphenyl	ND	3.0	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Caprolactam	ND	1.5	0.21	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Acenaphthene	ND	0.75	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Acenaphthylene	ND	0.75	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Acetophenone	ND	1.5	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Anthracene	ND	0.75	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Benzo(a)anthracene	ND	0.75	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Benzo(a)pyrene	ND	0.75	0.25	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Benzo(b)fluoranthene	ND	0.75	0.25	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Benzo(g,h,i)perylene	ND	0.75	0.31	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Benzo(k)fluoranthene	ND	0.75	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Bis(2-chloroethoxy)methane	ND	1.5	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Bis(2-chloroethyl)ether	ND	1.5	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Bis(2-chloroisopropyl)ether	ND	1.5	0.63	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.5	0.31	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
4-Bromophenylphenylether	ND	1.5	0.31	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Butylbenzylphthalate	ND	1.5	0.28	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Carbazole	ND	0.75	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
4-Chloroaniline	ND	2.9	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
4-Chloro-3-methylphenol	ND	2.9	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
2-Chloronaphthalene	ND	1.5	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
2-Chlorophenol	ND	1.5	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
4-Chlorophenylphenylether	ND	1.5	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Chrysene	ND	0.75	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Dibenz(a,h)anthracene	ND	0.75	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Dibenzofuran	ND	1.5	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Di-n-butylphthalate	ND	1.5	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
3,3-Dichlorobenzidine	ND	0.75	0.20	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
2,4-Dichlorophenol	ND	1.5	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Diethylphthalate	ND	1.5	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
2,4-Dimethylphenol	ND	1.5	0.39	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Dimethylphthalate	ND	1.5	0.31	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
4,6-Dinitro-2-methylphenol	ND	1.5	1.2	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
2,4-Dinitrophenol	ND	2.9	1.3	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
2,4-Dinitrotoluene	ND	1.5	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
2,6-Dinitrotoluene	ND	1.5	0.34	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Di-n-octylphthalate	ND	1.5	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Fluoranthene	ND	0.75	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Fluorene	ND	0.75	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Hexachlorobenzene	ND	1.5	0.31	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Hexachlorobutadiene	ND	1.5	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Hexachlorocyclopentadiene	ND	1.5	0.97	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-04A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-04

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	1.5	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Indeno(1,2,3-cd)pyrene	ND	0.75	0.33	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Isophorone	ND	1.5	0.31	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
2-Methylnaphthalene	ND	0.75	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
2-Methylphenol	ND	1.5	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
3/4-Methylphenol	ND	1.5	0.33	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Naphthalene	ND	0.75	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
2-Nitroaniline	ND	1.5	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
3-Nitroaniline	ND	1.5	0.35	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
4-Nitroaniline	ND	1.5	0.25	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Nitrobenzene	ND	1.5	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
2-Nitrophenol	ND	1.5	0.31	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
4-Nitrophenol	ND	2.9	0.63	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	1.5	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
N-Nitrosodi-n-propylamine	ND	1.5	0.33	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Pentachlorophenol	ND	1.5	0.68	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Phenanthrene	ND	0.75	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Phenol	ND	1.5	0.35	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Pyrene	ND	0.75	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.5	0.31	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
2,4,5-Trichlorophenol	ND	1.5	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
2,4,6-Trichlorophenol	ND	1.5	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 18:41	BGL
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
2-Fluorophenol		41.7	30-130						5/3/23 18:41	
Phenol-d6		42.4	30-130						5/3/23 18:41	
Nitrobenzene-d5		45.8	30-130						5/3/23 18:41	
2-Fluorobiphenyl		53.6	30-130						5/3/23 18:41	
2,4,6-Tribromophenol		53.5	30-130						5/3/23 18:41	
p-Terphenyl-d14		60.0	30-130						5/3/23 18:41	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-04A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-04

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.35	0.092	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:40	SFM
Aroclor-1221 [1]	ND	0.35	0.19	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:40	SFM
Aroclor-1232 [1]	ND	0.35	0.12	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:40	SFM
Aroclor-1242 [1]	ND	0.35	0.11	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:40	SFM
Aroclor-1248 [1]	ND	0.35	0.089	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:40	SFM
Aroclor-1254 [1]	ND	0.35	0.11	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:40	SFM
Aroclor-1260 [1]	ND	0.35	0.095	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:40	SFM
Aroclor-1262 [1]	ND	0.35	0.11	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:40	SFM
Aroclor-1268 [1]	ND	0.35	0.12	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:40	SFM
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.3		30-150					5/4/23 11:40	
Decachlorobiphenyl [2]		74.9		30-150					5/4/23 11:40	
Tetrachloro-m-xylene [1]		79.5		30-150					5/4/23 11:40	
Tetrachloro-m-xylene [2]		77.9		30-150					5/4/23 11:40	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-04A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	2000	70	51	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:45	NC
Antimony	ND	7.0	1.5	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:45	NC
Arsenic	5.6	14	2.4	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:45	NC
Barium	59	7.0	1.1	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:45	NC
Beryllium	ND	0.70	0.21	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:45	NC
Cadmium	0.51	1.4	0.46	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:45	NC
Calcium	56000	70	13	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:45	NC
Chromium	4.0	2.8	1.0	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:45	NC
Cobalt	1.9	7.0	1.0	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:45	NC
Copper	7.0	2.8	0.61	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:45	NC
Iron	20000	1400	900	mg/Kg dry	20		SW-846 6010D	4/27/23	5/6/23 20:28	NC
Lead	18	2.1	1.2	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:45	NC
Magnesium	1200	70	11	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:45	NC
Manganese	340	1.4	0.75	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:45	NC
Mercury	ND	0.11	0.049	mg/Kg dry	1		SW-846 7471B	4/28/23	5/9/23 12:53	AAJ
Nickel	4.1	2.8	1.1	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:45	NC
Potassium	250	700	130	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:45	NC
Selenium	ND	14	3.0	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 16:15	MJH
Silver	ND	1.4	0.47	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 16:15	MJH
Sodium	530	700	130	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:45	NC
Thallium	ND	7.0	2.4	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:45	NC
Vanadium	10	2.8	0.88	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:45	NC
Zinc	37	2.8	0.96	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:45	NC

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-04A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-04

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	22.6			% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC
pH @18.5°C	7.4			pH Units	1	H-03	SW-846 9045C	5/1/23	5/1/23 17:30	JEC
Total Organic Carbon	150000	100	65	mg/Kg	1		Lloyd Kahn Method	4/28/23	4/28/23 12:25	QH

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-05-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3156-05

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.086	0.45	0.041	mg/Kg dry	1	J	SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Benzene	ND	0.0090	0.0026	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Bromochloromethane	ND	0.0090	0.0035	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Bromodichloromethane	ND	0.0090	0.0024	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Bromoform	ND	0.0090	0.0028	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Bromomethane	ND	0.045	0.0078	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
2-Butanone (MEK)	ND	0.18	0.028	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Carbon Disulfide	ND	0.045	0.036	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Carbon Tetrachloride	ND	0.0090	0.0035	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Chlorobenzene	ND	0.0090	0.0025	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Chlorodibromomethane	ND	0.0045	0.0029	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Chloroethane	ND	0.090	0.0050	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Chloroform	ND	0.018	0.0028	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Chloromethane	ND	0.045	0.0045	mg/Kg dry	1	V-05	SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Cyclohexane	ND	0.045	0.018	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0090	0.0036	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
1,2-Dibromoethane (EDB)	ND	0.0045	0.0034	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
1,2-Dichlorobenzene	ND	0.0090	0.0024	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
1,3-Dichlorobenzene	ND	0.0090	0.0025	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
1,4-Dichlorobenzene	ND	0.0090	0.0027	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.090	0.0047	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
1,1-Dichloroethane	ND	0.0090	0.0031	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
1,2-Dichloroethane	ND	0.0090	0.0030	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
1,1-Dichloroethylene	ND	0.018	0.0037	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
cis-1,2-Dichloroethylene	ND	0.0090	0.0029	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
trans-1,2-Dichloroethylene	ND	0.0090	0.0033	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
1,2-Dichloropropane	ND	0.0090	0.0028	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
cis-1,3-Dichloropropene	ND	0.0045	0.0025	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
trans-1,3-Dichloropropene	ND	0.0045	0.0027	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
1,4-Dioxane	ND	0.45	0.21	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Ethylbenzene	ND	0.0090	0.0027	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
2-Hexanone (MBK)	ND	0.090	0.023	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Isopropylbenzene (Cumene)	ND	0.0090	0.0028	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Methyl Acetate	ND	0.0090	0.0065	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.018	0.0030	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Methyl Cyclohexane	ND	0.0090	0.0035	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Methylene Chloride	ND	0.090	0.0043	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.090	0.020	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Styrene	ND	0.0090	0.0022	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.0045	0.0025	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Tetrachloroethylene	ND	0.0090	0.0038	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
Toluene	ND	0.0090	0.0030	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
1,2,3-Trichlorobenzene	ND	0.0090	0.0025	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF
1,2,4-Trichlorobenzene	ND	0.0090	0.0027	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MFF



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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-05-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3156-05

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0090	0.0034	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MF
1,1,2-Trichloroethane	ND	0.0090	0.0024	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MF
Trichloroethylene	ND	0.0090	0.0036	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MF
Trichlorofluoromethane (Freon 11)	ND	0.045	0.0034	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.045	0.0039	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MF
Vinyl Chloride	ND	0.045	0.0033	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MF
Xylenes (total)	ND	0.0090	0.0090	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 13:47	MF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		114	70-130						4/27/23 13:47	
Toluene-d8		96.1	70-130						4/27/23 13:47	
4-Bromofluorobenzene		94.4	70-130						4/27/23 13:47	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-05-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3156-05

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	2.7	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Benzaldehyde	0.52	1.4	0.13	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Biphenyl	ND	2.7	0.21	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Caprolactam	ND	1.4	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Acenaphthene	ND	0.68	0.26	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Acenaphthylene	ND	0.68	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Acetophenone	ND	1.4	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Anthracene	ND	0.68	0.26	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Benzo(a)anthracene	ND	0.68	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Benzo(a)pyrene	ND	0.68	0.22	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Benzo(b)fluoranthene	ND	0.68	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Benzo(g,h,i)perylene	ND	0.68	0.28	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Benzo(k)fluoranthene	ND	0.68	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Bis(2-chloroethoxy)methane	ND	1.4	0.26	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Bis(2-chloroethyl)ether	ND	1.4	0.28	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Bis(2-chloroisopropyl)ether	ND	1.4	0.57	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.4	0.28	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
4-Bromophenylphenylether	ND	1.4	0.28	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Butylbenzylphthalate	ND	1.4	0.25	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Carbazole	ND	0.68	0.26	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
4-Chloroaniline	ND	2.6	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
4-Chloro-3-methylphenol	ND	2.6	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
2-Chloronaphthalene	ND	1.4	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
2-Chlorophenol	ND	1.4	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
4-Chlorophenylphenylether	ND	1.4	0.26	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Chrysene	ND	0.68	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Dibenz(a,h)anthracene	ND	0.68	0.26	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Dibenzofuran	ND	1.4	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Di-n-butylphthalate	ND	1.4	0.25	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
3,3-Dichlorobenzidine	ND	0.68	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
2,4-Dichlorophenol	ND	1.4	0.26	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Diethylphthalate	ND	1.4	0.26	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
2,4-Dimethylphenol	ND	1.4	0.35	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Dimethylphthalate	ND	1.4	0.28	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
4,6-Dinitro-2-methylphenol	ND	1.4	1.1	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
2,4-Dinitrophenol	ND	2.6	1.2	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
2,4-Dinitrotoluene	ND	1.4	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
2,6-Dinitrotoluene	ND	1.4	0.31	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Di-n-octylphthalate	ND	1.4	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Fluoranthene	ND	0.68	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Fluorene	ND	0.68	0.26	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Hexachlorobenzene	ND	1.4	0.28	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Hexachlorobutadiene	ND	1.4	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Hexachlorocyclopentadiene	ND	1.4	0.88	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-05-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3156-05

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	1.4	0.26	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Indeno(1,2,3-cd)pyrene	ND	0.68	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Isophorone	ND	1.4	0.28	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
2-Methylnaphthalene	ND	0.68	0.26	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
2-Methylphenol	ND	1.4	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
3/4-Methylphenol	ND	1.4	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Naphthalene	ND	0.68	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
2-Nitroaniline	ND	1.4	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
3-Nitroaniline	ND	1.4	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
4-Nitroaniline	ND	1.4	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Nitrobenzene	ND	1.4	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
2-Nitrophenol	ND	1.4	0.28	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
4-Nitrophenol	ND	2.6	0.56	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	1.4	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
N-Nitrosodi-n-propylamine	ND	1.4	0.29	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Pentachlorophenol	ND	1.4	0.61	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Phenanthrene	ND	0.68	0.26	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Phenol	ND	1.4	0.31	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
Pyrene	ND	0.68	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.4	0.28	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
2,4,5-Trichlorophenol	ND	1.4	0.26	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL
2,4,6-Trichlorophenol	ND	1.4	0.26	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:05	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	57.5	30-130	
Phenol-d6	59.5	30-130	
Nitrobenzene-d5	66.7	30-130	
2-Fluorobiphenyl	75.9	30-130	
2,4,6-Tribromophenol	74.4	30-130	
p-Terphenyl-d14	91.7	30-130	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-05-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3156-05

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.31	0.080	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:56	SFM
Aroclor-1221 [1]	ND	0.31	0.17	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:56	SFM
Aroclor-1232 [1]	ND	0.31	0.10	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:56	SFM
Aroclor-1242 [1]	ND	0.31	0.093	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:56	SFM
Aroclor-1248 [1]	ND	0.31	0.078	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:56	SFM
Aroclor-1254 [1]	ND	0.31	0.094	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:56	SFM
Aroclor-1260 [1]	ND	0.31	0.083	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:56	SFM
Aroclor-1262 [1]	ND	0.31	0.092	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:56	SFM
Aroclor-1268 [1]	ND	0.31	0.10	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 11:56	SFM
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		89.2	30-150						5/4/23 11:56	
Decachlorobiphenyl [2]		93.4	30-150						5/4/23 11:56	
Tetrachloro-m-xylene [1]		96.4	30-150						5/4/23 11:56	
Tetrachloro-m-xylene [2]		97.5	30-150						5/4/23 11:56	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-05-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3156-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	8100	64	47	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:51	NC
Antimony	ND	6.4	1.3	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:51	NC
Arsenic	3.0	13	2.2	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:51	NC
Barium	45	6.4	0.99	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:51	NC
Beryllium	0.34	0.64	0.19	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:51	NC
Cadmium	0.70	1.3	0.43	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:51	NC
Calcium	14000	64	12	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:51	NC
Chromium	17	2.6	0.95	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:51	NC
Cobalt	3.6	6.4	0.94	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:51	NC
Copper	14	2.6	0.56	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:51	NC
Iron	12000	1300	820	mg/Kg dry	20		SW-846 6010D	4/27/23	5/6/23 20:34	NC
Lead	60	1.9	1.1	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:51	NC
Magnesium	2100	64	10	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:51	NC
Manganese	170	1.3	0.69	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:51	NC
Mercury	0.10	0.10	0.044	mg/Kg dry	1	J	SW-846 7471B	4/28/23	5/9/23 12:55	AAJ
Nickel	8.4	2.6	1.0	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:51	NC
Potassium	580	640	120	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:51	NC
Selenium	ND	13	2.7	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 16:20	MJH
Silver	ND	1.3	0.43	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 16:20	MJH
Sodium	570	640	110	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:51	NC
Thallium	ND	6.4	2.2	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:51	NC
Vanadium	24	2.6	0.81	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:51	NC
Zinc	190	2.6	0.88	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:51	NC

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-05-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3156-05

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	25.1			% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC
pH @18.7°C	7.7			pH Units	1	H-03	SW-846 9045C	5/1/23	5/1/23 17:30	JEC
Total Organic Carbon	45000	100	65	mg/Kg	1	MS-07	Lloyd Kahn Method	5/2/23	5/2/23 9:10	QH

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-06-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3156-06

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.049	0.28	0.026	mg/Kg dry	1	J	SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Benzene	ND	0.0057	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Bromochloromethane	ND	0.0057	0.0022	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Bromodichloromethane	ND	0.0057	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Bromoform	ND	0.0057	0.0017	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Bromomethane	ND	0.028	0.0049	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
2-Butanone (MEK)	ND	0.11	0.018	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Carbon Disulfide	ND	0.028	0.023	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Carbon Tetrachloride	ND	0.0057	0.0022	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Chlorobenzene	ND	0.0057	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Chlorodibromomethane	ND	0.0028	0.0018	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Chloroethane	ND	0.057	0.0031	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Chloroform	ND	0.011	0.0018	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Chloromethane	ND	0.028	0.0028	mg/Kg dry	1	V-05	SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Cyclohexane	ND	0.028	0.012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0057	0.0022	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
1,2-Dibromoethane (EDB)	ND	0.0028	0.0022	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
1,2-Dichlorobenzene	ND	0.0057	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
1,3-Dichlorobenzene	ND	0.0057	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
1,4-Dichlorobenzene	ND	0.0057	0.0017	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.057	0.0029	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
1,1-Dichloroethane	ND	0.0057	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
1,2-Dichloroethane	ND	0.0057	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
1,1-Dichloroethylene	ND	0.011	0.0023	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
cis-1,2-Dichloroethylene	ND	0.0057	0.0018	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
trans-1,2-Dichloroethylene	ND	0.0057	0.0021	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
1,2-Dichloropropane	ND	0.0057	0.0018	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
cis-1,3-Dichloropropene	ND	0.0028	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
trans-1,3-Dichloropropene	ND	0.0028	0.0017	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
1,4-Dioxane	ND	0.28	0.13	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Ethylbenzene	ND	0.0057	0.0017	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
2-Hexanone (MBK)	ND	0.057	0.014	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Isopropylbenzene (Cumene)	ND	0.0057	0.0018	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Methyl Acetate	ND	0.0057	0.0041	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.011	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Methyl Cyclohexane	ND	0.0057	0.0022	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Methylene Chloride	ND	0.057	0.0027	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.057	0.012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Styrene	ND	0.0057	0.0014	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
1,1,2,2-Tetrachloroethane	ND	0.0028	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Tetrachloroethylene	ND	0.0057	0.0024	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Toluene	ND	0.0057	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
1,2,3-Trichlorobenzene	ND	0.0057	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
1,2,4-Trichlorobenzene	ND	0.0057	0.0017	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-06-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3156-06

Sample Matrix: Soil

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0057	0.0022	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
1,1,2-Trichloroethane	ND	0.0057	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Trichloroethylene	ND	0.0057	0.0023	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Trichlorofluoromethane (Freon 11)	ND	0.028	0.0021	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.028	0.0024	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Vinyl Chloride	ND	0.028	0.0021	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Xylenes (total)	ND	0.0057	0.0057	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:12	MFF
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		118		70-130					4/27/23 14:12	
Toluene-d8		94.7		70-130					4/27/23 14:12	
4-Bromofluorobenzene		99.6		70-130					4/27/23 14:12	



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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-06-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3156-06

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	1.6	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Benzaldehyde	ND	0.81	0.078	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Biphenyl	ND	1.6	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Caprolactam	ND	0.81	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Acenaphthene	ND	0.41	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Acenaphthylene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Acetophenone	ND	0.81	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Anthracene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Benzo(a)anthracene	ND	0.41	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Benzo(a)pyrene	ND	0.41	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Benzo(b)fluoranthene	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Benzo(g,h,i)perylene	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Benzo(k)fluoranthene	ND	0.41	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Bis(2-chloroethoxy)methane	ND	0.81	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Bis(2-chloroethyl)ether	ND	0.81	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Bis(2-chloroisopropyl)ether	ND	0.81	0.34	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.81	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
4-Bromophenylphenylether	ND	0.81	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Butylbenzylphthalate	ND	0.81	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Carbazole	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
4-Chloroaniline	ND	1.6	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
4-Chloro-3-methylphenol	ND	1.6	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
2-Chloronaphthalene	ND	0.81	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
2-Chlorophenol	ND	0.81	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
4-Chlorophenylphenylether	ND	0.81	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Chrysene	ND	0.41	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Dibenz(a,h)anthracene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Dibenzofuran	ND	0.81	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Di-n-butylphthalate	ND	0.81	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
3,3-Dichlorobenzidine	ND	0.41	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
2,4-Dichlorophenol	ND	0.81	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Diethylphthalate	ND	0.81	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
2,4-Dimethylphenol	ND	0.81	0.21	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Dimethylphthalate	ND	0.81	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
4,6-Dinitro-2-methylphenol	ND	0.81	0.66	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
2,4-Dinitrophenol	ND	1.6	0.71	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
2,4-Dinitrotoluene	ND	0.81	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
2,6-Dinitrotoluene	ND	0.81	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Di-n-octylphthalate	ND	0.81	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Fluoranthene	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Fluorene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Hexachlorobenzene	ND	0.81	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Hexachlorobutadiene	ND	0.81	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Hexachlorocyclopentadiene	ND	0.81	0.53	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-06-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3156-06

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.81	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Indeno(1,2,3-cd)pyrene	ND	0.41	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Isophorone	ND	0.81	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
2-Methylnaphthalene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
2-Methylphenol	ND	0.81	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
3/4-Methylphenol	ND	0.81	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Naphthalene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
2-Nitroaniline	ND	0.81	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
3-Nitroaniline	ND	0.81	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
4-Nitroaniline	ND	0.81	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Nitrobenzene	ND	0.81	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
2-Nitrophenol	ND	0.81	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
4-Nitrophenol	ND	1.6	0.34	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.81	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
N-Nitrosodi-n-propylamine	ND	0.81	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Pentachlorophenol	ND	0.81	0.36	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Phenanthrene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Phenol	ND	0.81	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
Pyrene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.81	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
2,4,5-Trichlorophenol	ND	0.81	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL
2,4,6-Trichlorophenol	ND	0.81	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/3/23 19:29	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	63.9	30-130	5/3/23 19:29
Phenol-d6	65.3	30-130	5/3/23 19:29
Nitrobenzene-d5	69.9	30-130	5/3/23 19:29
2-Fluorobiphenyl	79.9	30-130	5/3/23 19:29
2,4,6-Tribromophenol	85.6	30-130	5/3/23 19:29
p-Terphenyl-d14	89.9	30-130	5/3/23 19:29

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-06-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3156-06

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	0.048	mg/Kg dry	4		SW-846 8082A	4/27/23	4/29/23 12:38	TG
Aroclor-1221 [1]	ND	0.18	0.098	mg/Kg dry	4		SW-846 8082A	4/27/23	4/29/23 12:38	TG
Aroclor-1232 [1]	ND	0.18	0.060	mg/Kg dry	4		SW-846 8082A	4/27/23	4/29/23 12:38	TG
Aroclor-1242 [1]	ND	0.18	0.055	mg/Kg dry	4		SW-846 8082A	4/27/23	4/29/23 12:38	TG
Aroclor-1248 [1]	ND	0.18	0.046	mg/Kg dry	4		SW-846 8082A	4/27/23	4/29/23 12:38	TG
Aroclor-1254 [1]	ND	0.18	0.056	mg/Kg dry	4		SW-846 8082A	4/27/23	4/29/23 12:38	TG
Aroclor-1260 [1]	ND	0.18	0.049	mg/Kg dry	4		SW-846 8082A	4/27/23	4/29/23 12:38	TG
Aroclor-1262 [1]	ND	0.18	0.055	mg/Kg dry	4		SW-846 8082A	4/27/23	4/29/23 12:38	TG
Aroclor-1268 [1]	ND	0.18	0.061	mg/Kg dry	4		SW-846 8082A	4/27/23	4/29/23 12:38	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		87.5	30-150						4/29/23 12:38	
Decachlorobiphenyl [2]		90.5	30-150						4/29/23 12:38	
Tetrachloro-m-xylene [1]		81.8	30-150						4/29/23 12:38	
Tetrachloro-m-xylene [2]		84.3	30-150						4/29/23 12:38	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

**Field Sample #: SED-06-20230425**

Sampled: 4/25/2023 14:45

**Sample ID: 23D3156-06**

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	11000	38	28	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:56	NC
Antimony	ND	3.8	0.80	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:56	NC
Arsenic	2.4	7.7	1.3	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:56	NC
Barium	69	3.8	0.59	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:56	NC
Beryllium	0.35	0.38	0.11	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:56	NC
Cadmium	0.33	0.77	0.25	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:56	NC
Calcium	6300	38	6.9	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:56	NC
Chromium	9.6	1.5	0.57	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:56	NC
Cobalt	4.0	3.8	0.56	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:56	NC
Copper	8.7	1.5	0.34	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:56	NC
Iron	22000	770	490	mg/Kg dry	20		SW-846 6010D	4/27/23	5/6/23 20:40	NC
Lead	17	1.2	0.64	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:56	NC
Magnesium	1400	38	6.0	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:56	NC
Manganese	420	0.77	0.41	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:56	NC
Mercury	0.055	0.061	0.026	mg/Kg dry	1	J	SW-846 7471B	4/28/23	5/9/23 12:57	AAJ
Nickel	9.9	1.5	0.62	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:56	NC
Potassium	380	380	70	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:56	NC
Selenium	ND	7.7	1.6	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 16:26	MJH
Silver	0.40	0.77	0.26	mg/Kg dry	1	J	SW-846 6010D	4/27/23	5/3/23 16:26	MJH
Sodium	200	380	69	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/28/23 23:56	NC
Thallium	ND	3.8	1.3	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:56	NC
Vanadium	22	1.5	0.48	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:56	NC
Zinc	160	1.5	0.53	mg/Kg dry	1		SW-846 6010D	4/27/23	4/28/23 23:56	NC

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-06-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3156-06

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	41.9			% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC
pH @18.2°C	7.0			pH Units	1	H-03	SW-846 9045C	5/1/23	5/1/23 17:30	JEC
Total Organic Carbon	31000	100	65	mg/Kg	1	MS-11	Lloyd Kahn Method	5/3/23	5/3/23 8:12	QH

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-07-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3156-07

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.23	0.54	0.049	mg/Kg dry	1	J	SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Benzene	ND	0.011	0.0031	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Bromochloromethane	ND	0.011	0.0042	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Bromodichloromethane	ND	0.011	0.0028	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Bromoform	ND	0.011	0.0033	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Bromomethane	ND	0.054	0.0093	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
2-Butanone (MEK)	ND	0.21	0.034	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Carbon Disulfide	ND	0.054	0.043	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Carbon Tetrachloride	ND	0.011	0.0042	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Chlorobenzene	ND	0.011	0.0030	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Chlorodibromomethane	ND	0.0054	0.0034	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Chloroethane	ND	0.11	0.0059	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Chloroform	ND	0.021	0.0034	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Chloromethane	ND	0.054	0.0053	mg/Kg dry	1	V-05	SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Cyclohexane	ND	0.054	0.022	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.011	0.0042	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
1,2-Dibromoethane (EDB)	ND	0.0054	0.0041	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
1,2-Dichlorobenzene	ND	0.011	0.0028	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
1,3-Dichlorobenzene	ND	0.011	0.0030	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
1,4-Dichlorobenzene	ND	0.011	0.0032	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.11	0.0055	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
1,1-Dichloroethane	ND	0.011	0.0037	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
1,2-Dichloroethane	ND	0.011	0.0036	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
1,1-Dichloroethylene	ND	0.021	0.0044	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
cis-1,2-Dichloroethylene	ND	0.011	0.0034	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
trans-1,2-Dichloroethylene	ND	0.011	0.0039	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
1,2-Dichloropropane	ND	0.011	0.0033	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
cis-1,3-Dichloropropene	ND	0.0054	0.0030	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
trans-1,3-Dichloropropene	ND	0.0054	0.0033	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
1,4-Dioxane	ND	0.54	0.24	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Ethylbenzene	ND	0.011	0.0032	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
2-Hexanone (MBK)	ND	0.11	0.027	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Isopropylbenzene (Cumene)	ND	0.011	0.0033	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Methyl Acetate	ND	0.011	0.0077	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.021	0.0036	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Methyl Cyclohexane	ND	0.011	0.0042	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Methylene Chloride	ND	0.11	0.0051	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.11	0.024	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Styrene	ND	0.011	0.0026	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
1,1,2,2-Tetrachloroethane	ND	0.0054	0.0030	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Tetrachloroethylene	ND	0.011	0.0045	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
Toluene	ND	0.011	0.0036	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
1,2,3-Trichlorobenzene	ND	0.011	0.0030	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF
1,2,4-Trichlorobenzene	ND	0.011	0.0032	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-07-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3156-07

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.011	0.0041	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MF
1,1,2-Trichloroethane	ND	0.011	0.0029	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MF
Trichloroethylene	ND	0.011	0.0043	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MF
Trichlorofluoromethane (Freon 11)	ND	0.054	0.0040	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.054	0.0046	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MF
Vinyl Chloride	ND	0.054	0.0040	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MF
Xylenes (total)	ND	0.011	0.011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 14:37	MF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		118	70-130						4/27/23 14:37	
Toluene-d8		95.9	70-130						4/27/23 14:37	
4-Bromofluorobenzene		93.8	70-130						4/27/23 14:37	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-07-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3156-07

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	3.8	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Benzaldehyde	0.38	1.9	0.19	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Biphenyl	ND	3.8	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Caprolactam	ND	1.9	0.28	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Acenaphthene	ND	0.97	0.37	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Acenaphthylene	ND	0.97	0.38	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Acetophenone	ND	1.9	0.38	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Anthracene	ND	0.97	0.37	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Benzo(a)anthracene	ND	0.97	0.35	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Benzo(a)pyrene	ND	0.97	0.32	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Benzo(b)fluoranthene	ND	0.97	0.33	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Benzo(g,h,i)perylene	ND	0.97	0.41	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Benzo(k)fluoranthene	ND	0.97	0.35	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Bis(2-chloroethoxy)methane	ND	1.9	0.38	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Bis(2-chloroethyl)ether	ND	1.9	0.41	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Bis(2-chloroisopropyl)ether	ND	1.9	0.81	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.9	0.40	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
4-Bromophenylphenylether	ND	1.9	0.40	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Butylbenzylphthalate	ND	1.9	0.36	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Carbazole	ND	0.97	0.38	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
4-Chloroaniline	ND	3.8	0.34	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
4-Chloro-3-methylphenol	ND	3.8	0.38	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
2-Chloronaphthalene	ND	1.9	0.34	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
2-Chlorophenol	ND	1.9	0.39	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
4-Chlorophenylphenylether	ND	1.9	0.37	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Chrysene	ND	0.97	0.35	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Dibenz(a,h)anthracene	ND	0.97	0.37	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Dibenzofuran	ND	1.9	0.38	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Di-n-butylphthalate	ND	1.9	0.35	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
3,3-Dichlorobenzidine	ND	0.97	0.26	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
2,4-Dichlorophenol	ND	1.9	0.37	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Diethylphthalate	ND	1.9	0.38	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
2,4-Dimethylphenol	ND	1.9	0.51	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Dimethylphthalate	ND	1.9	0.40	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
4,6-Dinitro-2-methylphenol	ND	1.9	1.6	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
2,4-Dinitrophenol	ND	3.8	1.7	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
2,4-Dinitrotoluene	ND	1.9	0.39	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
2,6-Dinitrotoluene	ND	1.9	0.44	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Di-n-octylphthalate	ND	1.9	0.38	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Fluoranthene	ND	0.97	0.35	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Fluorene	ND	0.97	0.38	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Hexachlorobenzene	ND	1.9	0.40	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Hexachlorobutadiene	ND	1.9	0.39	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Hexachlorocyclopentadiene	ND	1.9	1.3	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-07-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3156-07

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	1.9	0.38	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Indeno(1,2,3-cd)pyrene	ND	0.97	0.42	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Isophorone	ND	1.9	0.40	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
2-Methylnaphthalene	ND	0.97	0.38	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
2-Methylphenol	ND	1.9	0.39	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
3/4-Methylphenol	ND	1.9	0.42	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Naphthalene	ND	0.97	0.39	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
2-Nitroaniline	ND	1.9	0.39	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
3-Nitroaniline	ND	1.9	0.46	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
4-Nitroaniline	ND	1.9	0.33	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Nitrobenzene	ND	1.9	0.42	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
2-Nitrophenol	ND	1.9	0.40	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
4-Nitrophenol	ND	3.8	0.81	mg/Kg dry	1	V-05	SW-846 8270E	4/27/23	5/5/23 16:10	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	1.9	0.39	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
N-Nitrosodi-n-propylamine	ND	1.9	0.42	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Pentachlorophenol	ND	1.9	0.87	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Phenanthrene	ND	0.97	0.38	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Phenol	ND	1.9	0.45	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
Pyrene	ND	0.97	0.39	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.9	0.40	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
2,4,5-Trichlorophenol	ND	1.9	0.38	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL
2,4,6-Trichlorophenol	ND	1.9	0.37	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:10	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	49.1	30-130	
Phenol-d6	52.9	30-130	
Nitrobenzene-d5	58.7	30-130	
2-Fluorobiphenyl	65.2	30-130	
2,4,6-Tribromophenol	66.6	30-130	
p-Terphenyl-d14	63.3	30-130	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-07-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3156-07

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	0.12	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 12:39	JEA
Aroclor-1221 [1]	ND	0.46	0.24	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 12:39	JEA
Aroclor-1232 [1]	ND	0.46	0.15	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 12:39	JEA
Aroclor-1242 [1]	ND	0.46	0.14	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 12:39	JEA
Aroclor-1248 [1]	ND	0.46	0.12	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 12:39	JEA
Aroclor-1254 [1]	ND	0.46	0.14	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 12:39	JEA
Aroclor-1260 [1]	ND	0.46	0.12	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 12:39	JEA
Aroclor-1262 [1]	ND	0.46	0.14	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 12:39	JEA
Aroclor-1268 [1]	ND	0.46	0.15	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 12:39	JEA
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.9		30-150					4/30/23 12:39	
Decachlorobiphenyl [2]		79.3		30-150					4/30/23 12:39	
Tetrachloro-m-xylene [1]		70.8		30-150					4/30/23 12:39	
Tetrachloro-m-xylene [2]		81.9		30-150					4/30/23 12:39	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-07-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3156-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	4200	90	65	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:01	NC
Antimony	ND	9.0	1.9	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:01	NC
Arsenic	ND	18	3.0	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:01	NC
Barium	63	9.0	1.4	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:01	NC
Beryllium	ND	0.90	0.27	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:01	NC
Cadmium	ND	1.8	0.59	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:01	NC
Calcium	17000	90	16	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:01	NC
Chromium	5.4	3.6	1.3	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:01	NC
Cobalt	ND	9.0	1.3	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:01	NC
Copper	7.8	3.6	0.79	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:01	NC
Iron	13000	1800	1100	mg/Kg dry	20		SW-846 6010D	4/27/23	5/6/23 20:48	NC
Lead	17	2.7	1.5	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:01	NC
Magnesium	1700	90	14	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:01	NC
Manganese	700	1.8	0.96	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:01	NC
Mercury	ND	0.15	0.064	mg/Kg dry	1		SW-846 7471B	4/28/23	5/9/23 13:03	AAJ
Nickel	3.8	3.6	1.5	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:01	NC
Potassium	510	900	160	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:01	NC
Selenium	ND	18	3.8	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 16:31	MJH
Silver	ND	1.8	0.60	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 16:31	MJH
Sodium	820	900	160	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:01	NC
Thallium	ND	9.0	3.1	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:01	NC
Vanadium	12	3.6	1.1	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:01	NC
Zinc	56	3.6	1.2	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:01	NC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-07-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3156-07

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	17.5			% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC
pH @17°C	7.2			pH Units	1	H-03	SW-846 9045C	5/1/23	5/1/23 17:30	JEC
Total Organic Carbon	79000	100	65	mg/Kg	1		Lloyd Kahn Method	5/3/23	5/3/23 9:12	QH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-08-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-08

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.11	0.26	0.024	mg/Kg dry	1	J	SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Benzene	ND	0.0052	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Bromochloromethane	ND	0.0052	0.0020	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Bromodichloromethane	ND	0.0052	0.0014	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Bromoform	ND	0.0052	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Bromomethane	ND	0.026	0.0045	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
2-Butanone (MEK)	ND	0.10	0.016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Carbon Disulfide	ND	0.026	0.021	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Carbon Tetrachloride	ND	0.0052	0.0020	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Chlorobenzene	ND	0.0052	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Chlorodibromomethane	ND	0.0026	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Chloroethane	ND	0.052	0.0029	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Chloroform	ND	0.010	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Chloromethane	ND	0.026	0.0026	mg/Kg dry	1	V-05	SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Cyclohexane	ND	0.026	0.011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0052	0.0021	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
1,2-Dibromoethane (EDB)	ND	0.0026	0.0020	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
1,2-Dichlorobenzene	ND	0.0052	0.0014	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
1,3-Dichlorobenzene	ND	0.0052	0.0014	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
1,4-Dichlorobenzene	ND	0.0052	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.052	0.0027	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
1,1-Dichloroethane	ND	0.0052	0.0018	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
1,2-Dichloroethane	ND	0.0052	0.0017	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
1,1-Dichloroethylene	ND	0.010	0.0021	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
cis-1,2-Dichloroethylene	ND	0.0052	0.0017	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
trans-1,2-Dichloroethylene	ND	0.0052	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
1,2-Dichloropropane	ND	0.0052	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
cis-1,3-Dichloropropene	ND	0.0026	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
trans-1,3-Dichloropropene	ND	0.0026	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
1,4-Dioxane	ND	0.26	0.12	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Ethylbenzene	ND	0.0052	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
2-Hexanone (MBK)	ND	0.052	0.013	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Isopropylbenzene (Cumene)	ND	0.0052	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Methyl Acetate	ND	0.0052	0.0037	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.010	0.0018	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Methyl Cyclohexane	ND	0.0052	0.0020	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Methylene Chloride	ND	0.052	0.0025	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.052	0.011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Styrene	ND	0.0052	0.0013	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
1,1,2,2-Tetrachloroethane	ND	0.0026	0.0014	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Tetrachloroethylene	ND	0.0052	0.0022	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Toluene	ND	0.0052	0.0018	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
1,2,3-Trichlorobenzene	ND	0.0052	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
1,2,4-Trichlorobenzene	ND	0.0052	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-08-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-08

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0052	0.0020	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
1,1,2-Trichloroethane	ND	0.0052	0.0014	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Trichloroethylene	ND	0.0052	0.0021	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Trichlorofluoromethane (Freon 11)	ND	0.026	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.026	0.0022	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Vinyl Chloride	ND	0.026	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Xylenes (total)	ND	0.0052	0.0052	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:03	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		119	70-130						4/27/23 15:03	
Toluene-d8		94.7	70-130						4/27/23 15:03	
4-Bromofluorobenzene		99.1	70-130						4/27/23 15:03	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-08-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-08

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	1.7	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Benzaldehyde	0.43	0.88	0.084	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Biphenyl	ND	1.7	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Caprolactam	ND	0.88	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Acenaphthene	ND	0.44	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Acenaphthylene	ND	0.44	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Acetophenone	ND	0.88	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Anthracene	ND	0.44	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Benzo(a)anthracene	ND	0.44	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Benzo(a)pyrene	ND	0.44	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Benzo(b)fluoranthene	ND	0.44	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Benzo(g,h,i)perylene	ND	0.44	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Benzo(k)fluoranthene	ND	0.44	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Bis(2-chloroethoxy)methane	ND	0.88	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Bis(2-chloroethyl)ether	ND	0.88	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Bis(2-chloroisopropyl)ether	ND	0.88	0.37	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.88	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
4-Bromophenylphenylether	ND	0.88	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Butylbenzylphthalate	0.17	0.88	0.17	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Carbazole	ND	0.44	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
4-Chloroaniline	ND	1.7	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
4-Chloro-3-methylphenol	ND	1.7	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
2-Chloronaphthalene	ND	0.88	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
2-Chlorophenol	ND	0.88	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
4-Chlorophenylphenylether	ND	0.88	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Chrysene	ND	0.44	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Dibenz(a,h)anthracene	ND	0.44	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Dibenzofuran	ND	0.88	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Di-n-butylphthalate	ND	0.88	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
3,3-Dichlorobenzidine	ND	0.44	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
2,4-Dichlorophenol	ND	0.88	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Diethylphthalate	ND	0.88	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
2,4-Dimethylphenol	ND	0.88	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Dimethylphthalate	ND	0.88	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
4,6-Dinitro-2-methylphenol	ND	0.88	0.72	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
2,4-Dinitrophenol	ND	1.7	0.77	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
2,4-Dinitrotoluene	ND	0.88	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
2,6-Dinitrotoluene	ND	0.88	0.20	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Di-n-octylphthalate	ND	0.88	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Fluoranthene	ND	0.44	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Fluorene	ND	0.44	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Hexachlorobenzene	ND	0.88	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Hexachlorobutadiene	ND	0.88	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Hexachlorocyclopentadiene	ND	0.88	0.57	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-08-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-08

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.88	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Indeno(1,2,3-cd)pyrene	ND	0.44	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Isophorone	ND	0.88	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
2-Methylnaphthalene	ND	0.44	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
2-Methylphenol	ND	0.88	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
3/4-Methylphenol	ND	0.88	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Naphthalene	ND	0.44	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
2-Nitroaniline	ND	0.88	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
3-Nitroaniline	ND	0.88	0.21	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
4-Nitroaniline	ND	0.88	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Nitrobenzene	ND	0.88	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
2-Nitrophenol	ND	0.88	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
4-Nitrophenol	ND	1.7	0.37	mg/Kg dry	1	V-05	SW-846 8270E	4/27/23	5/5/23 16:34	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.88	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
N-Nitrosodi-n-propylamine	ND	0.88	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Pentachlorophenol	ND	0.88	0.39	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Phenanthrene	ND	0.44	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Phenol	ND	0.88	0.20	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
Pyrene	ND	0.44	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.88	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
2,4,5-Trichlorophenol	ND	0.88	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL
2,4,6-Trichlorophenol	ND	0.88	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:34	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	42.8	30-130	5/5/23 16:34
Phenol-d6	50.2	30-130	5/5/23 16:34
Nitrobenzene-d5	52.7	30-130	5/5/23 16:34
2-Fluorobiphenyl	65.9	30-130	5/5/23 16:34
2,4,6-Tribromophenol	60.2	30-130	5/5/23 16:34
p-Terphenyl-d14	64.8	30-130	5/5/23 16:34



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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-08-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-08

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	0.052	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 12:56	JEA
Aroclor-1221 [1]	ND	0.20	0.11	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 12:56	JEA
Aroclor-1232 [1]	ND	0.20	0.065	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 12:56	JEA
Aroclor-1242 [1]	ND	0.20	0.060	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 12:56	JEA
Aroclor-1248 [1]	ND	0.20	0.050	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 12:56	JEA
Aroclor-1254 [1]	ND	0.20	0.060	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 12:56	JEA
Aroclor-1260 [1]	ND	0.20	0.053	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 12:56	JEA
Aroclor-1262 [1]	ND	0.20	0.059	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 12:56	JEA
Aroclor-1268 [1]	ND	0.20	0.066	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 12:56	JEA
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.8		30-150					4/30/23 12:56	
Decachlorobiphenyl [2]		87.8		30-150					4/30/23 12:56	
Tetrachloro-m-xylene [1]		79.0		30-150					4/30/23 12:56	
Tetrachloro-m-xylene [2]		90.9		30-150					4/30/23 12:56	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-08-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	7200	41	30	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:06	NC
Antimony	ND	4.1	0.85	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:06	NC
Arsenic	19	8.2	1.4	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:06	NC
Barium	500	4.1	0.63	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:06	NC
Beryllium	0.49	0.41	0.12	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:06	NC
Cadmium	0.66	0.82	0.27	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:06	NC
Calcium	17000	41	7.4	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:06	NC
Chromium	8.8	1.6	0.60	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:06	NC
Cobalt	18	4.1	0.60	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:06	NC
Copper	8.4	1.6	0.36	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:06	NC
Iron	22000	820	520	mg/Kg dry	20		SW-846 6010D	4/27/23	5/6/23 21:05	NC
Lead	5.6	1.2	0.68	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:06	NC
Magnesium	1700	41	6.4	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 16:54	MJH
Manganese	21000	8.2	4.4	mg/Kg dry	10		SW-846 6010D	4/27/23	5/3/23 16:36	MJH
Mercury	0.057	0.066	0.029	mg/Kg dry	1	J	SW-846 7471B	4/28/23	5/9/23 13:05	AAJ
Nickel	30	1.6	0.66	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:06	NC
Potassium	260	410	75	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:06	NC
Selenium	ND	8.2	1.8	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 16:54	MJH
Silver	ND	0.82	0.27	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 16:54	MJH
Sodium	440	410	73	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:06	NC
Thallium	ND	4.1	1.4	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:06	NC
Vanadium	17	1.6	0.51	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:06	NC
Zinc	31	1.6	0.56	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:06	NC

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-08-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3156-08

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	38.7			% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC
pH @16.7°C	7.4			pH Units	1	H-03	SW-846 9045C	5/1/23	5/1/23 17:30	JEC
Total Organic Carbon	40000	100	65	mg/Kg	1		Lloyd Kahn Method	5/3/23	5/3/23 10:44	QH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-09-20230425

Sampled: 4/25/2023 15:00

Sample ID: 23D3156-09

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.9	44	1.8	mg/Kg dry	1	J	SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Benzene	ND	0.89	0.16	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Bromochloromethane	ND	0.89	0.25	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Bromodichloromethane	ND	0.89	0.14	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Bromoform	ND	0.89	0.36	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Bromomethane	1.5	1.8	1.2	mg/Kg dry	1	L-06, V-06, J	SW-846 8260D	4/28/23	5/6/23 7:50	MFF
2-Butanone (MEK)	3.3	18	1.5	mg/Kg dry	1	J	SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Carbon Disulfide	ND	4.4	1.4	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Carbon Tetrachloride	ND	0.89	0.14	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Chlorobenzene	ND	0.89	0.11	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Chlorodibromomethane	ND	0.44	0.18	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Chloroethane	ND	1.8	0.30	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Chloroform	ND	1.8	0.12	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Chloromethane	0.60	1.8	0.45	mg/Kg dry	1	J	SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Cyclohexane	ND	1.8	1.6	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	4.4	0.75	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
1,2-Dibromoethane (EDB)	ND	0.44	0.14	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
1,2-Dichlorobenzene	ND	0.89	0.11	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
1,3-Dichlorobenzene	ND	0.89	0.12	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
1,4-Dichlorobenzene	ND	0.89	0.11	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Dichlorodifluoromethane (Freon 12)	ND	1.8	0.14	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
1,1-Dichloroethane	ND	0.89	0.12	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
1,2-Dichloroethane	ND	0.89	0.27	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
1,1-Dichloroethylene	ND	0.89	0.12	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
cis-1,2-Dichloroethylene	ND	0.89	0.12	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
trans-1,2-Dichloroethylene	ND	0.89	0.15	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
1,2-Dichloropropane	ND	0.89	0.17	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
cis-1,3-Dichloropropene	ND	0.44	0.14	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
trans-1,3-Dichloropropene	ND	0.44	0.13	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
1,4-Dioxane	ND	44	16	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Ethylbenzene	ND	0.89	0.20	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
2-Hexanone (MBK)	ND	8.9	1.1	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Isopropylbenzene (Cumene)	ND	0.89	0.13	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Methyl Acetate	2.2	8.9	0.54	mg/Kg dry	1	J	SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.89	0.15	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Methyl Cyclohexane	ND	0.89	0.14	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Methylene Chloride	ND	4.4	0.16	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
4-Methyl-2-pentanone (MIBK)	ND	8.9	1.2	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Styrene	ND	0.89	0.13	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
1,1,2,2-Tetrachloroethane	ND	0.44	0.12	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Tetrachloroethylene	ND	0.89	0.15	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
Toluene	ND	0.89	0.20	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
1,2,3-Trichlorobenzene	ND	4.4	0.30	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF
1,2,4-Trichlorobenzene	ND	0.89	0.27	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-09-20230425

Sampled: 4/25/2023 15:00

Sample ID: 23D3156-09

Sample Matrix: Soil

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.89	0.13	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MF
1,1,2-Trichloroethane	ND	0.89	0.17	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MF
Trichloroethylene	ND	0.89	0.15	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MF
Trichlorofluoromethane (Freon 11)	ND	1.8	0.14	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.89	0.18	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MF
Vinyl Chloride	ND	1.8	0.21	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MF
Xylenes (total)	ND	0.89	0.89	mg/Kg dry	1		SW-846 8260D	4/28/23	5/6/23 7:50	MF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	102		70-130				5/6/23 7:50			
Toluene-d8	104		70-130				5/6/23 7:50			
4-Bromofluorobenzene	96.4		70-130				5/6/23 7:50			

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-09-20230425

Sampled: 4/25/2023 15:00

Sample ID: 23D3156-09

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	5.5	0.38	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Benzaldehyde	ND	2.8	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Biphenyl	ND	5.5	0.44	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Caprolactam	0.44	2.8	0.40	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Acenaphthene	ND	1.4	0.54	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Acenaphthylene	ND	1.4	0.55	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Acetophenone	ND	2.8	0.55	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Anthracene	ND	1.4	0.54	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Benzo(a)anthracene	ND	1.4	0.51	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Benzo(a)pyrene	ND	1.4	0.46	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Benzo(b)fluoranthene	ND	1.4	0.47	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Benzo(g,h,i)perylene	ND	1.4	0.59	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Benzo(k)fluoranthene	ND	1.4	0.51	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Bis(2-chloroethoxy)methane	ND	2.8	0.55	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Bis(2-chloroethyl)ether	ND	2.8	0.59	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Bis(2-chloroisopropyl)ether	ND	2.8	1.2	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.8	0.57	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
4-Bromophenylphenylether	ND	2.8	0.58	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Butylbenzylphthalate	ND	2.8	0.53	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Carbazole	ND	1.4	0.55	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
4-Chloroaniline	ND	5.5	0.50	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
4-Chloro-3-methylphenol	ND	5.5	0.55	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
2-Chloronaphthalene	ND	2.8	0.50	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
2-Chlorophenol	ND	2.8	0.57	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
4-Chlorophenylphenylether	ND	2.8	0.54	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Chrysene	ND	1.4	0.51	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Dibenz(a,h)anthracene	ND	1.4	0.54	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Dibenzofuran	ND	2.8	0.55	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Di-n-butylphthalate	ND	2.8	0.51	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
3,3-Dichlorobenzidine	ND	1.4	0.37	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
2,4-Dichlorophenol	ND	2.8	0.54	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Diethylphthalate	ND	2.8	0.54	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
2,4-Dimethylphenol	ND	2.8	0.73	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Dimethylphthalate	ND	2.8	0.58	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
4,6-Dinitro-2-methylphenol	ND	2.8	2.3	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
2,4-Dinitrophenol	ND	5.5	2.5	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
2,4-Dinitrotoluene	ND	2.8	0.56	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
2,6-Dinitrotoluene	ND	2.8	0.63	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Di-n-octylphthalate	ND	2.8	0.56	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Fluoranthene	ND	1.4	0.50	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Fluorene	ND	1.4	0.55	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Hexachlorobenzene	ND	2.8	0.58	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Hexachlorobutadiene	ND	2.8	0.57	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Hexachlorocyclopentadiene	ND	2.8	1.8	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-09-20230425

Sampled: 4/25/2023 15:00

Sample ID: 23D3156-09

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	2.8	0.55	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Indeno(1,2,3-cd)pyrene	ND	1.4	0.61	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Isophorone	ND	2.8	0.57	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
2-Methylnaphthalene	ND	1.4	0.55	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
2-Methylphenol	ND	2.8	0.56	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
3/4-Methylphenol	ND	2.8	0.61	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Naphthalene	ND	1.4	0.56	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
2-Nitroaniline	ND	2.8	0.56	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
3-Nitroaniline	ND	2.8	0.66	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
4-Nitroaniline	ND	2.8	0.47	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Nitrobenzene	ND	2.8	0.61	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
2-Nitrophenol	ND	2.8	0.58	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
4-Nitrophenol	ND	5.5	1.2	mg/Kg dry	1	V-05	SW-846 8270E	4/27/23	5/5/23 16:57	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	2.8	0.56	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
N-Nitrosodi-n-propylamine	ND	2.8	0.61	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Pentachlorophenol	ND	2.8	1.3	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Phenanthrene	ND	1.4	0.55	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Phenol	ND	2.8	0.65	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
Pyrene	ND	1.4	0.56	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
1,2,4,5-Tetrachlorobenzene	ND	2.8	0.57	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
2,4,5-Trichlorophenol	ND	2.8	0.54	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL
2,4,6-Trichlorophenol	ND	2.8	0.53	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 16:57	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	32.9	30-130	
Phenol-d6	33.7	30-130	
Nitrobenzene-d5	37.6	30-130	
2-Fluorobiphenyl	43.2	30-130	
2,4,6-Tribromophenol	41.6	30-130	
p-Terphenyl-d14	43.8	30-130	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-09-20230425

Sampled: 4/25/2023 15:00

Sample ID: 23D3156-09

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.66	0.17	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:13	JEA
Aroclor-1221 [1]	ND	0.66	0.35	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:13	JEA
Aroclor-1232 [1]	ND	0.66	0.21	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:13	JEA
Aroclor-1242 [1]	ND	0.66	0.20	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:13	JEA
Aroclor-1248 [1]	ND	0.66	0.17	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:13	JEA
Aroclor-1254 [1]	ND	0.66	0.20	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:13	JEA
Aroclor-1260 [1]	ND	0.66	0.18	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:13	JEA
Aroclor-1262 [1]	ND	0.66	0.20	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:13	JEA
Aroclor-1268 [1]	ND	0.66	0.22	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:13	JEA
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.1		30-150					4/30/23 13:13	
Decachlorobiphenyl [2]		84.1		30-150					4/30/23 13:13	
Tetrachloro-m-xylene [1]		75.2		30-150					4/30/23 13:13	
Tetrachloro-m-xylene [2]		86.6		30-150					4/30/23 13:13	



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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-09-20230425

Sampled: 4/25/2023 15:00

Sample ID: 23D3156-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	1800	130	95	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:11	NC
Antimony	ND	13	2.7	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:11	NC
Arsenic	5.0	26	4.4	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:11	NC
Barium	120	13	2.0	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:11	NC
Beryllium	ND	1.3	0.39	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:11	NC
Cadmium	ND	2.6	0.86	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:11	NC
Calcium	21000	130	23	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:11	NC
Chromium	4.1	5.2	1.9	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:11	NC
Cobalt	4.5	13	1.9	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:11	NC
Copper	13	5.2	1.1	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:11	NC
Iron	67000	2600	1700	mg/Kg dry	20		SW-846 6010D	4/27/23	5/6/23 21:12	NC
Lead	8.3	3.9	2.2	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:11	NC
Magnesium	1900	130	20	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:11	NC
Manganese	590	2.6	1.4	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:11	NC
Mercury	ND	0.21	0.089	mg/Kg dry	1		SW-846 7471B	4/28/23	5/9/23 13:07	AAJ
Nickel	4.3	5.2	2.1	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:11	NC
Potassium	ND	1300	240	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:11	NC
Selenium	ND	26	5.6	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 16:59	MJH
Silver	ND	2.6	0.87	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 16:59	MJH
Sodium	920	1300	230	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:11	NC
Thallium	ND	13	4.5	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:11	NC
Vanadium	7.5	5.2	1.6	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:11	NC
Zinc	58	5.2	1.8	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:11	NC

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-09-20230425

Sampled: 4/25/2023 15:00

Sample ID: 23D3156-09

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	12.1			% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC
pH @18.8°C	6.4			pH Units	1	H-03	SW-846 9045C	5/1/23	5/1/23 17:30	JEC
Total Organic Carbon	96000	100	65	mg/Kg	1		Lloyd Kahn Method	5/3/23	5/3/23 11:44	QH

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-10-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3156-10

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.043	0.25	0.022	mg/Kg dry	1	J	SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Benzene	ND	0.0049	0.0014	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Bromochloromethane	ND	0.0049	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Bromodichloromethane	ND	0.0049	0.0013	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Bromoform	ND	0.0049	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Bromomethane	ND	0.025	0.0042	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
2-Butanone (MEK)	ND	0.098	0.015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Carbon Disulfide	ND	0.025	0.020	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Carbon Tetrachloride	ND	0.0049	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Chlorobenzene	ND	0.0049	0.0014	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Chlorodibromomethane	ND	0.0025	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Chloroethane	ND	0.049	0.0027	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Chloroform	ND	0.0098	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Chloromethane	ND	0.025	0.0024	mg/Kg dry	1	V-05	SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Cyclohexane	ND	0.025	0.010	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0049	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
1,2-Dibromoethane (EDB)	ND	0.0025	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
1,2-Dichlorobenzene	ND	0.0049	0.0013	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
1,3-Dichlorobenzene	ND	0.0049	0.0014	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
1,4-Dichlorobenzene	ND	0.0049	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.049	0.0025	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
1,1-Dichloroethane	ND	0.0049	0.0017	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
1,2-Dichloroethane	ND	0.0049	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
1,1-Dichloroethylene	ND	0.0098	0.0020	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
cis-1,2-Dichloroethylene	ND	0.0049	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
trans-1,2-Dichloroethylene	ND	0.0049	0.0018	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
1,2-Dichloropropane	ND	0.0049	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
cis-1,3-Dichloropropene	ND	0.0025	0.0014	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
trans-1,3-Dichloropropene	ND	0.0025	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
1,4-Dioxane	ND	0.25	0.11	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Ethylbenzene	ND	0.0049	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
2-Hexanone (MBK)	ND	0.049	0.012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Isopropylbenzene (Cumene)	ND	0.0049	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Methyl Acetate	ND	0.0049	0.0035	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0098	0.0016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Methyl Cyclohexane	ND	0.0049	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Methylene Chloride	ND	0.049	0.0024	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.049	0.011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Styrene	ND	0.0049	0.0012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
1,1,2,2-Tetrachloroethane	ND	0.0025	0.0014	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Tetrachloroethylene	ND	0.0049	0.0021	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
Toluene	ND	0.0049	0.0017	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
1,2,3-Trichlorobenzene	ND	0.0049	0.0014	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF
1,2,4-Trichlorobenzene	ND	0.0049	0.0015	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-10-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3156-10

Sample Matrix: Soil

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0049	0.0019	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MF
1,1,2-Trichloroethane	ND	0.0049	0.0013	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MF
Trichloroethylene	ND	0.0049	0.0020	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MF
Trichlorofluoromethane (Freon 11)	ND	0.025	0.0018	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.025	0.0021	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MF
Vinyl Chloride	ND	0.025	0.0018	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MF
Xylenes (total)	ND	0.0049	0.0049	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 15:53	MF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		118	70-130						4/27/23 15:53	
Toluene-d8		95.4	70-130						4/27/23 15:53	
4-Bromofluorobenzene		95.6	70-130						4/27/23 15:53	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-10-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3156-10

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	1.5	0.10	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Benzaldehyde	ND	0.74	0.071	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Biphenyl	ND	1.5	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Caprolactam	ND	0.74	0.10	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Acenaphthene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Acenaphthylene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Acetophenone	ND	0.74	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Anthracene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Benzo(a)anthracene	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Benzo(a)pyrene	ND	0.37	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Benzo(b)fluoranthene	ND	0.37	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Benzo(g,h,i)perylene	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Benzo(k)fluoranthene	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Bis(2-chloroethoxy)methane	ND	0.74	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Bis(2-chloroethyl)ether	ND	0.74	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Bis(2-chloroisopropyl)ether	ND	0.74	0.31	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.74	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
4-Bromophenylphenylether	ND	0.74	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Butylbenzylphthalate	ND	0.74	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Carbazole	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
4-Chloroaniline	ND	1.4	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
4-Chloro-3-methylphenol	ND	1.4	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
2-Chloronaphthalene	ND	0.74	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
2-Chlorophenol	ND	0.74	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
4-Chlorophenylphenylether	ND	0.74	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Chrysene	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Dibenz(a,h)anthracene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Dibenzofuran	ND	0.74	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Di-n-butylphthalate	ND	0.74	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
3,3-Dichlorobenzidine	ND	0.37	0.097	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
2,4-Dichlorophenol	ND	0.74	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Diethylphthalate	ND	0.74	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
2,4-Dimethylphenol	ND	0.74	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Dimethylphthalate	ND	0.74	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
4,6-Dinitro-2-methylphenol	ND	0.74	0.60	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
2,4-Dinitrophenol	ND	1.4	0.65	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
2,4-Dinitrotoluene	ND	0.74	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
2,6-Dinitrotoluene	ND	0.74	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Di-n-octylphthalate	ND	0.74	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Fluoranthene	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Fluorene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Hexachlorobenzene	ND	0.74	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Hexachlorobutadiene	ND	0.74	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Hexachlorocyclopentadiene	ND	0.74	0.48	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-10-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3156-10

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.74	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Indeno(1,2,3-cd)pyrene	ND	0.37	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Isophorone	ND	0.74	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
2-Methylnaphthalene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
2-Methylphenol	ND	0.74	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
3/4-Methylphenol	ND	0.74	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Naphthalene	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
2-Nitroaniline	ND	0.74	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
3-Nitroaniline	ND	0.74	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
4-Nitroaniline	ND	0.74	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Nitrobenzene	ND	0.74	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
2-Nitrophenol	ND	0.74	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
4-Nitrophenol	ND	1.4	0.31	mg/Kg dry	1	V-05	SW-846 8270E	4/27/23	5/5/23 17:21	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.74	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
N-Nitrosodi-n-propylamine	ND	0.74	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Pentachlorophenol	ND	0.74	0.33	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Phenanthrene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Phenol	ND	0.74	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
Pyrene	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.74	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
2,4,5-Trichlorophenol	ND	0.74	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL
2,4,6-Trichlorophenol	ND	0.74	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:21	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	46.0	30-130	
Phenol-d6	49.7	30-130	
Nitrobenzene-d5	50.2	30-130	
2-Fluorobiphenyl	66.0	30-130	
2,4,6-Tribromophenol	63.1	30-130	
p-Terphenyl-d14	68.7	30-130	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-10-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3156-10

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.17	0.044	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:30	JEA
Aroclor-1221 [1]	ND	0.17	0.090	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:30	JEA
Aroclor-1232 [1]	ND	0.17	0.055	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:30	JEA
Aroclor-1242 [1]	ND	0.17	0.051	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:30	JEA
Aroclor-1248 [1]	ND	0.17	0.043	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:30	JEA
Aroclor-1254 [1]	ND	0.17	0.051	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:30	JEA
Aroclor-1260 [1]	ND	0.17	0.045	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:30	JEA
Aroclor-1262 [1]	ND	0.17	0.050	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:30	JEA
Aroclor-1268 [1]	ND	0.17	0.056	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:30	JEA
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		84.7	30-150						4/30/23 13:30	
Decachlorobiphenyl [2]		90.5	30-150						4/30/23 13:30	
Tetrachloro-m-xylene [1]		84.9	30-150						4/30/23 13:30	
Tetrachloro-m-xylene [2]		97.6	30-150						4/30/23 13:30	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-10-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3156-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	11000	35	26	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:17	NC
Antimony	ND	3.5	0.73	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:17	NC
Arsenic	1.2	7.0	1.2	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:17	NC
Barium	42	3.5	0.54	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:17	NC
Beryllium	0.26	0.35	0.10	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:17	NC
Cadmium	0.25	0.70	0.23	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:17	NC
Calcium	8200	35	6.3	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:17	NC
Chromium	7.0	1.4	0.52	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:17	NC
Cobalt	1.8	3.5	0.52	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:17	NC
Copper	5.3	1.4	0.31	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:17	NC
Iron	11000	700	450	mg/Kg dry	20		SW-846 6010D	4/27/23	5/6/23 21:17	NC
Lead	14	1.1	0.58	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:17	NC
Magnesium	1200	35	5.5	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:17	NC
Manganese	110	0.70	0.38	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:17	NC
Mercury	0.024	0.055	0.024	mg/Kg dry	1	J	SW-846 7471B	4/28/23	5/9/23 13:08	AAJ
Nickel	4.3	1.4	0.57	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:17	NC
Potassium	210	350	64	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:17	NC
Selenium	ND	7.0	1.5	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 17:04	MJH
Silver	0.28	0.70	0.24	mg/Kg dry	1	J	SW-846 6010D	4/27/23	5/3/23 17:04	MJH
Sodium	250	350	63	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:17	NC
Thallium	ND	3.5	1.2	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:17	NC
Vanadium	18	1.4	0.44	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:17	NC
Zinc	34	1.4	0.48	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:17	NC



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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-10-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3156-10

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	46.0			% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC
pH @17.8°C	7.4			pH Units	1	H-03	SW-846 9045C	5/1/23	5/1/23 17:30	JEC
Total Organic Carbon	52000	100	65	mg/Kg	1		Lloyd Kahn Method	5/3/23	5/3/23 12:40	QH

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-11-20230425

Sampled: 4/25/2023 16:20

Sample ID: 23D3156-11

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.44	1.5	0.14	mg/Kg dry	1	J	SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Benzene	ND	0.030	0.0088	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Bromochloromethane	ND	0.030	0.012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Bromodichloromethane	ND	0.030	0.0079	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Bromoform	ND	0.030	0.0092	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Bromomethane	ND	0.15	0.026	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
2-Butanone (MEK)	ND	0.60	0.094	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Carbon Disulfide	ND	0.15	0.12	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Carbon Tetrachloride	ND	0.030	0.012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Chlorobenzene	ND	0.030	0.0084	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Chlorodibromomethane	ND	0.015	0.0095	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Chloroethane	ND	0.30	0.017	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Chloroform	ND	0.060	0.0094	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Chloromethane	ND	0.15	0.015	mg/Kg dry	1	V-05	SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Cyclohexane	ND	0.15	0.061	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.030	0.012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
1,2-Dibromoethane (EDB)	ND	0.015	0.012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
1,2-Dichlorobenzene	ND	0.030	0.0080	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
1,3-Dichlorobenzene	ND	0.030	0.0083	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
1,4-Dichlorobenzene	ND	0.030	0.0091	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.30	0.016	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
1,1-Dichloroethane	ND	0.030	0.010	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
1,2-Dichloroethane	ND	0.030	0.010	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
1,1-Dichloroethylene	ND	0.060	0.012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
cis-1,2-Dichloroethylene	ND	0.030	0.0096	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
trans-1,2-Dichloroethylene	ND	0.030	0.011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
1,2-Dichloropropane	ND	0.030	0.0093	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
cis-1,3-Dichloropropene	ND	0.015	0.0084	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
trans-1,3-Dichloropropene	ND	0.015	0.0092	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
1,4-Dioxane	ND	1.5	0.69	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Ethylbenzene	ND	0.030	0.0090	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
2-Hexanone (MBK)	ND	0.30	0.076	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Isopropylbenzene (Cumene)	ND	0.030	0.0094	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Methyl Acetate	ND	0.030	0.022	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.060	0.010	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Methyl Cyclohexane	ND	0.030	0.012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Methylene Chloride	ND	0.30	0.014	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.30	0.067	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Styrene	ND	0.030	0.0074	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.015	0.0083	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Tetrachloroethylene	ND	0.030	0.013	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Toluene	ND	0.030	0.010	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
1,2,3-Trichlorobenzene	ND	0.030	0.0085	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
1,2,4-Trichlorobenzene	ND	0.030	0.0091	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-11-20230425

Sampled: 4/25/2023 16:20

Sample ID: 23D3156-11

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.030	0.012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
1,1,2-Trichloroethane	ND	0.030	0.0080	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Trichloroethylene	ND	0.030	0.012	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Trichlorofluoromethane (Freon 11)	ND	0.15	0.011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.15	0.013	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Vinyl Chloride	ND	0.15	0.011	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Xylenes (total)	ND	0.030	0.030	mg/Kg dry	1		SW-846 8260D	4/27/23	4/27/23 16:19	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		121	70-130						4/27/23 16:19	
Toluene-d8		95.7	70-130						4/27/23 16:19	
4-Bromofluorobenzene		95.8	70-130						4/27/23 16:19	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-11-20230425

Sampled: 4/25/2023 16:20

Sample ID: 23D3156-11

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	6.0	0.42	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Benzaldehyde	0.60	3.0	0.29	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Biphenyl	ND	6.0	0.48	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Caprolactam	ND	3.0	0.43	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Acenaphthene	ND	1.5	0.58	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Acenaphthylene	ND	1.5	0.60	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Acetophenone	ND	3.0	0.60	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Anthracene	ND	1.5	0.59	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Benzo(a)anthracene	ND	1.5	0.55	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Benzo(a)pyrene	ND	1.5	0.50	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Benzo(b)fluoranthene	ND	1.5	0.51	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Benzo(g,h,i)perylene	ND	1.5	0.64	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Benzo(k)fluoranthene	ND	1.5	0.55	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Bis(2-chloroethoxy)methane	ND	3.0	0.60	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Bis(2-chloroethyl)ether	ND	3.0	0.64	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Bis(2-chloroisopropyl)ether	ND	3.0	1.3	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Bis(2-Ethylhexyl)phthalate	ND	3.0	0.62	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
4-Bromophenylphenylether	ND	3.0	0.63	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Butylbenzylphthalate	0.61	3.0	0.57	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Carbazole	ND	1.5	0.59	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
4-Chloroaniline	ND	5.9	0.54	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
4-Chloro-3-methylphenol	ND	5.9	0.60	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
2-Chloronaphthalene	ND	3.0	0.54	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
2-Chlorophenol	ND	3.0	0.61	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
4-Chlorophenylphenylether	ND	3.0	0.59	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Chrysene	ND	1.5	0.55	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Dibenz(a,h)anthracene	ND	1.5	0.59	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Dibenzofuran	ND	3.0	0.60	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Di-n-butylphthalate	ND	3.0	0.55	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
3,3-Dichlorobenzidine	ND	1.5	0.40	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
2,4-Dichlorophenol	ND	3.0	0.59	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Diethylphthalate	ND	3.0	0.59	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
2,4-Dimethylphenol	ND	3.0	0.79	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Dimethylphthalate	ND	3.0	0.63	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
4,6-Dinitro-2-methylphenol	ND	3.0	2.5	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
2,4-Dinitrophenol	ND	5.9	2.7	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
2,4-Dinitrotoluene	ND	3.0	0.61	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
2,6-Dinitrotoluene	ND	3.0	0.69	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Di-n-octylphthalate	ND	3.0	0.60	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Fluoranthene	ND	1.5	0.54	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Fluorene	ND	1.5	0.59	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Hexachlorobenzene	ND	3.0	0.63	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Hexachlorobutadiene	ND	3.0	0.61	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Hexachlorocyclopentadiene	ND	3.0	2.0	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-11-20230425

Sampled: 4/25/2023 16:20

Sample ID: 23D3156-11

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	3.0	0.59	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Indeno(1,2,3-cd)pyrene	ND	1.5	0.67	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Isophorone	ND	3.0	0.62	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
2-Methylnaphthalene	ND	1.5	0.60	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
2-Methylphenol	ND	3.0	0.61	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
3/4-Methylphenol	ND	3.0	0.66	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Naphthalene	ND	1.5	0.61	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
2-Nitroaniline	ND	3.0	0.61	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
3-Nitroaniline	ND	3.0	0.72	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
4-Nitroaniline	ND	3.0	0.51	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Nitrobenzene	ND	3.0	0.66	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
2-Nitrophenol	ND	3.0	0.63	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
4-Nitrophenol	ND	5.9	1.3	mg/Kg dry	1	V-05	SW-846 8270E	4/27/23	5/5/23 17:45	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	3.0	0.61	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
N-Nitrosodi-n-propylamine	ND	3.0	0.66	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Pentachlorophenol	ND	3.0	1.4	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Phenanthrene	ND	1.5	0.59	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Phenol	ND	3.0	0.71	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Pyrene	ND	1.5	0.61	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
1,2,4,5-Tetrachlorobenzene	ND	3.0	0.62	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
2,4,5-Trichlorophenol	ND	3.0	0.59	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
2,4,6-Trichlorophenol	ND	3.0	0.58	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 17:45	BGL
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
2-Fluorophenol		41.5	30-130						5/5/23 17:45	
Phenol-d6		42.6	30-130						5/5/23 17:45	
Nitrobenzene-d5		48.3	30-130						5/5/23 17:45	
2-Fluorobiphenyl		56.8	30-130						5/5/23 17:45	
2,4,6-Tribromophenol		50.2	30-130						5/5/23 17:45	
p-Terphenyl-d14		58.1	30-130						5/5/23 17:45	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-11-20230425

Sampled: 4/25/2023 16:20

Sample ID: 23D3156-11

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.72	0.19	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:47	JEA
Aroclor-1221 [1]	ND	0.72	0.38	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:47	JEA
Aroclor-1232 [1]	ND	0.72	0.23	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:47	JEA
Aroclor-1242 [1]	ND	0.72	0.22	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:47	JEA
Aroclor-1248 [1]	ND	0.72	0.18	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:47	JEA
Aroclor-1254 [1]	ND	0.72	0.22	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:47	JEA
Aroclor-1260 [1]	ND	0.72	0.19	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:47	JEA
Aroclor-1262 [1]	ND	0.72	0.21	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:47	JEA
Aroclor-1268 [1]	ND	0.72	0.24	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 13:47	JEA
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		51.7		30-150					4/30/23 13:47	
Decachlorobiphenyl [2]		56.2		30-150					4/30/23 13:47	
Tetrachloro-m-xylene [1]		40.5		30-150					4/30/23 13:47	
Tetrachloro-m-xylene [2]		47.0		30-150					4/30/23 13:47	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-11-20230425

Sampled: 4/25/2023 16:20

Sample ID: 23D3156-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	510	140	100	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:33	NC
Antimony	ND	14	3.0	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:33	NC
Arsenic	ND	29	4.8	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:33	NC
Barium	39	14	2.2	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:33	NC
Beryllium	ND	1.4	0.43	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:33	NC
Cadmium	ND	2.9	0.96	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:33	NC
Calcium	28000	140	26	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:33	NC
Chromium	ND	5.8	2.1	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:33	NC
Cobalt	ND	14	2.1	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:33	NC
Copper	9.1	5.8	1.3	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:33	NC
Iron	2800	2900	1800	mg/Kg dry	20	J	SW-846 6010D	4/27/23	5/6/23 21:23	NC
Lead	4.8	4.3	2.4	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:33	NC
Magnesium	1900	140	22	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:33	NC
Manganese	110	2.9	1.5	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:33	NC
Mercury	ND	0.22	0.094	mg/Kg dry	1		SW-846 7471B	4/27/23	5/5/23 10:23	AAJ
Nickel	2.5	5.8	2.3	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:33	NC
Potassium	320	1400	260	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:33	NC
Selenium	ND	29	6.2	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 17:09	MJH
Silver	ND	2.9	0.96	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 17:09	MJH
Sodium	1000	1400	260	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:33	NC
Thallium	ND	14	5.0	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:33	NC
Vanadium	5.1	5.8	1.8	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:33	NC
Zinc	50	5.8	2.0	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:33	NC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-11-20230425

Sampled: 4/25/2023 16:20

Sample ID: 23D3156-11

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	11.2			% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC
pH @17.7°C	7.2			pH Units	1	H-03	SW-846 9045C	5/1/23	5/1/23 17:30	JEC
Total Organic Carbon	120000	100	65	mg/Kg	1		Lloyd Kahn Method	5/3/23	5/3/23 13:23	QH



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-13-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3156-12

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.029	0.24	0.022	mg/Kg dry	1	J	SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Benzene	ND	0.0048	0.0014	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Bromochloromethane	ND	0.0048	0.0019	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Bromodichloromethane	ND	0.0048	0.0012	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Bromoform	ND	0.0048	0.0015	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Bromomethane	ND	0.024	0.0041	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
2-Butanone (MEK)	ND	0.096	0.015	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Carbon Disulfide	ND	0.024	0.019	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Carbon Tetrachloride	ND	0.0048	0.0019	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Chlorobenzene	ND	0.0048	0.0013	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Chlorodibromomethane	ND	0.0024	0.0015	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Chloroethane	ND	0.048	0.0026	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Chloroform	ND	0.0096	0.0015	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Chloromethane	ND	0.024	0.0024	mg/Kg dry	1	L-04, V-05	SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Cyclohexane	ND	0.024	0.0097	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0048	0.0019	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
1,2-Dibromoethane (EDB)	ND	0.0024	0.0018	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
1,2-Dichlorobenzene	ND	0.0048	0.0013	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
1,3-Dichlorobenzene	ND	0.0048	0.0013	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
1,4-Dichlorobenzene	ND	0.0048	0.0014	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.048	0.0025	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
1,1-Dichloroethane	ND	0.0048	0.0016	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
1,2-Dichloroethane	ND	0.0048	0.0016	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
1,1-Dichloroethylene	ND	0.0096	0.0020	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
cis-1,2-Dichloroethylene	ND	0.0048	0.0015	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
trans-1,2-Dichloroethylene	ND	0.0048	0.0017	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
1,2-Dichloropropane	ND	0.0048	0.0015	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
cis-1,3-Dichloropropene	ND	0.0024	0.0013	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
trans-1,3-Dichloropropene	ND	0.0024	0.0015	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
1,4-Dioxane	ND	0.24	0.11	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Ethylbenzene	ND	0.0048	0.0014	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
2-Hexanone (MBK)	ND	0.048	0.012	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Isopropylbenzene (Cumene)	ND	0.0048	0.0015	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Methyl Acetate	ND	0.0048	0.0034	mg/Kg dry	1	L-04	SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0096	0.0016	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Methyl Cyclohexane	ND	0.0048	0.0019	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Methylene Chloride	ND	0.048	0.0023	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.048	0.011	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Styrene	ND	0.0048	0.0012	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
1,1,2,2-Tetrachloroethane	ND	0.0024	0.0013	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Tetrachloroethylene	ND	0.0048	0.0020	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
Toluene	ND	0.0048	0.0016	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
1,2,3-Trichlorobenzene	ND	0.0048	0.0014	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF
1,2,4-Trichlorobenzene	ND	0.0048	0.0014	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-13-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3156-12

Sample Matrix: Soil

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0048	0.0018	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MF
1,1,2-Trichloroethane	ND	0.0048	0.0013	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MF
Trichloroethylene	ND	0.0048	0.0019	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MF
Trichlorofluoromethane (Freon 11)	ND	0.024	0.0018	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.024	0.0021	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MF
Vinyl Chloride	ND	0.024	0.0018	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MF
Xylenes (total)	ND	0.0048	0.0048	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 7:57	MF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		104	70-130					4/28/23	7:57	
Toluene-d8		95.2	70-130					4/28/23	7:57	
4-Bromofluorobenzene		102	70-130					4/28/23	7:57	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-13-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3156-12

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	1.4	0.10	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Benzaldehyde	0.50	0.73	0.070	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Biphenyl	ND	1.4	0.11	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Caprolactam	ND	0.73	0.10	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Acenaphthene	ND	0.36	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Acenaphthylene	ND	0.36	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Acetophenone	ND	0.73	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Anthracene	ND	0.36	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Benzo(a)anthracene	ND	0.36	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Benzo(a)pyrene	ND	0.36	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Benzo(b)fluoranthene	ND	0.36	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Benzo(g,h,i)perylene	ND	0.36	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Benzo(k)fluoranthene	ND	0.36	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Bis(2-chloroethoxy)methane	ND	0.73	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Bis(2-chloroethyl)ether	ND	0.73	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Bis(2-chloroisopropyl)ether	ND	0.73	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.73	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
4-Bromophenylphenylether	ND	0.73	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Butylbenzylphthalate	ND	0.73	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Carbazole	ND	0.36	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
4-Chloroaniline	ND	1.4	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
4-Chloro-3-methylphenol	ND	1.4	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
2-Chloronaphthalene	ND	0.73	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
2-Chlorophenol	ND	0.73	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
4-Chlorophenylphenylether	ND	0.73	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Chrysene	ND	0.36	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Dibenz(a,h)anthracene	ND	0.36	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Dibenzofuran	ND	0.73	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Di-n-butylphthalate	ND	0.73	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
3,3-Dichlorobenzidine	ND	0.36	0.096	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
2,4-Dichlorophenol	ND	0.73	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Diethylphthalate	ND	0.73	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
2,4-Dimethylphenol	ND	0.73	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Dimethylphthalate	ND	0.73	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
4,6-Dinitro-2-methylphenol	ND	0.73	0.59	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
2,4-Dinitrophenol	ND	1.4	0.64	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
2,4-Dinitrotoluene	ND	0.73	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
2,6-Dinitrotoluene	ND	0.73	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Di-n-octylphthalate	ND	0.73	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Fluoranthene	ND	0.36	0.13	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Fluorene	ND	0.36	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Hexachlorobenzene	ND	0.73	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Hexachlorobutadiene	ND	0.73	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Hexachlorocyclopentadiene	ND	0.73	0.47	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-13-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3156-12

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.73	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Indeno(1,2,3-cd)pyrene	ND	0.36	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Isophorone	ND	0.73	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
2-Methylnaphthalene	ND	0.36	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
2-Methylphenol	ND	0.73	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
3/4-Methylphenol	ND	0.73	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Naphthalene	ND	0.36	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
2-Nitroaniline	ND	0.73	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
3-Nitroaniline	ND	0.73	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
4-Nitroaniline	ND	0.73	0.12	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Nitrobenzene	ND	0.73	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
2-Nitrophenol	ND	0.73	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
4-Nitrophenol	ND	1.4	0.30	mg/Kg dry	1	V-05	SW-846 8270E	4/27/23	5/5/23 18:09	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.73	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
N-Nitrosodi-n-propylamine	ND	0.73	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Pentachlorophenol	ND	0.73	0.33	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Phenanthrene	ND	0.36	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Phenol	ND	0.73	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
Pyrene	ND	0.36	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.73	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
2,4,5-Trichlorophenol	ND	0.73	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL
2,4,6-Trichlorophenol	ND	0.73	0.14	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:09	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	44.8	30-130	5/5/23 18:09
Phenol-d6	51.6	30-130	5/5/23 18:09
Nitrobenzene-d5	53.9	30-130	5/5/23 18:09
2-Fluorobiphenyl	71.0	30-130	5/5/23 18:09
2,4,6-Tribromophenol	60.3	30-130	5/5/23 18:09
p-Terphenyl-d14	76.6	30-130	5/5/23 18:09

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-13-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3156-12

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.17	0.044	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 14:04	JEA
Aroclor-1221 [1]	ND	0.17	0.091	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 14:04	JEA
Aroclor-1232 [1]	ND	0.17	0.055	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 14:04	JEA
Aroclor-1242 [1]	ND	0.17	0.051	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 14:04	JEA
Aroclor-1248 [1]	ND	0.17	0.043	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 14:04	JEA
Aroclor-1254 [1]	ND	0.17	0.051	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 14:04	JEA
Aroclor-1260 [1]	ND	0.17	0.045	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 14:04	JEA
Aroclor-1262 [1]	ND	0.17	0.051	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 14:04	JEA
Aroclor-1268 [1]	ND	0.17	0.056	mg/Kg dry	4		SW-846 8082A	4/27/23	4/30/23 14:04	JEA
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.1		30-150					4/30/23 14:04	
Decachlorobiphenyl [2]		95.1		30-150					4/30/23 14:04	
Tetrachloro-m-xylene [1]		84.0		30-150					4/30/23 14:04	
Tetrachloro-m-xylene [2]		97.1		30-150					4/30/23 14:04	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-13-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3156-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	5500	34	25	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:38	NC
Antimony	ND	3.4	0.70	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:38	NC
Arsenic	1.7	6.8	1.1	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:38	NC
Barium	180	3.4	0.52	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:38	NC
Beryllium	0.18	0.34	0.10	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:38	NC
Cadmium	0.46	0.68	0.23	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:38	NC
Calcium	39000	680	120	mg/Kg dry	20		SW-846 6010D	4/27/23	5/6/23 21:29	NC
Chromium	7.4	1.4	0.50	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:38	NC
Cobalt	3.3	3.4	0.50	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:38	NC
Copper	6.6	1.4	0.30	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:38	NC
Iron	16000	680	430	mg/Kg dry	20		SW-846 6010D	4/27/23	5/6/23 21:29	NC
Lead	13	1.0	0.56	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:38	NC
Magnesium	1200	34	5.3	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:38	NC
Manganese	3100	0.68	0.36	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:38	NC
Mercury	0.064	0.054	0.023	mg/Kg dry	1		SW-846 7471B	4/27/23	5/5/23 10:24	AAJ
Nickel	5.0	1.4	0.55	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:38	NC
Potassium	290	340	62	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:38	NC
Selenium	ND	6.8	1.5	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 17:15	MJH
Silver	ND	0.68	0.23	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 17:15	MJH
Sodium	230	340	61	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:38	NC
Thallium	ND	3.4	1.2	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:38	NC
Vanadium	12	1.4	0.43	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:38	NC
Zinc	96	1.4	0.47	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:38	NC

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-13-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3156-12

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	46.7			% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC
pH @18.8°C	7.4			pH Units	1	H-03	SW-846 9045C	5/1/23	5/1/23 17:30	JEC
Total Organic Carbon	35000	100	65	mg/Kg	1	Z-01	Lloyd Kahn Method	5/5/23	5/5/23 11:58	IS

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-DUP-20230425

Sampled: 4/25/2023 00:00

Sample ID: 23D3156-13

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.31	0.028	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Benzene	ND	0.0063	0.0018	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Bromochloromethane	ND	0.0063	0.0025	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Bromodichloromethane	ND	0.0063	0.0016	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Bromoform	ND	0.0063	0.0019	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Bromomethane	ND	0.031	0.0054	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
2-Butanone (MEK)	ND	0.13	0.020	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Carbon Disulfide	ND	0.031	0.025	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Carbon Tetrachloride	ND	0.0063	0.0025	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Chlorobenzene	ND	0.0063	0.0018	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Chlorodibromomethane	ND	0.0031	0.0020	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Chloroethane	ND	0.063	0.0035	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Chloroform	ND	0.013	0.0020	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Chloromethane	ND	0.031	0.0031	mg/Kg dry	1	L-04, V-05	SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Cyclohexane	ND	0.031	0.013	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0063	0.0025	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
1,2-Dibromoethane (EDB)	ND	0.0031	0.0024	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
1,2-Dichlorobenzene	ND	0.0063	0.0017	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
1,3-Dichlorobenzene	ND	0.0063	0.0017	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
1,4-Dichlorobenzene	ND	0.0063	0.0019	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.063	0.0033	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
1,1-Dichloroethane	ND	0.0063	0.0022	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
1,2-Dichloroethane	ND	0.0063	0.0021	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
1,1-Dichloroethylene	ND	0.013	0.0026	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
cis-1,2-Dichloroethylene	ND	0.0063	0.0020	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
trans-1,2-Dichloroethylene	ND	0.0063	0.0023	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
1,2-Dichloropropane	ND	0.0063	0.0020	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
cis-1,3-Dichloropropene	ND	0.0031	0.0018	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
trans-1,3-Dichloropropene	ND	0.0031	0.0019	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
1,4-Dioxane	ND	0.31	0.14	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Ethylbenzene	ND	0.0063	0.0019	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
2-Hexanone (MBK)	ND	0.063	0.016	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Isopropylbenzene (Cumene)	ND	0.0063	0.0020	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Methyl Acetate	ND	0.0063	0.0045	mg/Kg dry	1	L-04	SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.013	0.0021	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Methyl Cyclohexane	ND	0.0063	0.0024	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Methylene Chloride	ND	0.063	0.0030	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.063	0.014	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Styrene	ND	0.0063	0.0016	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
1,1,2,2-Tetrachloroethane	ND	0.0031	0.0017	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Tetrachloroethylene	ND	0.0063	0.0026	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
Toluene	ND	0.0063	0.0021	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
1,2,3-Trichlorobenzene	ND	0.0063	0.0018	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF
1,2,4-Trichlorobenzene	ND	0.0063	0.0019	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MFF



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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-DUP-20230425

Sampled: 4/25/2023 00:00

Sample ID: 23D3156-13

Sample Matrix: Soil

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.0063	0.0024	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MF
1,1,2-Trichloroethane	ND	0.0063	0.0017	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MF
Trichloroethylene	ND	0.0063	0.0025	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MF
Trichlorofluoromethane (Freon 11)	ND	0.031	0.0023	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.031	0.0027	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MF
Vinyl Chloride	ND	0.031	0.0023	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MF
Xylenes (total)	ND	0.0063	0.0063	mg/Kg dry	1		SW-846 8260D	4/28/23	4/28/23 8:22	MF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		102	70-130					4/28/23	8:22	
Toluene-d8		98.3	70-130					4/28/23	8:22	
4-Bromofluorobenzene		100	70-130					4/28/23	8:22	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-DUP-20230425

Sampled: 4/25/2023 00:00

Sample ID: 23D3156-13

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	2.3	0.16	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Benzaldehyde	0.21	1.2	0.11	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Biphenyl	ND	2.3	0.18	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Caprolactam	ND	1.2	0.17	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Acenaphthene	0.77	0.58	0.22	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Acenaphthylene	ND	0.58	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Acetophenone	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Anthracene	1.8	0.58	0.22	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Benzo(a)anthracene	5.3	0.58	0.21	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Benzo(a)pyrene	4.9	0.58	0.19	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Benzo(b)fluoranthene	5.6	0.58	0.20	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Benzo(g,h,i)perylene	3.9	0.58	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Benzo(k)fluoranthene	2.3	0.58	0.21	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Bis(2-chloroethoxy)methane	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Bis(2-chloroethyl)ether	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Bis(2-chloroisopropyl)ether	ND	1.2	0.49	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Bis(2-Ethylhexyl)phthalate	0.55	1.2	0.24	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/5/23 18:33	BGL
4-Bromophenylphenylether	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Butylbenzylphthalate	0.32	1.2	0.22	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Carbazole	1.1	0.58	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
4-Chloroaniline	ND	2.3	0.21	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
4-Chloro-3-methylphenol	ND	2.3	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
2-Chloronaphthalene	ND	1.2	0.21	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
2-Chlorophenol	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
4-Chlorophenylphenylether	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Chrysene	5.0	0.58	0.21	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Dibenz(a,h)anthracene	0.87	0.58	0.22	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Dibenzofuran	0.42	1.2	0.23	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Di-n-butylphthalate	ND	1.2	0.21	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
3,3-Dichlorobenzidine	ND	0.58	0.15	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
2,4-Dichlorophenol	ND	1.2	0.22	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Diethylphthalate	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
2,4-Dimethylphenol	ND	1.2	0.30	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Dimethylphthalate	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
4,6-Dinitro-2-methylphenol	ND	1.2	0.95	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
2,4-Dinitrophenol	ND	2.3	1.0	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
2,4-Dinitrotoluene	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
2,6-Dinitrotoluene	ND	1.2	0.26	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Di-n-octylphthalate	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Fluoranthene	13	0.58	0.21	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Fluorene	0.81	0.58	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Hexachlorobenzene	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Hexachlorobutadiene	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Hexachlorocyclopentadiene	ND	1.2	0.76	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-DUP-20230425

Sampled: 4/25/2023 00:00

Sample ID: 23D3156-13

Sample Matrix: Soil

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Indeno(1,2,3-cd)pyrene	3.9	0.58	0.25	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Isophorone	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
2-Methylnaphthalene	ND	0.58	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
2-Methylphenol	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
3/4-Methylphenol	ND	1.2	0.25	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Naphthalene	0.35	0.58	0.23	mg/Kg dry	1	J	SW-846 8270E	4/27/23	5/5/23 18:33	BGL
2-Nitroaniline	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
3-Nitroaniline	ND	1.2	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
4-Nitroaniline	ND	1.2	0.20	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Nitrobenzene	ND	1.2	0.25	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
2-Nitrophenol	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
4-Nitrophenol	ND	2.3	0.49	mg/Kg dry	1	V-05	SW-846 8270E	4/27/23	5/5/23 18:33	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
N-Nitrosodi-n-propylamine	ND	1.2	0.25	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Pentachlorophenol	ND	1.2	0.52	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Phenanthrene	8.0	0.58	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Phenol	ND	1.2	0.27	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Pyrene	9.6	0.58	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.2	0.24	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
2,4,5-Trichlorophenol	ND	1.2	0.23	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
2,4,6-Trichlorophenol	ND	1.2	0.22	mg/Kg dry	1		SW-846 8270E	4/27/23	5/5/23 18:33	BGL
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
2-Fluorophenol		40.4	30-130						5/5/23 18:33	
Phenol-d6		40.1	30-130						5/5/23 18:33	
Nitrobenzene-d5		46.2	30-130						5/5/23 18:33	
2-Fluorobiphenyl		52.4	30-130						5/5/23 18:33	
2,4,6-Tribromophenol		50.0	30-130						5/5/23 18:33	
p-Terphenyl-d14		59.9	30-130						5/5/23 18:33	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-DUP-20230425

Sampled: 4/25/2023 00:00

Sample ID: 23D3156-13

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.27	0.070	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 12:13	SFM
Aroclor-1221 [1]	ND	0.27	0.15	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 12:13	SFM
Aroclor-1232 [1]	ND	0.27	0.088	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 12:13	SFM
Aroclor-1242 [1]	ND	0.27	0.082	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 12:13	SFM
Aroclor-1248 [1]	ND	0.27	0.069	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 12:13	SFM
Aroclor-1254 [1]	ND	0.27	0.082	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 12:13	SFM
Aroclor-1260 [1]	0.12	0.27	0.073	mg/Kg dry	4	J	SW-846 8082A	4/27/23	5/4/23 12:13	SFM
Aroclor-1262 [1]	ND	0.27	0.081	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 12:13	SFM
Aroclor-1268 [1]	ND	0.27	0.090	mg/Kg dry	4		SW-846 8082A	4/27/23	5/4/23 12:13	SFM
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.0		30-150					5/4/23 12:13	
Decachlorobiphenyl [2]		118		30-150					5/4/23 12:13	
Tetrachloro-m-xylene [1]		90.0		30-150					5/4/23 12:13	
Tetrachloro-m-xylene [2]		87.3		30-150					5/4/23 12:13	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-DUP-20230425

Sampled: 4/25/2023 00:00

Sample ID: 23D3156-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	5500	54	39	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:43	NC
Antimony	ND	5.4	1.1	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:43	NC
Arsenic	4.7	11	1.8	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:43	NC
Barium	190	5.4	0.83	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:43	NC
Beryllium	0.25	0.54	0.16	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:43	NC
Cadmium	4.5	1.1	0.36	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:43	NC
Calcium	21000	54	9.7	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:43	NC
Chromium	20	2.2	0.80	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:43	NC
Cobalt	5.1	5.4	0.79	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:43	NC
Copper	130	2.2	0.47	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:43	NC
Iron	49000	1100	690	mg/Kg dry	20		SW-846 6010D	4/27/23	5/6/23 21:36	NC
Lead	850	1.6	0.89	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:43	NC
Magnesium	2200	54	8.4	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 17:25	MJH
Manganese	870	1.1	0.58	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:43	NC
Mercury	0.58	0.083	0.036	mg/Kg dry	1		SW-846 7471B	4/27/23	5/5/23 10:26	AAJ
Nickel	20	2.2	0.87	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:43	NC
Potassium	550	540	98	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:43	NC
Selenium	ND	11	2.3	mg/Kg dry	1		SW-846 6010D	4/27/23	5/3/23 17:25	MJH
Silver	0.65	1.1	0.36	mg/Kg dry	1	J	SW-846 6010D	4/27/23	5/3/23 17:25	MJH
Sodium	440	540	96	mg/Kg dry	1	J	SW-846 6010D	4/27/23	4/29/23 0:43	NC
Thallium	ND	5.4	1.9	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:43	NC
Vanadium	21	2.2	0.68	mg/Kg dry	1		SW-846 6010D	4/27/23	4/29/23 0:43	NC
Zinc	1700	4.3	1.5	mg/Kg dry	2		SW-846 6010D	4/27/23	5/3/23 17:19	MJH

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3156

Date Received: 4/26/2023

Field Sample #: SED-DUP-20230425

Sampled: 4/25/2023 00:00

Sample ID: 23D3156-13

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	29.1			% Wt	1		SM 2540G	4/27/23	4/27/23 5:43	WDC
pH @17.5°C	7.1			pH Units	1	H-03	SW-846 9045C	5/1/23	5/1/23 17:30	JEC
Total Organic Carbon	86000	100	65	mg/Kg	1		Lloyd Kahn Method	5/8/23	5/8/23 7:50	QH

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**Sample Extraction Data**
**Lloyd Kahn Method**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23D3156-01 [SED-01A-20230425]	B338705	1.00	1.00	04/28/23
23D3156-02 [SED-02A-20230425]	B338705	1.00	1.00	04/28/23
23D3156-03 [SED-03A-20230425]	B338705	1.00	1.00	04/28/23
23D3156-04 [SED-04A-20230425]	B338705	1.00	1.00	04/28/23

**Lloyd Kahn Method**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23D3156-05 [SED-05-20230425]	B338860	1.00	1.00	05/02/23

**Lloyd Kahn Method**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23D3156-06 [SED-06-20230425]	B339022	1.00	1.00	05/03/23
23D3156-07 [SED-07-20230425]	B339022	1.00	1.00	05/03/23
23D3156-08 [SED-08-20230425]	B339022	1.00	1.00	05/03/23
23D3156-09 [SED-09-20230425]	B339022	1.00	1.00	05/03/23
23D3156-10 [SED-10-20230425]	B339022	1.00	1.00	05/03/23
23D3156-11 [SED-11-20230425]	B339022	1.00	1.00	05/03/23

**Lloyd Kahn Method**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23D3156-12 [SED-13-20230425]	B339349	1.00	1.00	05/05/23

**Lloyd Kahn Method**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23D3156-13 [SED-DUP-20230425]	B339501	1.00	1.00	05/08/23

**Prep Method: % Solids    Analytical Method: SM 2540G**

Lab Number [Field ID]	Batch	Date
23D3156-01 [SED-01A-20230425]	B338436	04/27/23
23D3156-02 [SED-02A-20230425]	B338436	04/27/23
23D3156-03 [SED-03A-20230425]	B338436	04/27/23
23D3156-04 [SED-04A-20230425]	B338436	04/27/23
23D3156-05 [SED-05-20230425]	B338436	04/27/23
23D3156-06 [SED-06-20230425]	B338436	04/27/23
23D3156-07 [SED-07-20230425]	B338436	04/27/23
23D3156-08 [SED-08-20230425]	B338436	04/27/23
23D3156-09 [SED-09-20230425]	B338436	04/27/23
23D3156-10 [SED-10-20230425]	B338436	04/27/23
23D3156-11 [SED-11-20230425]	B338436	04/27/23
23D3156-12 [SED-13-20230425]	B338436	04/27/23
23D3156-13 [SED-DUP-20230425]	B338436	04/27/23

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**Sample Extraction Data**
**Prep Method: SW-846 3050B    Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23D3156-01 [SED-01A-20230425]	B338466	1.52	50.0	04/27/23
23D3156-02 [SED-02A-20230425]	B338466	1.60	50.0	04/27/23
23D3156-03 [SED-03A-20230425]	B338466	1.54	50.0	04/27/23
23D3156-04 [SED-04A-20230425]	B338466	1.58	50.0	04/27/23
23D3156-05 [SED-05-20230425]	B338466	1.55	50.0	04/27/23
23D3156-06 [SED-06-20230425]	B338466	1.55	50.0	04/27/23
23D3156-07 [SED-07-20230425]	B338466	1.59	50.0	04/27/23
23D3156-08 [SED-08-20230425]	B338466	1.58	50.0	04/27/23
23D3156-09 [SED-09-20230425]	B338466	1.59	50.0	04/27/23
23D3156-10 [SED-10-20230425]	B338466	1.54	50.0	04/27/23
23D3156-11 [SED-11-20230425]	B338466	1.56	50.0	04/27/23
23D3156-12 [SED-13-20230425]	B338466	1.57	50.0	04/27/23
23D3156-13 [SED-DUP-20230425]	B338466	1.59	50.0	04/27/23

**Prep Method: SW-846 7471    Analytical Method: SW-846 7471B**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23D3156-11 [SED-11-20230425]	B338549	0.616	50.0	04/27/23
23D3156-12 [SED-13-20230425]	B338549	0.596	50.0	04/27/23
23D3156-13 [SED-DUP-20230425]	B338549	0.620	50.0	04/27/23

**Prep Method: SW-846 7471    Analytical Method: SW-846 7471B**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23D3156-01 [SED-01A-20230425]	B338642	0.615	50.0	04/28/23
23D3156-02 [SED-02A-20230425]	B338642	0.596	50.0	04/28/23
23D3156-03 [SED-03A-20230425]	B338642	0.590	50.0	04/28/23
23D3156-04 [SED-04A-20230425]	B338642	0.584	50.0	04/28/23
23D3156-05 [SED-05-20230425]	B338642	0.588	50.0	04/28/23
23D3156-06 [SED-06-20230425]	B338642	0.590	50.0	04/28/23
23D3156-07 [SED-07-20230425]	B338642	0.582	50.0	04/28/23
23D3156-08 [SED-08-20230425]	B338642	0.583	50.0	04/28/23
23D3156-09 [SED-09-20230425]	B338642	0.603	50.0	04/28/23
23D3156-10 [SED-10-20230425]	B338642	0.594	50.0	04/28/23

**Prep Method: SW-846 3546    Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23D3156-01 [SED-01A-20230425]	B338593	10.2	10.0	04/27/23
23D3156-02 [SED-02A-20230425]	B338593	10.3	10.0	04/27/23
23D3156-03 [SED-03A-20230425]	B338593	10.1	10.0	04/27/23
23D3156-04 [SED-04A-20230425]	B338593	10.0	10.0	04/27/23
23D3156-05 [SED-05-20230425]	B338593	10.3	10.0	04/27/23
23D3156-06 [SED-06-20230425]	B338593	10.4	10.0	04/27/23
23D3156-07 [SED-07-20230425]	B338593	10.0	10.0	04/27/23
23D3156-08 [SED-08-20230425]	B338593	10.4	10.0	04/27/23
23D3156-09 [SED-09-20230425]	B338593	10.1	10.0	04/27/23
23D3156-10 [SED-10-20230425]	B338593	10.3	10.0	04/27/23
23D3156-11 [SED-11-20230425]	B338593	10.0	10.0	04/27/23
23D3156-12 [SED-13-20230425]	B338593	10.1	10.0	04/27/23
23D3156-13 [SED-DUP-20230425]	B338593	10.1	10.0	04/27/23



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**Sample Extraction Data**
**Prep Method: SW-846 5035 Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23D3156-01 [SED-01A-20230425]	B338491	4.25	10.0	04/27/23
23D3156-02 [SED-02A-20230425]	B338491	4.61	10.0	04/27/23
23D3156-03 [SED-03A-20230425]	B338491	1.81	10.0	04/27/23
23D3156-04 [SED-04A-20230425]	B338491	3.71	10.0	04/27/23
23D3156-05 [SED-05-20230425]	B338491	4.42	10.0	04/27/23
23D3156-06 [SED-06-20230425]	B338491	4.22	10.0	04/27/23
23D3156-07 [SED-07-20230425]	B338491	5.33	10.0	04/27/23
23D3156-08 [SED-08-20230425]	B338491	4.97	10.0	04/27/23
23D3156-10 [SED-10-20230425]	B338491	4.43	10.0	04/27/23
23D3156-11 [SED-11-20230425]	B338491	2.98	10.0	04/27/23

**Prep Method: SW-846 5035 Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
23D3156-09 [SED-09-20230425]	B338604	3.96	8.48	1	50	04/28/23

**Prep Method: SW-846 5035 Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23D3156-12 [SED-13-20230425]	B338640	4.48	10.0	04/28/23
23D3156-13 [SED-DUP-20230425]	B338640	5.45	10.0	04/28/23

**Prep Method: SW-846 3546 Analytical Method: SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23D3156-01 [SED-01A-20230425]	B338503	30.0	1.00	04/27/23
23D3156-02 [SED-02A-20230425]	B338503	30.0	1.00	04/27/23
23D3156-03 [SED-03A-20230425]	B338503	30.0	1.00	04/27/23
23D3156-04 [SED-04A-20230425]	B338503	30.0	1.00	04/27/23
23D3156-05 [SED-05-20230425]	B338503	30.0	1.00	04/27/23
23D3156-06 [SED-06-20230425]	B338503	30.0	1.00	04/27/23
23D3156-07 [SED-07-20230425]	B338503	30.0	1.00	04/27/23
23D3156-08 [SED-08-20230425]	B338503	30.0	1.00	04/27/23
23D3156-09 [SED-09-20230425]	B338503	30.0	1.00	04/27/23
23D3156-10 [SED-10-20230425]	B338503	30.0	1.00	04/27/23
23D3156-11 [SED-11-20230425]	B338503	30.0	1.00	04/27/23
23D3156-12 [SED-13-20230425]	B338503	30.0	1.00	04/27/23
23D3156-13 [SED-DUP-20230425]	B338503	30.0	1.00	04/27/23

**SW-846 9045C**

Lab Number [Field ID]	Batch	Initial [g]	Date
23D3156-01 [SED-01A-20230425]	B338878	20.0	05/01/23
23D3156-02 [SED-02A-20230425]	B338878	20.0	05/01/23
23D3156-03 [SED-03A-20230425]	B338878	20.0	05/01/23
23D3156-04 [SED-04A-20230425]	B338878	20.0	05/01/23
23D3156-05 [SED-05-20230425]	B338878	20.0	05/01/23
23D3156-06 [SED-06-20230425]	B338878	20.0	05/01/23
23D3156-07 [SED-07-20230425]	B338878	20.0	05/01/23

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### Sample Extraction Data

SW-846 9045C

Lab Number [Field ID]	Batch	Initial [g]	Date
23D3156-08 [SED-08-20230425]	B338878	20.0	05/01/23
23D3156-09 [SED-09-20230425]	B338878	20.0	05/01/23
23D3156-10 [SED-10-20230425]	B338878	20.0	05/01/23
23D3156-11 [SED-11-20230425]	B338878	20.0	05/01/23
23D3156-12 [SED-13-20230425]	B338878	20.0	05/01/23
23D3156-13 [SED-DUP-20230425]	B338878	20.0	05/01/23

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**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338491 - SW-846 5035</b>										
<b>Blank (B338491-BLK1)</b>										
Prepared & Analyzed: 04/27/23										
Acetone	ND	0.10	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
Carbon Disulfide	ND	0.010	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							V-05
Cyclohexane	ND	0.010	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
Methyl Acetate	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methyl Cyclohexane	ND	0.0020	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							

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**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338491 - SW-846 5035</b>										
<b>Blank (B338491-BLK1)</b>										
Prepared & Analyzed: 04/27/23										
o-Xylene	ND	0.0020	mg/Kg wet							
Xylenes (total)	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0514		mg/Kg wet	0.0500		103	70-130			
Surrogate: Toluene-d8	0.0485		mg/Kg wet	0.0500		96.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.0510		mg/Kg wet	0.0500		102	70-130			
<b>LCS (B338491-BS1)</b>										
Prepared & Analyzed: 04/27/23										
Acetone	0.152	0.10	mg/Kg wet	0.200		75.9	70-160			†
Benzene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130			
Bromochloromethane	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130			
Bromodichloromethane	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
Bromoform	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130			
Bromomethane	0.0179	0.010	mg/Kg wet	0.0200		89.7	40-130			V-20 †
2-Butanone (MEK)	0.202	0.040	mg/Kg wet	0.200		101	70-160			†
Carbon Disulfide	0.0241	0.010	mg/Kg wet	0.0200		121	70-130			V-35
Carbon Tetrachloride	0.0228	0.0020	mg/Kg wet	0.0200		114	70-130			
Chlorobenzene	0.0223	0.0020	mg/Kg wet	0.0200		112	70-130			
Chlorodibromomethane	0.0215	0.0010	mg/Kg wet	0.0200		108	70-130			
Chloroethane	0.0244	0.020	mg/Kg wet	0.0200		122	70-130			
Chloroform	0.0219	0.0040	mg/Kg wet	0.0200		109	70-130			
Chloromethane	0.0146	0.010	mg/Kg wet	0.0200		72.9	70-130			V-05
Cyclohexane	0.0196	0.010	mg/Kg wet	0.0200		98.2	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0191	0.0020	mg/Kg wet	0.0200		95.3	70-130			
1,2-Dibromoethane (EDB)	0.0218	0.0010	mg/Kg wet	0.0200		109	70-130			
1,2-Dichlorobenzene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130			
1,3-Dichlorobenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,4-Dichlorobenzene	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
Dichlorodifluoromethane (Freon 12)	0.0273	0.020	mg/Kg wet	0.0200		137	40-160			V-35 †
1,1-Dichloroethane	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130			
1,2-Dichloroethane	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130			
1,1-Dichloroethylene	0.0201	0.0040	mg/Kg wet	0.0200		100	70-130			
cis-1,2-Dichloroethylene	0.0223	0.0020	mg/Kg wet	0.0200		112	70-130			
trans-1,2-Dichloroethylene	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130			
1,2-Dichloropropane	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130			
cis-1,3-Dichloropropene	0.0197	0.0010	mg/Kg wet	0.0200		98.7	70-130			
trans-1,3-Dichloropropene	0.0210	0.0010	mg/Kg wet	0.0200		105	70-130			
1,4-Dioxane	0.194	0.10	mg/Kg wet	0.200		97.0	40-160			†
Ethylbenzene	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130			
2-Hexanone (MBK)	0.193	0.020	mg/Kg wet	0.200		96.5	70-160			†
Isopropylbenzene (Cumene)	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130			
Methyl Acetate	0.0151	0.0020	mg/Kg wet	0.0200		75.6	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0182	0.0040	mg/Kg wet	0.0200		91.1	70-130			
Methyl Cyclohexane	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
Methylene Chloride	0.0201	0.020	mg/Kg wet	0.0200		100	40-160			†
4-Methyl-2-pentanone (MIBK)	0.199	0.020	mg/Kg wet	0.200		99.7	70-160			†
Styrene	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130			
1,1,2,2-Tetrachloroethane	0.0224	0.0010	mg/Kg wet	0.0200		112	70-130			
Tetrachloroethylene	0.0236	0.0020	mg/Kg wet	0.0200		118	70-130			
Toluene	0.0199	0.0020	mg/Kg wet	0.0200		99.4	70-130			
1,2,3-Trichlorobenzene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130			
1,2,4-Trichlorobenzene	0.0217	0.0020	mg/Kg wet	0.0200		108	70-130			
1,1,1-Trichloroethane	0.0237	0.0020	mg/Kg wet	0.0200		118	70-130			

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**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338491 - SW-846 5035</b>										
<b>LCS (B338491-BS1)</b>										
Prepared & Analyzed: 04/27/23										
1,1,2-Trichloroethane	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
Trichloroethylene	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130			
<b>Trichlorofluoromethane (Freon 11)</b>	0.0262	0.010	mg/Kg wet	0.0200		<b>131</b> *	70-130			L-07
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0199	0.010	mg/Kg wet	0.0200		99.7	70-130			
Vinyl Chloride	0.0186	0.010	mg/Kg wet	0.0200		92.9	40-130			†
m+p Xylene	0.0461	0.0040	mg/Kg wet	0.0400		115	70-130			
o-Xylene	0.0231	0.0020	mg/Kg wet	0.0200		115	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0524		mg/Kg wet	0.0500		105	70-130			
Surrogate: Toluene-d8	0.0490		mg/Kg wet	0.0500		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.0512		mg/Kg wet	0.0500		102	70-130			
<b>LCS Dup (B338491-BS1)</b>										
Prepared & Analyzed: 04/27/23										
Acetone	0.190	0.10	mg/Kg wet	0.200		94.8	70-160	22.1	25	†
Benzene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130	1.91	25	
Bromochloromethane	0.0223	0.0020	mg/Kg wet	0.0200		112	70-130	5.52	25	
Bromodichloromethane	0.0223	0.0020	mg/Kg wet	0.0200		112	70-130	3.56	25	
Bromoform	0.0246	0.0020	mg/Kg wet	0.0200		123	70-130	9.70	25	
Bromomethane	0.0216	0.010	mg/Kg wet	0.0200		108	40-130	18.3	25	V-20 †
2-Butanone (MEK)	0.223	0.040	mg/Kg wet	0.200		112	70-160	9.78	25	†
<b>Carbon Disulfide</b>	0.0262	0.010	mg/Kg wet	0.0200		<b>131</b> *	70-130	8.03	25	L-07, V-35
Carbon Tetrachloride	0.0232	0.0020	mg/Kg wet	0.0200		116	70-130	1.82	25	
Chlorobenzene	0.0238	0.0020	mg/Kg wet	0.0200		119	70-130	6.59	25	
Chlorodibromomethane	0.0230	0.0010	mg/Kg wet	0.0200		115	70-130	6.64	25	
Chloroethane	0.0249	0.020	mg/Kg wet	0.0200		125	70-130	2.03	25	
Chloroform	0.0221	0.0040	mg/Kg wet	0.0200		111	70-130	1.27	25	
Chloromethane	0.0141	0.010	mg/Kg wet	0.0200		70.5	70-130	3.35	25	V-05
Cyclohexane	0.0204	0.010	mg/Kg wet	0.0200		102	70-130	3.60	25	
1,2-Dibromo-3-chloropropane (DBCP)	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130	14.7	25	
1,2-Dibromoethane (EDB)	0.0229	0.0010	mg/Kg wet	0.0200		115	70-130	5.00	25	
1,2-Dichlorobenzene	0.0242	0.0020	mg/Kg wet	0.0200		121	70-130	11.2	25	
1,3-Dichlorobenzene	0.0231	0.0020	mg/Kg wet	0.0200		116	70-130	8.84	25	
1,4-Dichlorobenzene	0.0232	0.0020	mg/Kg wet	0.0200		116	70-130	10.6	25	
Dichlorodifluoromethane (Freon 12)	0.0272	0.020	mg/Kg wet	0.0200		136	40-160	0.587	25	V-35 †
1,1-Dichloroethane	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130	0.00	25	
1,2-Dichloroethane	0.0234	0.0020	mg/Kg wet	0.0200		117	70-130	5.81	25	
1,1-Dichloroethylene	0.0208	0.0040	mg/Kg wet	0.0200		104	70-130	3.62	25	
cis-1,2-Dichloroethylene	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130	0.540	25	
trans-1,2-Dichloroethylene	0.0219	0.0020	mg/Kg wet	0.0200		109	70-130	0.819	25	
1,2-Dichloropropane	0.0215	0.0020	mg/Kg wet	0.0200		107	70-130	5.55	25	
cis-1,3-Dichloropropene	0.0206	0.0010	mg/Kg wet	0.0200		103	70-130	4.17	25	
trans-1,3-Dichloropropene	0.0224	0.0010	mg/Kg wet	0.0200		112	70-130	6.27	25	
1,4-Dioxane	0.212	0.10	mg/Kg wet	0.200		106	40-160	8.79	50	† ‡
Ethylbenzene	0.0241	0.0020	mg/Kg wet	0.0200		120	70-130	6.78	25	
2-Hexanone (MBK)	0.221	0.020	mg/Kg wet	0.200		111	70-160	13.6	25	†
Isopropylbenzene (Cumene)	0.0242	0.0020	mg/Kg wet	0.0200		121	70-130	7.90	25	
Methyl Acetate	0.0160	0.0020	mg/Kg wet	0.0200		80.2	70-130	5.91	25	
Methyl tert-Butyl Ether (MTBE)	0.0189	0.0040	mg/Kg wet	0.0200		94.5	70-130	3.66	25	
Methyl Cyclohexane	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130	2.98	25	
Methylene Chloride	0.0198	0.020	mg/Kg wet	0.0200		99.2	40-160	1.20	25	J †
4-Methyl-2-pentanone (MIBK)	0.226	0.020	mg/Kg wet	0.200		113	70-160	12.7	25	†
Styrene	0.0243	0.0020	mg/Kg wet	0.0200		121	70-130	7.79	25	
1,1,2,2-Tetrachloroethane	0.0259	0.0010	mg/Kg wet	0.0200		129	70-130	14.3	25	

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**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338491 - SW-846 5035</b>										
<b>LCS Dup (B338491-BSD1)</b>										
Prepared & Analyzed: 04/27/23										
Tetrachloroethylene	0.0245	0.0020	mg/Kg wet	0.0200		122	70-130	3.75	25	
Toluene	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130	3.17	25	
1,2,3-Trichlorobenzene	0.0242	0.0020	mg/Kg wet	0.0200		121	70-130	11.1	25	
1,2,4-Trichlorobenzene	0.0239	0.0020	mg/Kg wet	0.0200		120	70-130	9.73	25	
1,1,1-Trichloroethane	0.0241	0.0020	mg/Kg wet	0.0200		120	70-130	1.76	25	
1,1,2-Trichloroethane	0.0227	0.0020	mg/Kg wet	0.0200		114	70-130	6.83	25	
Trichloroethylene	0.0227	0.0020	mg/Kg wet	0.0200		113	70-130	2.86	25	
Trichlorofluoromethane (Freon 11)	0.0259	0.010	mg/Kg wet	0.0200		129	70-130	1.38	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0210	0.010	mg/Kg wet	0.0200		105	70-130	5.18	25	
Vinyl Chloride	0.0196	0.010	mg/Kg wet	0.0200		97.9	40-130	5.24	25	†
m+p Xylene	0.0487	0.0040	mg/Kg wet	0.0400		122	70-130	5.61	25	
o-Xylene	0.0243	0.0020	mg/Kg wet	0.0200		122	70-130	5.23	25	
Surrogate: 1,2-Dichloroethane-d4	0.0525		mg/Kg wet	0.0500		105	70-130			
Surrogate: Toluene-d8	0.0499		mg/Kg wet	0.0500		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.0512		mg/Kg wet	0.0500		102	70-130			

**Batch B338604 - SW-846 5035**

<b>Blank (B338604-BLK1)</b>										
Prepared: 04/28/23 Analyzed: 05/05/23										
Acetone	ND	2.5	mg/Kg wet							
Benzene	ND	0.050	mg/Kg wet							
Bromochloromethane	ND	0.050	mg/Kg wet							
Bromodichloromethane	ND	0.050	mg/Kg wet							
Bromoform	ND	0.050	mg/Kg wet							
Bromomethane	ND	0.10	mg/Kg wet							
2-Butanone (MEK)	ND	1.0	mg/Kg wet							
Carbon Disulfide	ND	0.25	mg/Kg wet							
Carbon Tetrachloride	ND	0.050	mg/Kg wet							
Chlorobenzene	ND	0.050	mg/Kg wet							
Chlorodibromomethane	ND	0.025	mg/Kg wet							
Chloroethane	ND	0.10	mg/Kg wet							
Chloroform	ND	0.10	mg/Kg wet							
Chloromethane	ND	0.10	mg/Kg wet							
Cyclohexane	ND	0.10	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.25	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.050	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet							
1,1-Dichloroethane	ND	0.050	mg/Kg wet							
1,2-Dichloroethane	ND	0.050	mg/Kg wet							
1,1-Dichloroethylene	ND	0.050	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
1,2-Dichloropropane	ND	0.050	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
1,4-Dioxane	ND	2.5	mg/Kg wet							
Ethylbenzene	ND	0.050	mg/Kg wet							
2-Hexanone (MBK)	ND	0.50	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.050	mg/Kg wet							

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**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B338604 - SW-846 5035**
**Blank (B338604-BLK1)**

Prepared: 04/28/23 Analyzed: 05/05/23

Methyl Acetate	ND	0.50	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.050	mg/Kg wet							
Methyl Cyclohexane	ND	0.050	mg/Kg wet							
Methylene Chloride	ND	0.25	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.50	mg/Kg wet							
Styrene	ND	0.050	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.025	mg/Kg wet							
Tetrachloroethylene	ND	0.050	mg/Kg wet							
Toluene	ND	0.050	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.050	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.050	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.050	mg/Kg wet							
Trichloroethylene	ND	0.050	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.050	mg/Kg wet							
Vinyl Chloride	ND	0.10	mg/Kg wet							
m+p Xylene	ND	0.10	mg/Kg wet							
o-Xylene	ND	0.050	mg/Kg wet							
Xylenes (total)	ND	0.050	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0266		mg/Kg wet	0.0250		106	70-130			
Surrogate: Toluene-d8	0.0248		mg/Kg wet	0.0250		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.0234		mg/Kg wet	0.0250		93.4	70-130			

**LCS (B338604-BS1)**

Prepared: 04/28/23 Analyzed: 05/05/23

Acetone	4.69	2.5	mg/Kg wet	5.00		93.8	70-160			†
Benzene	0.491	0.050	mg/Kg wet	0.500		98.2	70-130			
Bromochloromethane	0.504	0.050	mg/Kg wet	0.500		101	70-130			
Bromodichloromethane	0.502	0.050	mg/Kg wet	0.500		100	70-130			
Bromoform	0.422	0.050	mg/Kg wet	0.500		84.3	70-130			
<b>Bromomethane</b>	0.719	0.10	mg/Kg wet	0.500		<b>144</b> *	40-130			† L-06, V-06
2-Butanone (MEK)	5.14	1.0	mg/Kg wet	5.00		103	70-160			†
Carbon Disulfide	4.70	0.25	mg/Kg wet	5.00		94.0	70-130			
Carbon Tetrachloride	0.458	0.050	mg/Kg wet	0.500		91.6	70-130			
Chlorobenzene	0.492	0.050	mg/Kg wet	0.500		98.5	70-130			
Chlorodibromomethane	0.472	0.025	mg/Kg wet	0.500		94.4	70-130			
Chloroethane	0.470	0.10	mg/Kg wet	0.500		94.0	70-130			
Chloroform	0.481	0.10	mg/Kg wet	0.500		96.2	70-130			
Chloromethane	0.570	0.10	mg/Kg wet	0.500		114	70-130			
Cyclohexane	0.491	0.10	mg/Kg wet	0.500		98.2	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.448	0.25	mg/Kg wet	0.500		89.6	70-130			
1,2-Dibromoethane (EDB)	0.522	0.025	mg/Kg wet	0.500		104	70-130			
1,2-Dichlorobenzene	0.507	0.050	mg/Kg wet	0.500		101	70-130			
1,3-Dichlorobenzene	0.499	0.050	mg/Kg wet	0.500		99.8	70-130			
1,4-Dichlorobenzene	0.490	0.050	mg/Kg wet	0.500		98.1	70-130			
Dichlorodifluoromethane (Freon 12)	0.566	0.10	mg/Kg wet	0.500		113	40-160			†
1,1-Dichloroethane	0.472	0.050	mg/Kg wet	0.500		94.4	70-130			
1,2-Dichloroethane	0.508	0.050	mg/Kg wet	0.500		102	70-130			
1,1-Dichloroethylene	0.448	0.050	mg/Kg wet	0.500		89.6	70-130			
cis-1,2-Dichloroethylene	0.473	0.050	mg/Kg wet	0.500		94.6	70-130			
trans-1,2-Dichloroethylene	0.441	0.050	mg/Kg wet	0.500		88.2	70-130			
1,2-Dichloropropane	0.496	0.050	mg/Kg wet	0.500		99.3	70-130			

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**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338604 - SW-846 5035</b>										
<b>LCS (B338604-BS1)</b>										
					Prepared: 04/28/23 Analyzed: 05/05/23					
cis-1,3-Dichloropropene	0.476	0.025	mg/Kg wet	0.500		95.1	70-130			
trans-1,3-Dichloropropene	0.469	0.025	mg/Kg wet	0.500		93.8	70-130			
1,4-Dioxane	4.46	2.5	mg/Kg wet	5.00		89.2	40-160			†
Ethylbenzene	0.492	0.050	mg/Kg wet	0.500		98.3	70-130			
2-Hexanone (MBK)	5.08	0.50	mg/Kg wet	5.00		102	70-160			†
Isopropylbenzene (Cumene)	0.463	0.050	mg/Kg wet	0.500		92.6	70-130			
Methyl Acetate	0.416	0.50	mg/Kg wet	0.500		83.3	70-130			J
Methyl tert-Butyl Ether (MTBE)	0.479	0.050	mg/Kg wet	0.500		95.8	70-130			
Methyl Cyclohexane	0.518	0.050	mg/Kg wet	0.500		104	70-130			
Methylene Chloride	0.476	0.25	mg/Kg wet	0.500		95.2	40-160			†
4-Methyl-2-pentanone (MIBK)	5.13	0.50	mg/Kg wet	5.00		103	70-160			†
Styrene	0.476	0.050	mg/Kg wet	0.500		95.3	70-130			
1,1,2,2-Tetrachloroethane	0.464	0.025	mg/Kg wet	0.500		92.9	70-130			
Tetrachloroethylene	0.506	0.050	mg/Kg wet	0.500		101	70-130			
Toluene	0.514	0.050	mg/Kg wet	0.500		103	70-130			
1,2,3-Trichlorobenzene	0.478	0.25	mg/Kg wet	0.500		95.5	70-130			
1,2,4-Trichlorobenzene	0.486	0.050	mg/Kg wet	0.500		97.1	70-130			
1,1,1-Trichloroethane	0.476	0.050	mg/Kg wet	0.500		95.2	70-130			
1,1,2-Trichloroethane	0.539	0.050	mg/Kg wet	0.500		108	70-130			
Trichloroethylene	0.496	0.050	mg/Kg wet	0.500		99.1	70-130			
Trichlorofluoromethane (Freon 11)	0.476	0.10	mg/Kg wet	0.500		95.3	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.482	0.050	mg/Kg wet	0.500		96.4	70-130			
Vinyl Chloride	0.560	0.10	mg/Kg wet	0.500		112	40-130			†
m+p Xylene	0.976	0.10	mg/Kg wet	1.00		97.6	70-130			
o-Xylene	0.470	0.050	mg/Kg wet	0.500		94.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0268		mg/Kg wet	0.0250		107	70-130			
Surrogate: Toluene-d8	0.0263		mg/Kg wet	0.0250		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.0240		mg/Kg wet	0.0250		95.9	70-130			
<b>LCS Dup (B338604-BSD1)</b>										
					Prepared: 04/28/23 Analyzed: 05/05/23					
Acetone	4.75	2.5	mg/Kg wet	5.00		95.0	70-160	1.32	25	†
Benzene	0.530	0.050	mg/Kg wet	0.500		106	70-130	7.73	25	
Bromochloromethane	0.523	0.050	mg/Kg wet	0.500		105	70-130	3.80	25	
Bromodichloromethane	0.506	0.050	mg/Kg wet	0.500		101	70-130	0.893	25	
Bromoform	0.422	0.050	mg/Kg wet	0.500		84.5	70-130	0.237	25	
<b>Bromomethane</b>	0.682	0.10	mg/Kg wet	0.500		<b>136</b>	* 40-130	5.21	25	L-06, V-06 †
2-Butanone (MEK)	5.05	1.0	mg/Kg wet	5.00		101	70-160	1.84	25	†
Carbon Disulfide	4.80	0.25	mg/Kg wet	5.00		96.0	70-130	2.11	25	
Carbon Tetrachloride	0.472	0.050	mg/Kg wet	0.500		94.3	70-130	2.90	25	
Chlorobenzene	0.492	0.050	mg/Kg wet	0.500		98.5	70-130	0.00	25	
Chlorodibromomethane	0.446	0.025	mg/Kg wet	0.500		89.1	70-130	5.78	25	
Chloroethane	0.450	0.10	mg/Kg wet	0.500		90.0	70-130	4.35	25	
Chloroform	0.480	0.10	mg/Kg wet	0.500		96.1	70-130	0.104	25	
Chloromethane	0.562	0.10	mg/Kg wet	0.500		112	70-130	1.50	25	
Cyclohexane	0.500	0.10	mg/Kg wet	0.500		100	70-130	1.92	25	
1,2-Dibromo-3-chloropropane (DBCP)	0.410	0.25	mg/Kg wet	0.500		81.9	70-130	8.98	25	
1,2-Dibromoethane (EDB)	0.512	0.025	mg/Kg wet	0.500		102	70-130	2.03	25	
1,2-Dichlorobenzene	0.500	0.050	mg/Kg wet	0.500		100	70-130	1.39	25	
1,3-Dichlorobenzene	0.507	0.050	mg/Kg wet	0.500		101	70-130	1.59	25	
1,4-Dichlorobenzene	0.488	0.050	mg/Kg wet	0.500		97.7	70-130	0.409	25	
Dichlorodifluoromethane (Freon 12)	0.582	0.10	mg/Kg wet	0.500		116	40-160	2.79	25	†
1,1-Dichloroethane	0.469	0.050	mg/Kg wet	0.500		93.8	70-130	0.638	25	



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**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338604 - SW-846 5035</b>										
<b>LCS Dup (B338604-BSD1)</b>										
Prepared: 04/28/23 Analyzed: 05/05/23										
1,2-Dichloroethane	0.520	0.050	mg/Kg wet	0.500		104	70-130	2.14	25	
1,1-Dichloroethylene	0.474	0.050	mg/Kg wet	0.500		94.9	70-130	5.75	25	
cis-1,2-Dichloroethylene	0.452	0.050	mg/Kg wet	0.500		90.5	70-130	4.43	25	
trans-1,2-Dichloroethylene	0.442	0.050	mg/Kg wet	0.500		88.3	70-130	0.113	25	
1,2-Dichloropropane	0.525	0.050	mg/Kg wet	0.500		105	70-130	5.58	25	
cis-1,3-Dichloropropene	0.468	0.025	mg/Kg wet	0.500		93.5	70-130	1.70	25	
trans-1,3-Dichloropropene	0.462	0.025	mg/Kg wet	0.500		92.4	70-130	1.50	25	
1,4-Dioxane	4.53	2.5	mg/Kg wet	5.00		90.6	40-160	1.59	50	† ‡
Ethylbenzene	0.493	0.050	mg/Kg wet	0.500		98.6	70-130	0.305	25	
2-Hexanone (MBK)	4.88	0.50	mg/Kg wet	5.00		97.7	70-160	3.87	25	†
Isopropylbenzene (Cumene)	0.478	0.050	mg/Kg wet	0.500		95.7	70-130	3.29	25	
Methyl Acetate	0.406	0.50	mg/Kg wet	0.500		81.3	70-130	2.43	25	J
Methyl tert-Butyl Ether (MTBE)	0.470	0.050	mg/Kg wet	0.500		94.0	70-130	1.90	25	
Methyl Cyclohexane	0.532	0.050	mg/Kg wet	0.500		106	70-130	2.66	25	
Methylene Chloride	0.451	0.25	mg/Kg wet	0.500		90.2	40-160	5.39	25	†
4-Methyl-2-pentanone (MIBK)	4.93	0.50	mg/Kg wet	5.00		98.6	70-160	4.03	25	†
Styrene	0.482	0.050	mg/Kg wet	0.500		96.4	70-130	1.15	25	
1,1,2,2-Tetrachloroethane	0.446	0.025	mg/Kg wet	0.500		89.1	70-130	4.18	25	
Tetrachloroethylene	0.514	0.050	mg/Kg wet	0.500		103	70-130	1.37	25	
Toluene	0.495	0.050	mg/Kg wet	0.500		99.0	70-130	3.67	25	
1,2,3-Trichlorobenzene	0.440	0.25	mg/Kg wet	0.500		88.1	70-130	8.06	25	
1,2,4-Trichlorobenzene	0.455	0.050	mg/Kg wet	0.500		91.0	70-130	6.49	25	
1,1,1-Trichloroethane	0.490	0.050	mg/Kg wet	0.500		97.9	70-130	2.80	25	
1,1,2-Trichloroethane	0.510	0.050	mg/Kg wet	0.500		102	70-130	5.43	25	
Trichloroethylene	0.511	0.050	mg/Kg wet	0.500		102	70-130	3.08	25	
Trichlorofluoromethane (Freon 11)	0.506	0.10	mg/Kg wet	0.500		101	70-130	6.01	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.484	0.050	mg/Kg wet	0.500		96.8	70-130	0.414	25	
Vinyl Chloride	0.560	0.10	mg/Kg wet	0.500		112	40-130	0.0893	25	†
m+p Xylene	0.992	0.10	mg/Kg wet	1.00		99.2	70-130	1.68	25	
o-Xylene	0.476	0.050	mg/Kg wet	0.500		95.2	70-130	1.16	25	
Surrogate: 1,2-Dichloroethane-d4	0.0272		mg/Kg wet	0.0250		109	70-130			
Surrogate: Toluene-d8	0.0252		mg/Kg wet	0.0250		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.0239		mg/Kg wet	0.0250		95.6	70-130			

**Batch B338640 - SW-846 5035**
**Blank (B338640-BLK1)**

Prepared &amp; Analyzed: 04/28/23

Acetone	ND	0.10	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
Carbon Disulfide	ND	0.010	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
Cyclohexane	ND	0.010	mg/Kg wet							

L-04, V-05

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**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B338640 - SW-846 5035**
**Blank (B338640-BLK1)**

Prepared &amp; Analyzed: 04/28/23

1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
Methyl Acetate	ND	0.0020	mg/Kg wet							L-04
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methyl Cyclohexane	ND	0.0020	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Xylenes (total)	ND	0.0020	mg/Kg wet							

Surrogate: 1,2-Dichloroethane-d4	0.0526		mg/Kg wet	0.0500		105	70-130			
Surrogate: Toluene-d8	0.0470		mg/Kg wet	0.0500		94.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.0510		mg/Kg wet	0.0500		102	70-130			

**LCS (B338640-BS1)**

Prepared &amp; Analyzed: 04/28/23

Acetone	0.171	0.10	mg/Kg wet	0.200		85.4	70-160			†
Benzene	0.0175	0.0020	mg/Kg wet	0.0200		87.5	70-130			
Bromochloromethane	0.0174	0.0020	mg/Kg wet	0.0200		87.2	70-130			
Bromodichloromethane	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130			
Bromoform	0.0235	0.0020	mg/Kg wet	0.0200		117	70-130			
Bromomethane	0.0161	0.010	mg/Kg wet	0.0200		80.6	40-130		V-20	†
2-Butanone (MEK)	0.179	0.040	mg/Kg wet	0.200		89.7	70-160			†
Carbon Disulfide	0.0225	0.010	mg/Kg wet	0.0200		112	70-130			V-35
Carbon Tetrachloride	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			

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**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338640 - SW-846 5035</b>										
<b>LCS (B338640-BS1)</b>										
Prepared & Analyzed: 04/28/23										
Chlorobenzene	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
Chlorodibromomethane	0.0219	0.0010	mg/Kg wet	0.0200		110	70-130			
<b>Chloroethane</b>	0.0276	0.020	mg/Kg wet	0.0200		<b>138</b> *	70-130			L-02, V-20
Chloroform	0.0200	0.0040	mg/Kg wet	0.0200		100	70-130			
<b>Chloromethane</b>	0.0123	0.010	mg/Kg wet	0.0200		<b>61.6</b> *	70-130			L-04, V-05, V-20
Cyclohexane	0.0162	0.010	mg/Kg wet	0.0200		80.8	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0195	0.0020	mg/Kg wet	0.0200		97.4	70-130			
1,2-Dibromoethane (EDB)	0.0213	0.0010	mg/Kg wet	0.0200		106	70-130			
1,2-Dichlorobenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,3-Dichlorobenzene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
1,4-Dichlorobenzene	0.0209	0.0020	mg/Kg wet	0.0200		104	70-130			
Dichlorodifluoromethane (Freon 12)	0.0243	0.020	mg/Kg wet	0.0200		122	40-160			V-35 †
1,1-Dichloroethane	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130			
1,2-Dichloroethane	0.0219	0.0020	mg/Kg wet	0.0200		110	70-130			
1,1-Dichloroethylene	0.0212	0.0040	mg/Kg wet	0.0200		106	70-130			
cis-1,2-Dichloroethylene	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130			
trans-1,2-Dichloroethylene	0.0189	0.0020	mg/Kg wet	0.0200		94.7	70-130			
1,2-Dichloropropane	0.0167	0.0020	mg/Kg wet	0.0200		83.5	70-130			
cis-1,3-Dichloropropene	0.0183	0.0010	mg/Kg wet	0.0200		91.4	70-130			
trans-1,3-Dichloropropene	0.0206	0.0010	mg/Kg wet	0.0200		103	70-130			
1,4-Dioxane	0.178	0.10	mg/Kg wet	0.200		89.1	40-160			†
Ethylbenzene	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130			
2-Hexanone (MBK)	0.185	0.020	mg/Kg wet	0.200		92.3	70-160			†
Isopropylbenzene (Cumene)	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130			
<b>Methyl Acetate</b>	0.0124	0.0020	mg/Kg wet	0.0200		<b>62.0</b> *	70-130			L-04
Methyl tert-Butyl Ether (MTBE)	0.0162	0.0040	mg/Kg wet	0.0200		81.1	70-130			
Methyl Cyclohexane	0.0184	0.0020	mg/Kg wet	0.0200		91.8	70-130			
Methylene Chloride	0.0168	0.020	mg/Kg wet	0.0200		83.8	40-160			J †
4-Methyl-2-pentanone (MIBK)	0.188	0.020	mg/Kg wet	0.200		94.0	70-160			†
Styrene	0.0217	0.0020	mg/Kg wet	0.0200		108	70-130			
1,1,2,2-Tetrachloroethane	0.0219	0.0010	mg/Kg wet	0.0200		109	70-130			
Tetrachloroethylene	0.0231	0.0020	mg/Kg wet	0.0200		116	70-130			
Toluene	0.0184	0.0020	mg/Kg wet	0.0200		92.2	70-130			
1,2,3-Trichlorobenzene	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
1,2,4-Trichlorobenzene	0.0217	0.0020	mg/Kg wet	0.0200		108	70-130			
1,1,1-Trichloroethane	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130			
1,1,2-Trichloroethane	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
Trichloroethylene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130			
<b>Trichlorofluoromethane (Freon 11)</b>	0.0280	0.010	mg/Kg wet	0.0200		<b>140</b> *	70-130			L-02, V-20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0218	0.010	mg/Kg wet	0.0200		109	70-130			
Vinyl Chloride	0.0188	0.010	mg/Kg wet	0.0200		94.0	40-130			†
m+p Xylene	0.0454	0.0040	mg/Kg wet	0.0400		114	70-130			
o-Xylene	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0520		mg/Kg wet	0.0500		104	70-130			
Surrogate: Toluene-d8	0.0486		mg/Kg wet	0.0500		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.0519		mg/Kg wet	0.0500		104	70-130			

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**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338640 - SW-846 5035</b>										
<b>LCS Dup (B338640-BSD1)</b>										
Prepared & Analyzed: 04/28/23										
Acetone	0.156	0.10	mg/Kg wet	0.200		78.2	70-160	8.87	25	†
Benzene	0.0177	0.0020	mg/Kg wet	0.0200		88.6	70-130	1.25	25	
Bromochloromethane	0.0176	0.0020	mg/Kg wet	0.0200		88.0	70-130	0.913	25	
Bromodichloromethane	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130	2.79	25	
Bromoform	0.0221	0.0020	mg/Kg wet	0.0200		111	70-130	5.79	25	
Bromomethane	0.0201	0.010	mg/Kg wet	0.0200		100	40-130	21.8	25	V-20 †
2-Butanone (MEK)	0.166	0.040	mg/Kg wet	0.200		82.9	70-160	7.81	25	†
Carbon Disulfide	0.0219	0.010	mg/Kg wet	0.0200		110	70-130	2.61	25	V-35
Carbon Tetrachloride	0.0225	0.0020	mg/Kg wet	0.0200		113	70-130	3.25	25	
Chlorobenzene	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130	0.841	25	
Chlorodibromomethane	0.0217	0.0010	mg/Kg wet	0.0200		109	70-130	0.733	25	
<b>Chloroethane</b>	0.0267	0.020	mg/Kg wet	0.0200		<b>134</b> *	70-130	3.39	25	L-02, V-20
Chloroform	0.0197	0.0040	mg/Kg wet	0.0200		98.4	70-130	1.61	25	
<b>Chloromethane</b>	0.0120	0.010	mg/Kg wet	0.0200		<b>60.2</b> *	70-130	2.30	25	L-04, V-05, V-20
Cyclohexane	0.0162	0.010	mg/Kg wet	0.0200		80.8	70-130	0.00	25	
1,2-Dibromo-3-chloropropane (DBCP)	0.0176	0.0020	mg/Kg wet	0.0200		87.8	70-130	10.4	25	
1,2-Dibromoethane (EDB)	0.0206	0.0010	mg/Kg wet	0.0200		103	70-130	3.06	25	
1,2-Dichlorobenzene	0.0211	0.0020	mg/Kg wet	0.0200		105	70-130	0.851	25	
1,3-Dichlorobenzene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	2.11	25	
1,4-Dichlorobenzene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130	2.72	25	
Dichlorodifluoromethane (Freon 12)	0.0227	0.020	mg/Kg wet	0.0200		113	40-160	6.98	25	V-35 †
1,1-Dichloroethane	0.0185	0.0020	mg/Kg wet	0.0200		92.6	70-130	2.35	25	
1,2-Dichloroethane	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130	2.87	25	
1,1-Dichloroethylene	0.0214	0.0040	mg/Kg wet	0.0200		107	70-130	0.845	25	
cis-1,2-Dichloroethylene	0.0191	0.0020	mg/Kg wet	0.0200		95.6	70-130	1.66	25	
trans-1,2-Dichloroethylene	0.0189	0.0020	mg/Kg wet	0.0200		94.4	70-130	0.317	25	
1,2-Dichloropropane	0.0168	0.0020	mg/Kg wet	0.0200		84.2	70-130	0.835	25	
cis-1,3-Dichloropropene	0.0179	0.0010	mg/Kg wet	0.0200		89.7	70-130	1.88	25	
trans-1,3-Dichloropropene	0.0202	0.0010	mg/Kg wet	0.0200		101	70-130	1.76	25	
1,4-Dioxane	0.175	0.10	mg/Kg wet	0.200		87.4	40-160	1.87	50	† ‡
Ethylbenzene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130	1.18	25	
2-Hexanone (MBK)	0.170	0.020	mg/Kg wet	0.200		84.8	70-160	8.46	25	†
Isopropylbenzene (Cumene)	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130	0.535	25	
<b>Methyl Acetate</b>	0.0127	0.0020	mg/Kg wet	0.0200		<b>63.4</b> *	70-130	2.23	25	L-04
Methyl tert-Butyl Ether (MTBE)	0.0156	0.0040	mg/Kg wet	0.0200		78.0	70-130	3.90	25	
Methyl Cyclohexane	0.0186	0.0020	mg/Kg wet	0.0200		92.8	70-130	1.08	25	
Methylene Chloride	0.0160	0.020	mg/Kg wet	0.0200		80.2	40-160	4.39	25	J †
4-Methyl-2-pentanone (MIBK)	0.175	0.020	mg/Kg wet	0.200		87.6	70-160	7.08	25	†
Styrene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130	0.462	25	
1,1,2,2-Tetrachloroethane	0.0211	0.0010	mg/Kg wet	0.0200		105	70-130	3.72	25	
Tetrachloroethylene	0.0235	0.0020	mg/Kg wet	0.0200		117	70-130	1.63	25	
Toluene	0.0186	0.0020	mg/Kg wet	0.0200		93.1	70-130	0.971	25	
1,2,3-Trichlorobenzene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130	2.35	25	
1,2,4-Trichlorobenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130	2.14	25	
1,1,1-Trichloroethane	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130	1.70	25	
1,1,2-Trichloroethane	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130	2.56	25	
Trichloroethylene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130	0.193	25	
<b>Trichlorofluoromethane (Freon 11)</b>	0.0280	0.010	mg/Kg wet	0.0200		<b>140</b> *	70-130	0.0715	25	L-02, V-20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0201	0.010	mg/Kg wet	0.0200		100	70-130	8.03	25	
Vinyl Chloride	0.0183	0.010	mg/Kg wet	0.0200		91.3	40-130	2.91	25	†
m+p Xylene	0.0447	0.0040	mg/Kg wet	0.0400		112	70-130	1.69	25	

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**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B338640 - SW-846 5035**
**LCS Dup (B338640-BSD1)**

Prepared &amp; Analyzed: 04/28/23

o-Xylene	0.0225	0.0020	mg/Kg wet	0.0200		113	70-130	0.178	25	
Surrogate: 1,2-Dichloroethane-d4	0.0524		mg/Kg wet	0.0500		105	70-130			
Surrogate: Toluene-d8	0.0498		mg/Kg wet	0.0500		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.0519		mg/Kg wet	0.0500		104	70-130			

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B338503 - SW-846 3546**
**Blank (B338503-BLK1)**

Prepared: 04/27/23 Analyzed: 05/03/23

Atrazine	ND	0.67	mg/Kg wet							
Benzaldehyde	ND	0.34	mg/Kg wet							
Biphenyl	ND	0.67	mg/Kg wet							
Caprolactam	ND	0.34	mg/Kg wet							
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338503 - SW-846 3546</b>										
<b>Blank (B338503-BLK1)</b>										
Prepared: 04/27/23 Analyzed: 05/03/23										
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							
4-Nitrophenol	ND	0.66	mg/Kg wet							
N-Nitrosodiphenylamine/Diphenylamine	ND	0.34	mg/Kg wet							
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	2.90		mg/Kg wet	6.67		43.5	30-130			
Surrogate: Phenol-d6	2.98		mg/Kg wet	6.67		44.7	30-130			
Surrogate: Nitrobenzene-d5	1.68		mg/Kg wet	3.33		50.3	30-130			
Surrogate: 2-Fluorobiphenyl	1.89		mg/Kg wet	3.33		56.7	30-130			
Surrogate: 2,4,6-Tribromophenol	4.06		mg/Kg wet	6.67		60.9	30-130			
Surrogate: p-Terphenyl-d14	2.15		mg/Kg wet	3.33		64.6	30-130			
<b>LCS (B338503-BS1)</b>										
Prepared: 04/27/23 Analyzed: 05/03/23										
Atrazine	1.67	0.67	mg/Kg wet	1.67		100	40-140			
Benzaldehyde	0.996	0.34	mg/Kg wet	1.67		59.7	40-140			
Biphenyl	1.46	0.67	mg/Kg wet	1.67		87.4	40-140			
Caprolactam	1.53	0.34	mg/Kg wet	1.67		91.5	40-140			
Acenaphthene	1.32	0.17	mg/Kg wet	1.67		79.0	40-140			
Acenaphthylene	1.41	0.17	mg/Kg wet	1.67		84.5	40-140			
Acetophenone	1.16	0.34	mg/Kg wet	1.67		69.7	40-140			
Anthracene	1.46	0.17	mg/Kg wet	1.67		87.5	40-140			
Benzo(a)anthracene	1.44	0.17	mg/Kg wet	1.67		86.7	40-140			
Benzo(a)pyrene	1.37	0.17	mg/Kg wet	1.67		82.0	40-140			
Benzo(b)fluoranthene	1.38	0.17	mg/Kg wet	1.67		83.0	40-140			
Benzo(g,h,i)perylene	1.69	0.17	mg/Kg wet	1.67		101	40-140			
Benzo(k)fluoranthene	1.46	0.17	mg/Kg wet	1.67		87.8	40-140			
Bis(2-chloroethoxy)methane	1.26	0.34	mg/Kg wet	1.67		75.5	40-140			
Bis(2-chloroethyl)ether	1.12	0.34	mg/Kg wet	1.67		67.3	40-140			
Bis(2-chloroisopropyl)ether	1.39	0.34	mg/Kg wet	1.67		83.5	40-140			
Bis(2-Ethylhexyl)phthalate	1.36	0.34	mg/Kg wet	1.67		81.7	40-140			
4-Bromophenylphenylether	1.53	0.34	mg/Kg wet	1.67		92.0	40-140			
Butylbenzylphthalate	1.22	0.34	mg/Kg wet	1.67		73.5	40-140			
Carbazole	1.38	0.17	mg/Kg wet	1.67		82.8	40-140			
4-Chloroaniline	0.801	0.66	mg/Kg wet	1.67		48.1	10-140			†
4-Chloro-3-methylphenol	1.26	0.66	mg/Kg wet	1.67		75.7	30-130			
2-Chloronaphthalene	1.24	0.34	mg/Kg wet	1.67		74.6	40-140			
2-Chlorophenol	1.21	0.34	mg/Kg wet	1.67		72.7	30-130			
4-Chlorophenylphenylether	1.33	0.34	mg/Kg wet	1.67		79.9	40-140			
Chrysene	1.41	0.17	mg/Kg wet	1.67		84.7	40-140			
Dibenz(a,h)anthracene	1.70	0.17	mg/Kg wet	1.67		102	40-140			
Dibenzofuran	1.35	0.34	mg/Kg wet	1.67		81.0	40-140			
Di-n-butylphthalate	1.27	0.34	mg/Kg wet	1.67		76.0	40-140			
3,3-Dichlorobenzidene	1.52	0.17	mg/Kg wet	1.67		91.4	20-140			†

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338503 - SW-846 3546</b>										
<b>LCS (B338503-BS1)</b>										
					Prepared: 04/27/23 Analyzed: 05/03/23					
2,4-Dichlorophenol	1.38	0.34	mg/Kg wet	1.67		82.9	30-130			
Diethylphthalate	1.20	0.34	mg/Kg wet	1.67		72.2	40-140			
2,4-Dimethylphenol	1.34	0.34	mg/Kg wet	1.67		80.1	30-130			
Dimethylphthalate	1.29	0.34	mg/Kg wet	1.67		77.5	40-140			
4,6-Dinitro-2-methylphenol	1.47	0.34	mg/Kg wet	1.67		88.4	30-130			
2,4-Dinitrophenol	1.08	0.66	mg/Kg wet	1.67		64.6	30-130			
2,4-Dinitrotoluene	1.42	0.34	mg/Kg wet	1.67		85.3	40-140			
2,6-Dinitrotoluene	1.52	0.34	mg/Kg wet	1.67		91.4	40-140			
Di-n-octylphthalate	1.22	0.34	mg/Kg wet	1.67		73.4	40-140			
Fluoranthene	1.46	0.17	mg/Kg wet	1.67		87.4	40-140			
Fluorene	1.39	0.17	mg/Kg wet	1.67		83.2	40-140			
Hexachlorobenzene	1.68	0.34	mg/Kg wet	1.67		101	40-140			
Hexachlorobutadiene	1.27	0.34	mg/Kg wet	1.67		76.2	40-140			
Hexachlorocyclopentadiene	1.23	0.34	mg/Kg wet	1.67		73.7	40-140			
Hexachloroethane	1.06	0.34	mg/Kg wet	1.67		63.5	40-140			
Indeno(1,2,3-cd)pyrene	1.79	0.17	mg/Kg wet	1.67		107	40-140			
Isophorone	1.34	0.34	mg/Kg wet	1.67		80.6	40-140			
2-Methylnaphthalene	1.32	0.17	mg/Kg wet	1.67		79.1	40-140			
2-Methylphenol	1.27	0.34	mg/Kg wet	1.67		76.1	30-130			
3/4-Methylphenol	1.32	0.34	mg/Kg wet	1.67		79.0	30-130			
Naphthalene	1.32	0.17	mg/Kg wet	1.67		79.0	40-140			
2-Nitroaniline	1.26	0.34	mg/Kg wet	1.67		75.8	40-140			
3-Nitroaniline	1.23	0.34	mg/Kg wet	1.67		73.9	30-140			†
4-Nitroaniline	1.22	0.34	mg/Kg wet	1.67		73.3	40-140			
Nitrobenzene	1.21	0.34	mg/Kg wet	1.67		72.5	40-140			
2-Nitrophenol	1.36	0.34	mg/Kg wet	1.67		81.6	30-130			
4-Nitrophenol	0.993	0.66	mg/Kg wet	1.67		59.6	30-130			
N-Nitrosodiphenylamine/Diphenylamine	1.42	0.34	mg/Kg wet	1.67		85.5	40-140			
N-Nitrosodi-n-propylamine	1.20	0.34	mg/Kg wet	1.67		72.1	40-140			
Pentachlorophenol	1.09	0.34	mg/Kg wet	1.67		65.3	30-130			
Phenanthrene	1.45	0.17	mg/Kg wet	1.67		86.8	40-140			
Phenol	1.21	0.34	mg/Kg wet	1.67		72.8	30-130			
Pyrene	1.39	0.17	mg/Kg wet	1.67		83.2	40-140			
1,2,4,5-Tetrachlorobenzene	1.42	0.34	mg/Kg wet	1.67		85.4	40-140			
2,4,5-Trichlorophenol	1.39	0.34	mg/Kg wet	1.67		83.2	30-130			
2,4,6-Trichlorophenol	1.36	0.34	mg/Kg wet	1.67		81.4	30-130			
Surrogate: 2-Fluorophenol	4.63		mg/Kg wet	6.67		69.5	30-130			
Surrogate: Phenol-d6	4.86		mg/Kg wet	6.67		72.9	30-130			
Surrogate: Nitrobenzene-d5	2.63		mg/Kg wet	3.33		78.9	30-130			
Surrogate: 2-Fluorobiphenyl	3.08		mg/Kg wet	3.33		92.3	30-130			
Surrogate: 2,4,6-Tribromophenol	6.73		mg/Kg wet	6.67		101	30-130			
Surrogate: p-Terphenyl-d14	3.40		mg/Kg wet	3.33		102	30-130			



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**QUALITY CONTROL**
**Semivolatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338503 - SW-846 3546</b>										
<b>LCS Dup (B338503-BSD1)</b>										
					Prepared: 04/27/23 Analyzed: 05/03/23					
Atrazine	1.61	0.67	mg/Kg wet	1.67		96.8	40-140	3.45	30	
Benzaldehyde	1.00	0.34	mg/Kg wet	1.67		60.3	40-140	0.867	20	
Biphenyl	1.38	0.67	mg/Kg wet	1.67		82.8	40-140	5.38	20	
Caprolactam	1.50	0.34	mg/Kg wet	1.67		89.7	40-140	1.96	20	
Acenaphthene	1.27	0.17	mg/Kg wet	1.67		76.0	40-140	3.79	30	
Acenaphthylene	1.35	0.17	mg/Kg wet	1.67		80.8	40-140	4.53	30	
Acetophenone	1.12	0.34	mg/Kg wet	1.67		67.0	40-140	3.89	30	
Anthracene	1.39	0.17	mg/Kg wet	1.67		83.7	40-140	4.51	30	
Benzo(a)anthracene	1.36	0.17	mg/Kg wet	1.67		81.5	40-140	6.16	30	
Benzo(a)pyrene	1.30	0.17	mg/Kg wet	1.67		77.8	40-140	5.21	30	
Benzo(b)fluoranthene	1.34	0.17	mg/Kg wet	1.67		80.2	40-140	3.50	30	
Benzo(g,h,i)perylene	1.55	0.17	mg/Kg wet	1.67		93.2	40-140	8.49	30	
Benzo(k)fluoranthene	1.40	0.17	mg/Kg wet	1.67		83.7	40-140	4.76	30	
Bis(2-chloroethoxy)methane	1.18	0.34	mg/Kg wet	1.67		70.7	40-140	6.54	30	
Bis(2-chloroethyl)ether	1.12	0.34	mg/Kg wet	1.67		66.9	40-140	0.626	30	
Bis(2-chloroisopropyl)ether	1.34	0.34	mg/Kg wet	1.67		80.6	40-140	3.61	30	
Bis(2-Ethylhexyl)phthalate	1.24	0.34	mg/Kg wet	1.67		74.2	40-140	9.70	30	
4-Bromophenylphenylether	1.46	0.34	mg/Kg wet	1.67		87.5	40-140	4.99	30	
Butylbenzylphthalate	1.15	0.34	mg/Kg wet	1.67		68.9	40-140	6.43	30	
Carbazole	1.30	0.17	mg/Kg wet	1.67		78.2	40-140	5.74	30	
4-Chloroaniline	0.758	0.66	mg/Kg wet	1.67		45.5	10-140	5.47	30	†
4-Chloro-3-methylphenol	1.22	0.66	mg/Kg wet	1.67		73.5	30-130	2.98	30	
2-Chloronaphthalene	1.10	0.34	mg/Kg wet	1.67		65.8	40-140	12.5	30	
2-Chlorophenol	1.17	0.34	mg/Kg wet	1.67		70.4	30-130	3.21	30	
4-Chlorophenylphenylether	1.27	0.34	mg/Kg wet	1.67		76.1	40-140	4.95	30	
Chrysene	1.32	0.17	mg/Kg wet	1.67		79.0	40-140	6.92	30	
Dibenz(a,h)anthracene	1.61	0.17	mg/Kg wet	1.67		96.7	40-140	5.47	30	
Dibenzofuran	1.31	0.34	mg/Kg wet	1.67		78.7	40-140	2.93	30	
Di-n-butylphthalate	1.18	0.34	mg/Kg wet	1.67		70.8	40-140	7.06	30	
3,3-Dichlorobenzidine	1.40	0.17	mg/Kg wet	1.67		84.2	20-140	8.20	50	† ‡
2,4-Dichlorophenol	1.31	0.34	mg/Kg wet	1.67		78.4	30-130	5.61	30	
Diethylphthalate	1.15	0.34	mg/Kg wet	1.67		68.8	40-140	4.91	30	
2,4-Dimethylphenol	1.26	0.34	mg/Kg wet	1.67		75.8	30-130	5.54	30	
Dimethylphthalate	1.22	0.34	mg/Kg wet	1.67		73.1	40-140	5.84	30	
4,6-Dinitro-2-methylphenol	1.38	0.34	mg/Kg wet	1.67		82.6	30-130	6.83	30	
2,4-Dinitrophenol	0.954	0.66	mg/Kg wet	1.67		57.2	30-130	12.0	30	
2,4-Dinitrotoluene	1.37	0.34	mg/Kg wet	1.67		82.5	40-140	3.43	30	
2,6-Dinitrotoluene	1.43	0.34	mg/Kg wet	1.67		86.0	40-140	6.04	30	
Di-n-octylphthalate	1.15	0.34	mg/Kg wet	1.67		69.1	40-140	6.07	30	
Fluoranthene	1.38	0.17	mg/Kg wet	1.67		82.9	40-140	5.28	30	
Fluorene	1.32	0.17	mg/Kg wet	1.67		79.2	40-140	4.93	30	
Hexachlorobenzene	1.54	0.34	mg/Kg wet	1.67		92.6	40-140	8.36	30	
Hexachlorobutadiene	1.23	0.34	mg/Kg wet	1.67		74.0	40-140	2.90	30	
Hexachlorocyclopentadiene	1.17	0.34	mg/Kg wet	1.67		70.0	40-140	5.15	30	
Hexachloroethane	1.04	0.34	mg/Kg wet	1.67		62.7	40-140	1.30	30	
Indeno(1,2,3-cd)pyrene	1.66	0.17	mg/Kg wet	1.67		99.9	40-140	7.03	30	
Isophorone	1.28	0.34	mg/Kg wet	1.67		76.9	40-140	4.65	30	
2-Methylnaphthalene	1.28	0.17	mg/Kg wet	1.67		76.8	40-140	2.95	30	
2-Methylphenol	1.21	0.34	mg/Kg wet	1.67		72.7	30-130	4.54	30	
3/4-Methylphenol	1.27	0.34	mg/Kg wet	1.67		76.4	30-130	3.34	30	
Naphthalene	1.29	0.17	mg/Kg wet	1.67		77.4	40-140	2.07	30	
2-Nitroaniline	1.23	0.34	mg/Kg wet	1.67		73.6	40-140	2.92	30	

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338503 - SW-846 3546</b>										
<b>LCS Dup (B338503-BSD1)</b>										
					Prepared: 04/27/23 Analyzed: 05/03/23					
3-Nitroaniline	1.17	0.34	mg/Kg wet	1.67		70.3	30-140	4.97	30	†
4-Nitroaniline	1.16	0.34	mg/Kg wet	1.67		69.6	40-140	5.23	30	
Nitrobenzene	1.18	0.34	mg/Kg wet	1.67		71.0	40-140	2.15	30	
2-Nitrophenol	1.31	0.34	mg/Kg wet	1.67		78.3	30-130	4.13	30	
4-Nitrophenol	1.00	0.66	mg/Kg wet	1.67		60.0	30-130	0.636	50	‡
N-Nitrosodiphenylamine/Diphenylamine	1.34	0.34	mg/Kg wet	1.67		80.1	40-140	6.50	30	
N-Nitrosodi-n-propylamine	1.16	0.34	mg/Kg wet	1.67		69.9	40-140	3.10	30	
Pentachlorophenol	1.03	0.34	mg/Kg wet	1.67		61.9	30-130	5.34	30	
Phenanthrene	1.36	0.17	mg/Kg wet	1.67		81.7	40-140	5.98	30	
Phenol	1.17	0.34	mg/Kg wet	1.67		70.3	30-130	3.38	30	
Pyrene	1.30	0.17	mg/Kg wet	1.67		77.9	40-140	6.60	30	
1,2,4,5-Tetrachlorobenzene	1.36	0.34	mg/Kg wet	1.67		81.9	40-140	4.26	30	
2,4,5-Trichlorophenol	1.32	0.34	mg/Kg wet	1.67		79.3	30-130	4.78	30	
2,4,6-Trichlorophenol	1.29	0.34	mg/Kg wet	1.67		77.4	30-130	5.04	30	
Surrogate: 2-Fluorophenol	4.49		mg/Kg wet	6.67		67.4	30-130			
Surrogate: Phenol-d6	4.67		mg/Kg wet	6.67		70.1	30-130			
Surrogate: Nitrobenzene-d5	2.48		mg/Kg wet	3.33		74.3	30-130			
Surrogate: 2-Fluorobiphenyl	2.87		mg/Kg wet	3.33		86.0	30-130			
Surrogate: 2,4,6-Tribromophenol	6.34		mg/Kg wet	6.67		95.1	30-130			
Surrogate: p-Terphenyl-d14	3.12		mg/Kg wet	3.33		93.5	30-130			

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**QUALITY CONTROL**
**Polychlorinated Biphenyls By GC/ECD - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338593 - SW-846 3546</b>										
<b>Blank (B338593-BLK1)</b>										
Prepared: 04/27/23 Analyzed: 04/29/23										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.216		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.218		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	0.186		mg/Kg wet	0.200		93.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.189		mg/Kg wet	0.200		94.3	30-150			
<b>LCS (B338593-BS1)</b>										
Prepared: 04/27/23 Analyzed: 04/29/23										
Aroclor-1016	0.17	0.019	mg/Kg wet	0.194		88.7	40-140			
Aroclor-1016 [2C]	0.18	0.019	mg/Kg wet	0.194		90.7	40-140			
Aroclor-1260	0.17	0.019	mg/Kg wet	0.194		88.7	40-140			
Aroclor-1260 [2C]	0.17	0.019	mg/Kg wet	0.194		89.3	40-140			
Surrogate: Decachlorobiphenyl	0.218		mg/Kg wet	0.194		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.224		mg/Kg wet	0.194		115	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.194		92.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.187		mg/Kg wet	0.194		96.1	30-150			
<b>LCS Dup (B338593-BSD1)</b>										
Prepared: 04/27/23 Analyzed: 04/29/23										
Aroclor-1016	0.18	0.019	mg/Kg wet	0.190		92.0	40-140	3.67	30	
Aroclor-1016 [2C]	0.18	0.019	mg/Kg wet	0.190		93.1	40-140	2.65	30	
Aroclor-1260	0.17	0.019	mg/Kg wet	0.190		90.2	40-140	1.66	30	
Aroclor-1260 [2C]	0.18	0.019	mg/Kg wet	0.190		93.3	40-140	4.31	30	
Surrogate: Decachlorobiphenyl	0.217		mg/Kg wet	0.190		114	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.230		mg/Kg wet	0.190		121	30-150			
Surrogate: Tetrachloro-m-xylene	0.182		mg/Kg wet	0.190		95.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.189		mg/Kg wet	0.190		99.0	30-150			

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**QUALITY CONTROL**
**Polychlorinated Biphenyls By GC/ECD - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338593 - SW-846 3546</b>										
<b>Matrix Spike (B338593-MS1)</b>	<b>Source: 23D3156-01</b>			Prepared: 04/27/23 Analyzed: 04/29/23						
Aroclor-1016	0.29	0.13	mg/Kg dry	0.334	ND	85.4	40-140			
Aroclor-1016 [2C]	0.28	0.13	mg/Kg dry	0.334	ND	85.0	40-140			
Aroclor-1260	0.26	0.13	mg/Kg dry	0.334	ND	78.6	40-140			
Aroclor-1260 [2C]	0.26	0.13	mg/Kg dry	0.334	ND	79.1	40-140			
Surrogate: Decachlorobiphenyl	0.323		mg/Kg dry	0.334		96.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.374		mg/Kg dry	0.334		112	30-150			
Surrogate: Tetrachloro-m-xylene	0.394		mg/Kg dry	0.334		118	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.411		mg/Kg dry	0.334		123	30-150			
<b>Matrix Spike Dup (B338593-MSD1)</b>	<b>Source: 23D3156-01</b>			Prepared: 04/27/23 Analyzed: 04/29/23						
Aroclor-1016	0.27	0.13	mg/Kg dry	0.334	ND	81.0	40-140	5.24	30	
Aroclor-1016 [2C]	0.27	0.13	mg/Kg dry	0.334	ND	81.7	40-140	3.97	30	
Aroclor-1260	0.25	0.13	mg/Kg dry	0.334	ND	74.1	40-140	5.85	30	
Aroclor-1260 [2C]	0.25	0.13	mg/Kg dry	0.334	ND	76.0	40-140	4.02	30	
Surrogate: Decachlorobiphenyl	0.301		mg/Kg dry	0.334		90.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.354		mg/Kg dry	0.334		106	30-150			
Surrogate: Tetrachloro-m-xylene	0.272		mg/Kg dry	0.334		81.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.286		mg/Kg dry	0.334		85.7	30-150			

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**QUALITY CONTROL**
**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338466 - SW-846 3050B</b>										
<b>Blank (B338466-BLK1)</b>										
Prepared: 04/27/23 Analyzed: 04/28/23										
Aluminum	ND	16	mg/Kg wet							
Antimony	ND	1.6	mg/Kg wet							
Arsenic	ND	3.3	mg/Kg wet							
Barium	ND	1.6	mg/Kg wet							
Beryllium	ND	0.16	mg/Kg wet							
Cadmium	ND	0.33	mg/Kg wet							
Calcium	ND	16	mg/Kg wet							
Chromium	ND	0.65	mg/Kg wet							
Cobalt	ND	1.6	mg/Kg wet							
Copper	0.20	0.65	mg/Kg wet							J
Iron	ND	16	mg/Kg wet							
Lead	ND	0.49	mg/Kg wet							
Magnesium	ND	16	mg/Kg wet							
Manganese	ND	0.33	mg/Kg wet							
Nickel	ND	0.65	mg/Kg wet							
Potassium	ND	160	mg/Kg wet							
Sodium	ND	160	mg/Kg wet							
Thallium	ND	1.6	mg/Kg wet							
Vanadium	ND	0.65	mg/Kg wet							
Zinc	ND	0.65	mg/Kg wet							
<b>Blank (B338466-BLK2)</b>										
Prepared: 04/27/23 Analyzed: 05/03/23										
Selenium	ND	3.3	mg/Kg wet							
Silver	ND	0.33	mg/Kg wet							
<b>LCS (B338466-BS1)</b>										
Prepared: 04/27/23 Analyzed: 04/28/23										
Aluminum	6800	49	mg/Kg wet	8040		84.6	47.6-151.7			
Antimony	92.2	4.9	mg/Kg wet	129		71.5	9.8-189.9			
Arsenic	164	9.8	mg/Kg wet	183		89.7	83.1-116.9			
Barium	308	4.9	mg/Kg wet	297		104	82.2-118.2			
Beryllium	77.0	0.49	mg/Kg wet	78.8		97.7	83-117			
Cadmium	224	0.98	mg/Kg wet	221		102	82.4-117.2			
Calcium	4090	49	mg/Kg wet	4710		86.9	81.3-118.5			
Chromium	205	2.0	mg/Kg wet	200		102	81.5-118.5			
Cobalt	98.1	4.9	mg/Kg wet	97.4		101	83.3-117			
Copper	139	2.0	mg/Kg wet	136		102	83.8-116.2			
Iron	10400	49	mg/Kg wet	14000		74.1	60.1-140			
Lead	232	1.5	mg/Kg wet	257		90.2	82.1-117.9			
Magnesium	1950	49	mg/Kg wet	2290		85.2	75.5-124.5			
Manganese	368	0.98	mg/Kg wet	381		96.5	81.6-118.1			
Nickel	177	2.0	mg/Kg wet	169		105	82.2-117.2			
Potassium	1770	490	mg/Kg wet	2030		87.4	70-130			
Sodium	382	490	mg/Kg wet	427		89.4	74-126			J
Thallium	81.4	4.9	mg/Kg wet	80.5		101	80.7-119.4			
Vanadium	204	2.0	mg/Kg wet	205		99.6	78.5-121			
Zinc	211	2.0	mg/Kg wet	224		94.2	80.4-119.6			

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**QUALITY CONTROL**
**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338466 - SW-846 3050B</b>										
<b>LCS (B338466-BS2)</b>										
Prepared: 04/27/23 Analyzed: 05/03/23										
Selenium	214	9.8	mg/Kg wet	217		98.6	79.3-121.2			
Silver	71.3	0.98	mg/Kg wet	67.8		105	79.8-120.1			
<b>LCS Dup (B338466-BSD1)</b>										
Prepared: 04/27/23 Analyzed: 04/28/23										
Aluminum	7340	50	mg/Kg wet	8040		91.3	47.6-151.7	7.59	30	
Antimony	94.4	5.0	mg/Kg wet	129		73.2	9.8-189.9	2.33	30	
Arsenic	169	10	mg/Kg wet	183		92.6	83.1-116.9	3.15	30	
Barium	304	5.0	mg/Kg wet	297		102	82.2-118.2	1.41	20	
Beryllium	84.0	0.50	mg/Kg wet	78.8		107	83-117	8.65	30	
Cadmium	240	1.0	mg/Kg wet	221		109	82.4-117.2	6.72	20	
Calcium	4290	50	mg/Kg wet	4710		91.0	81.3-118.5	4.70	30	
Chromium	211	2.0	mg/Kg wet	200		105	81.5-118.5	2.89	30	
Cobalt	101	5.0	mg/Kg wet	97.4		103	83.3-117	2.63	20	
Copper	144	2.0	mg/Kg wet	136		106	83.8-116.2	3.04	30	
Iron	11500	50	mg/Kg wet	14000		82.1	60.1-140	10.2	30	
Lead	239	1.5	mg/Kg wet	257		92.8	82.1-117.9	2.85	30	
Magnesium	2140	50	mg/Kg wet	2290		93.3	75.5-124.5	9.07	30	
Manganese	393	1.0	mg/Kg wet	381		103	81.6-118.1	6.59	30	
Nickel	181	2.0	mg/Kg wet	169		107	82.2-117.2	2.41	30	
Potassium	1980	500	mg/Kg wet	2030		97.4	70-130	10.8	30	
Sodium	409	500	mg/Kg wet	427		95.7	74-126	6.82	30	J
Thallium	84.2	5.0	mg/Kg wet	80.5		105	80.7-119.4	3.40	30	
Vanadium	210	2.0	mg/Kg wet	205		102	78.5-121	2.82	30	
Zinc	221	2.0	mg/Kg wet	224		98.6	80.4-119.6	4.55	30	
<b>LCS Dup (B338466-BSD2)</b>										
Prepared: 04/27/23 Analyzed: 05/03/23										
Selenium	219	10	mg/Kg wet	217		101	79.3-121.2	2.32	30	
Silver	71.6	1.0	mg/Kg wet	67.8		106	79.8-120.1	0.499	30	
<b>Reference (B338466-SRM1) MRL CHECK</b>										
Prepared: 04/27/23 Analyzed: 04/28/23										
Lead	0.536	0.47	mg/Kg wet	0.474		113	80-120			
<b>Batch B338549 - SW-846 7471</b>										
<b>Blank (B338549-BLK1)</b>										
Prepared: 04/27/23 Analyzed: 05/05/23										
Mercury	ND	0.024	mg/Kg wet							
<b>LCS (B338549-BS1)</b>										
Prepared: 04/27/23 Analyzed: 05/05/23										
Mercury	28.5	3.7	mg/Kg wet	25.6		111	67.2-132.8			
<b>LCS Dup (B338549-BSD1)</b>										
Prepared: 04/27/23 Analyzed: 05/05/23										
Mercury	26.4	3.7	mg/Kg wet	25.6		103	67.2-132.8	7.85	20	

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**QUALITY CONTROL**
**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
<b>Batch B338642 - SW-846 7471</b>								
<b>Blank (B338642-BLK1)</b>				Prepared: 04/28/23 Analyzed: 05/09/23				
Mercury	ND	0.025	mg/Kg wet					
<b>LCS (B338642-BS1)</b>				Prepared: 04/28/23 Analyzed: 05/09/23				
Mercury	21.9	3.7	mg/Kg wet	25.6	85.5	67.2-132.8		
<b>LCS Dup (B338642-BSD1)</b>				Prepared: 04/28/23 Analyzed: 05/09/23				
Mercury	24.5	3.7	mg/Kg wet	25.6	95.8	67.2-132.8	11.3	20

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**QUALITY CONTROL**
**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338705 - Lloyd Kahn Method</b>										
<b>Blank (B338705-BLK1)</b>				Prepared & Analyzed: 05/01/23						
Total Organic Carbon	75	100	mg/Kg							J
<b>LCS (B338705-BS1)</b>				Prepared & Analyzed: 05/01/23						
Total Organic Carbon	728	100	mg/Kg	750		97.1	67.3-125			
<b>LCS Dup (B338705-BSD1)</b>				Prepared & Analyzed: 05/01/23						
Total Organic Carbon	784	100	mg/Kg	750		105	67.3-125	7.43	26.4	
<b>Duplicate (B338705-DUP1)</b>				<b>Source: 23D3156-01</b>			Prepared & Analyzed: 05/01/23			
Total Organic Carbon	13000	100	mg/Kg		16300			22.9	45.4	
<b>Batch B338860 - Lloyd Kahn Method</b>										
<b>Blank (B338860-BLK1)</b>				Prepared & Analyzed: 05/02/23						
Total Organic Carbon	73	100	mg/Kg							J
<b>LCS (B338860-BS1)</b>				Prepared & Analyzed: 05/02/23						
Total Organic Carbon	757	100	mg/Kg	750		101	67.3-125			
<b>LCS Dup (B338860-BSD1)</b>				Prepared & Analyzed: 05/02/23						
Total Organic Carbon	741	100	mg/Kg	750		98.7	67.3-125	2.15	26.4	
<b>Duplicate (B338860-DUP1)</b>				<b>Source: 23D3156-05</b>			Prepared & Analyzed: 05/02/23			
Total Organic Carbon	38500	100	mg/Kg		45400			16.3	45.4	
<b>Matrix Spike (B338860-MS1)</b>				<b>Source: 23D3156-05</b>			Prepared & Analyzed: 05/02/23			
Total Organic Carbon	32700	100	mg/Kg	750	45400	-1690 *	85-115			MS-07
<b>Batch B338878 - SW-846 9045C</b>										
<b>LCS (B338878-BS1)</b>				Prepared & Analyzed: 05/01/23						
pH	6.00		pH Units	6.00		100	90-110			
<b>LCS (B338878-BS2)</b>				Prepared & Analyzed: 05/01/23						
pH	5.99		pH Units	6.00		99.8	90-110			
<b>Duplicate (B338878-DUP2)</b>				<b>Source: 23D3156-13</b>			Prepared & Analyzed: 05/01/23			
pH	7.1		pH Units		7.1			0.282	5.52	H-03
<b>Batch B339022 - Lloyd Kahn Method</b>										
<b>Blank (B339022-BLK1)</b>				Prepared & Analyzed: 05/03/23						
Total Organic Carbon	80	100	mg/Kg							J



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**QUALITY CONTROL**
**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B339022 - Lloyd Kahn Method</b>										
<b>LCS (B339022-BS1)</b>				Prepared & Analyzed: 05/03/23						
Total Organic Carbon	773	100	mg/Kg	750		103	67.3-125			
<b>LCS Dup (B339022-BSD1)</b>				Prepared & Analyzed: 05/03/23						
Total Organic Carbon	758	100	mg/Kg	750		101	67.3-125	1.95	26.4	
<b>Duplicate (B339022-DUP1)</b>				Source: 23D3156-07			Prepared & Analyzed: 05/03/23			
Total Organic Carbon	72500	100	mg/Kg		79200			8.86	45.4	
<b>Matrix Spike (B339022-MS1)</b>				Source: 23D3156-06			Prepared & Analyzed: 05/03/23			
Total Organic Carbon	43400	100	mg/Kg	75.0	30800	16700 *	85-115			MS-11
<b>Batch B339349 - Lloyd Kahn Method</b>										
<b>Blank (B339349-BLK1)</b>				Prepared & Analyzed: 05/05/23						
Total Organic Carbon	75	100	mg/Kg							J
<b>LCS (B339349-BS1)</b>				Prepared & Analyzed: 05/05/23						
Total Organic Carbon	597	100	mg/Kg	750		79.5	67.3-125			
<b>LCS Dup (B339349-BSD1)</b>				Prepared & Analyzed: 05/05/23						
Total Organic Carbon	583	100	mg/Kg	750		77.8	67.3-125	2.27	26.4	
<b>Batch B339501 - Lloyd Kahn Method</b>										
<b>Blank (B339501-BLK1)</b>				Prepared & Analyzed: 05/08/23						
Total Organic Carbon	79	100	mg/Kg							J
<b>LCS (B339501-BS1)</b>				Prepared & Analyzed: 05/08/23						
Total Organic Carbon	766	100	mg/Kg	750		102	67.3-125			
<b>LCS Dup (B339501-BSD1)</b>				Prepared & Analyzed: 05/08/23						
Total Organic Carbon	751	100	mg/Kg	750		100	67.3-125	1.93	26.4	

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## IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

**SED-02A-20230425**

*SW-846 8082A*

 Lab Sample ID: 23D3156-02 Date(s) Analyzed: 04/29/2023 04/29/2023

 Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.25	
	2	0.000	0.000	0.000	0.22	12.8
Aroclor-1260	1	0.000	0.000	0.000	0.071	
	2	0.000	0.000	0.000	0.069	2.9

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## IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

**SED-DUP-20230425**

*SW-846 8082A*

 Lab Sample ID: 23D3156-13 Date(s) Analyzed: 05/04/2023 05/04/2023

 Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.10	18.2

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## IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

**LCS**
*SW-846 8082A*

 Lab Sample ID:                     B338593-BS1                                          Date(s) Analyzed:           04/29/2023                     04/29/2023          

 Instrument ID (1):                     ECD4                                          Instrument ID (2):                     ECD4                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.17	
	2	0.000	0.000	0.000	0.18	5.7
Aroclor-1260	1	0.000	0.000	0.000	0.17	
	2	0.000	0.000	0.000	0.17	0.0

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**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

LCS Dup

Lab Sample ID:           B338593-BSD1                                Date(s) Analyzed:           04/29/2023                     04/29/2023          

Instrument ID (1):           ECD4                                                Instrument ID (2):           ECD4          

GC Column (1):                                      ID:                                      (mm)                      GC Column (2):                                      ID:                                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.18	
	2	0.000	0.000	0.000	0.18	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.17	
	2	0.000	0.000	0.000	0.18	5.7

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**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B338593-MS1                                             Date(s) Analyzed:           04/29/2023                     04/29/2023          

Instrument ID (1):                   ECD4                                             Instrument ID (2):                   ECD4                  

GC Column (1):   ID:   (mm)                           GC Column (2):   ID:   (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.29	
	2	0.000	0.000	0.000	0.28	3.5
Aroclor-1260	1	0.000	0.000	0.000	0.26	
	2	0.000	0.000	0.000	0.26	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                     B338593-MSD1                              Date(s) Analyzed:           04/29/2023                     04/29/2023          

Instrument ID (1):                     ECD4                              Instrument ID (2):                     ECD4                    

GC Column (1):                            ID:                            (mm)          GC Column (2):                            ID:                            (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.27	
	2	0.000	0.000	0.000	0.27	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.25	
	2	0.000	0.000	0.000	0.25	0.0

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
H-03	Sample received after recommended holding time was exceeded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-06	Laboratory fortified blank/laboratory control sample recovery and/or duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.
MS-11	Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.
Z-01	Results over calibration curve. Result is estimated due to method limitations.



**CERTIFICATIONS**
**Certified Analyses included in this Report**

Analyte	Certifications
<b><i>Lloyd Kahn Method in Soil</i></b>	
Total Organic Carbon	NY,CT,ME,VA,NH
<b><i>SW-846 6010D in Soil</i></b>	
Aluminum	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Magnesium	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Sodium	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
<b><i>SW-846 6010D in Water</i></b>	
Aluminum	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,RI,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Magnesium	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Sodium	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC

**CERTIFICATIONS**
**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Water</b>	
Zinc	CT,NH,NY,ME,VA,NC
<b>SW-846 7471B in Soil</b>	
Mercury	CT,NH,NY,NC,ME,VA
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA
<b>SW-846 8082A in Water</b>	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA
<b>SW-846 8260D in Soil</b>	
Acetone	CT,NH,NY,ME,VA
Acetone	CT,NH,NY,ME,VA
Benzene	CT,NH,NY,ME,VA

**CERTIFICATIONS**
**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8260D in Soil</i>	
Benzene	CT,NH,NY,ME,VA
Bromochloromethane	NH,NY,ME,VA
Bromochloromethane	NH,NY,ME,VA
Bromodichloromethane	CT,NH,NY,ME,VA
Bromodichloromethane	CT,NH,NY,ME,VA
Bromoform	CT,NH,NY,ME,VA
Bromoform	CT,NH,NY,ME,VA
Bromomethane	CT,NH,NY,ME,VA
Bromomethane	CT,NH,NY,ME,VA
2-Butanone (MEK)	CT,NH,NY,ME,VA
2-Butanone (MEK)	CT,NH,NY,ME,VA
Carbon Disulfide	CT,NH,NY,ME,VA
Carbon Disulfide	CT,NH,NY,ME,VA
Carbon Tetrachloride	CT,NH,NY,ME,VA
Carbon Tetrachloride	CT,NH,NY,ME,VA
Chlorobenzene	CT,NH,NY,ME,VA
Chlorobenzene	CT,NH,NY,ME,VA
Chlorodibromomethane	CT,NH,NY,ME,VA
Chlorodibromomethane	CT,NH,NY,ME,VA
Chloroethane	CT,NH,NY,ME,VA
Chloroethane	CT,NH,NY,ME,VA
Chloroform	CT,NH,NY,ME,VA
Chloroform	CT,NH,NY,ME,VA
Chloromethane	CT,NH,NY,ME,VA
Chloromethane	CT,NH,NY,ME,VA
Cyclohexane	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromo-3-chloropropane (DBCP)	NY,ME
1,2-Dibromoethane (EDB)	NH,NY
1,2-Dibromoethane (EDB)	NH,NY
1,2-Dichlorobenzene	CT,NH,NY,ME,VA
1,2-Dichlorobenzene	CT,NH,NY,ME,VA
1,3-Dichlorobenzene	CT,NH,NY,ME,VA
1,3-Dichlorobenzene	CT,NH,NY,ME,VA
1,4-Dichlorobenzene	CT,NH,NY,ME,VA
1,4-Dichlorobenzene	CT,NH,NY,ME,VA
Dichlorodifluoromethane (Freon 12)	NY,ME,VA
Dichlorodifluoromethane (Freon 12)	NH,NY,ME,VA
1,1-Dichloroethane	CT,NH,NY,ME,VA
1,1-Dichloroethane	CT,NH,NY,ME,VA
1,2-Dichloroethane	CT,NH,NY,ME,VA
1,2-Dichloroethane	CT,NH,NY,ME,VA
1,1-Dichloroethylene	CT,NH,NY,ME,VA
1,1-Dichloroethylene	CT,NH,NY,ME,VA
cis-1,2-Dichloroethylene	CT,NH,NY,ME,VA
cis-1,2-Dichloroethylene	CT,NH,NY,ME,VA
trans-1,2-Dichloroethylene	CT,NH,NY,ME,VA

## CERTIFICATIONS

## Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Soil</i>	
trans-1,2-Dichloroethylene	CT,NH,NY,ME,VA
1,2-Dichloropropane	CT,NH,NY,ME,VA
1,2-Dichloropropane	CT,NH,NY,ME,VA
cis-1,3-Dichloropropene	CT,NH,NY,ME,VA
cis-1,3-Dichloropropene	CT,NH,NY,ME,VA
trans-1,3-Dichloropropene	CT,NH,NY,ME,VA
trans-1,3-Dichloropropene	CT,NH,NY,ME,VA
1,4-Dioxane	NY,ME
Ethylbenzene	CT,NH,NY,ME,VA
Ethylbenzene	CT,NH,NY,ME,VA
Hexachlorobutadiene	NH,NY,ME,VA
Hexachlorobutadiene	NH,NY,ME,VA
2-Hexanone (MBK)	CT,NH,NY,ME,VA
2-Hexanone (MBK)	CT,NH,NY,ME,VA
Isopropylbenzene (Cumene)	CT,NH,NY,ME,VA
Isopropylbenzene (Cumene)	CT,NH,NY,ME,VA
Methyl Acetate	NY,ME
Methyl tert-Butyl Ether (MTBE)	NY,ME,VA
Methyl tert-Butyl Ether (MTBE)	NY,VA
Methyl Cyclohexane	NY
Methylene Chloride	CT,NH,NY,ME,VA
Methylene Chloride	CT,NH,NY,ME,VA
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME,VA
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,VA
Naphthalene	NH,NY,ME,VA
Naphthalene	NH,NY,ME,VA
Styrene	CT,NH,NY,ME,VA
Styrene	CT,NH,NY,ME,VA
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME,VA
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME,VA
Tetrachloroethylene	CT,NH,NY,ME,VA
Tetrachloroethylene	CT,NH,NY,ME,VA
Toluene	CT,NH,NY,ME,VA
Toluene	CT,NH,NY,ME,VA
1,2,3-Trichlorobenzene	NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME,VA
1,2,4-Trichlorobenzene	NH,NY,ME,VA
1,1,1-Trichloroethane	CT,NH,NY,ME,VA
1,1,1-Trichloroethane	CT,NH,NY,ME,VA
1,1,2-Trichloroethane	CT,NH,NY,ME,VA
1,1,2-Trichloroethane	CT,NH,NY,ME,VA
Trichloroethylene	CT,NH,NY,ME,VA
Trichloroethylene	CT,NH,NY,ME,VA
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME,VA
Trichlorofluoromethane (Freon 11)	CT,NH,NY,VA
Vinyl Chloride	CT,NH,NY,ME,VA
Vinyl Chloride	CT,NH,NY,ME,VA

**CERTIFICATIONS**
**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 8260D in Soil</b>	
Xylenes (total)	NH,NY,ME
<b>SW-846 8270E in Soil</b>	
Atrazine	ME,NC
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Acetophenone	NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Bis(2-chloroethoxy)methane	CT,NY,NH,ME,NC,VA
Bis(2-chloroethyl)ether	CT,NY,NH,ME,NC,VA
Bis(2-chloroisopropyl)ether	CT,NY,NH,ME,NC,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NH,ME,NC,VA
4-Bromophenylphenylether	CT,NY,NH,ME,NC,VA
Butylbenzylphthalate	CT,NY,NH,ME,NC,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NH,ME,NC,VA
4-Chloro-3-methylphenol	CT,NY,NH,ME,NC,VA
2-Chloronaphthalene	CT,NY,NH,NC,VA
2-Chlorophenol	CT,NY,NH,ME,NC,VA
4-Chlorophenylphenylether	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Dibenzofuran	CT,NY,NH,ME,NC,VA
Di-n-butylphthalate	CT,NY,NH,ME,NC,VA
1,2-Dichlorobenzene	NY,NH,ME,NC,VA
1,3-Dichlorobenzene	NY,NH,ME,NC,VA
1,4-Dichlorobenzene	NY,NH,ME,NC,VA
3,3-Dichlorobenzidine	CT,NY,NH,ME,NC,VA
2,4-Dichlorophenol	CT,NY,NH,ME,NC,VA
Diethylphthalate	CT,NY,NH,ME,NC,VA
2,4-Dimethylphenol	CT,NY,NH,ME,NC,VA
Dimethylphthalate	CT,NY,NH,ME,NC,VA
4,6-Dinitro-2-methylphenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrophenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrotoluene	CT,NY,NH,ME,NC,VA
2,6-Dinitrotoluene	CT,NY,NH,ME,NC,VA
Di-n-octylphthalate	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	NY,NH,ME,NC,VA
Hexachlorobenzene	CT,NY,NH,ME,NC,VA
Hexachlorobutadiene	CT,NY,NH,ME,NC,VA
Hexachlorocyclopentadiene	CT,NY,NH,ME,NC,VA

## CERTIFICATIONS

## Certified Analyses included in this Report

Analyte	Certifications
<b><i>SW-846 8270E in Soil</i></b>	
Hexachloroethane	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Isophorone	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
2-Methylphenol	CT,NY,NH,ME,NC,VA
3/4-Methylphenol	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
2-Nitroaniline	CT,NY,NH,ME,NC,VA
3-Nitroaniline	CT,NY,NH,ME,NC,VA
4-Nitroaniline	CT,NY,NH,ME,NC,VA
Nitrobenzene	CT,NY,NH,ME,NC,VA
2-Nitrophenol	CT,NY,NH,ME,NC,VA
4-Nitrophenol	CT,NY,NH,ME,NC,VA
N-Nitrosodi-n-propylamine	CT,NY,NH,ME,NC,VA
Pentachlorophenol	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Phenol	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NH,ME,NC,VA
2,4,5-Trichlorophenol	CT,NY,NH,ME,NC,VA
2,4,6-Trichlorophenol	CT,NY,NH,ME,NC,VA
2-Fluorophenol	NC
<b><i>SW-846 8270E in Water</i></b>	
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-chloroisopropyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA

**CERTIFICATIONS**
**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8270E in Water</i>	
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,3-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,NC,ME,NH,VA
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023



Chain of Custody Record (New York)  
 https://www.pacelabs.com/  
 Doc # 380 Rev 1\_03242017  
 1800 Elm Street SE  
 Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/  
 Company Name: NYSDEC  
 Address: 625 Broadway, 12th Floor, Albany, NY 12233  
 Phone: 518-402-2754  
 Project Name: Rock CRD Landfill  
 Project Location: Milton, NY  
 Project Number: DEC #546061  
 Project Manager: Anthony Bolasina  
 Pace Analytical Quote Name/Number: Callout ID: 147267  
 Invoice Recipient: NYSDEC  
 Sampled By: AJB/MS/PP/BOB/JA/KG/SJ

Requested Turnaround Time:  7-Day  10-Day  10-Day  
 Due Date: \_\_\_\_\_  
 Rush-Approval Required:  1-Day  3-Day  2-Day  4-Day  
 Data Delivery:  PDF  EXCEL  
 Other: \_\_\_\_\_  
 CLP Like Data Pkg Required:   
 Email To: anthony\_bolasina@dec.ny.gov  
 Fax To #: \_\_\_\_\_

Matrix Code	Grab	Composite	TIME	DATE	Client Sample ID / Description	DATE	Matrix Code	Conc Code
SE	X		9:50 AM	4/25/2023	SED-01A-20230425	4/25/2023	SE	3
SE	X		1430	4/25/2023	SED-02A-20230425	4/25/2023	SE	3
SE	X		1530	4/25/2023	SED-03A-20230425	4/25/2023	SE	3
SE	X		1530	4/25/2023	SED-04A-20230425	4/25/2023	SE	3
SE	X		1600	4/25/2023	SED-05-20230425	4/25/2023	SE	3
SE	X		1445	4/25/2023	SED-06-20230425	4/25/2023	SE	3
SE	X		2:45 PM	4/25/2023	SED-07-20230425	4/25/2023	SE	3
SE	X		1530	4/25/2023	SED-08-20230425	4/25/2023	SE	3
SE	X		1500	4/25/2023	SED-09-20230425	4/25/2023	SE	3
SE	X		1600	4/25/2023	SED-10-20230425	4/25/2023	SE	3

**ANALYSIS REQUESTED**

Analysis Code	Request	Request	Request	Request	Request	Request	Request	Request
TCL SVOCs (8270)/TAL Metals (6010)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plus Hg (7471)/PCBS (8082)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PH (9040/9041)/TOC (Lloyd Kahn)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TCL VOCs (8260)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments: NYS EDD & CAT B deliverables

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

- 1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)  
 SW = surface water SW-I
- SE - sediment**  
**Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)
- 3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 4-26-23 0931  
 Received by: (signature) \_\_\_\_\_ Date/Time: 4-26-23 9:11  
 Relinquished by: (signature) \_\_\_\_\_ Date/Time: 4-26-23 1430  
 Relinquished by: (signature) \_\_\_\_\_ Date/Time: 4-26-23 1530  
 Relinquished by: (signature) \_\_\_\_\_ Date/Time: 4/26/23 1530

**Program & Regulatory Information**  
 AWQ STDS  
 NYC Sewer Discharge  
 Part 360 GW (Landfill)  
 NY Restricted Use  
 NY Unrestricted Use  
 NY Part 375

**Deliverables**  
 Enhanced Data Package  
 NYSDEC EQUIS EDD  
 EQUIS (Standard) EDD  
 NY Regulatory EDD  
 NY Regs Hits-Only EDD

**Other:** \_\_\_\_\_

**Subject Entry**  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 WRTA  
 Chromatogram  
 AIHA-LAP, LLC

PCB ONLY  
 Soxhlet  
 Non Soxhlet



3.0, 4.5, 3.2, 2.5, 2.9, 3.4, 3.8, 4.3, 3.6 4/26/23 1745

**Contact:** <https://www.pacelabs.com/contact-us/contact-environmental-sciences/>  
**Company Name:** NYSDEC  
**Address:** 625 Broadway, 12th Floor, Albany, NY 12233  
**Phone:** 518-402-2754  
**Project Name:** Rock C&D Landfill  
**Project Location:** Milton, NY  
**Project Number:** DEC #546061  
**Project Manager:** Anthony Bolasina  
**Pace Analytical Quote Name/Number:** Callout ID: 147267  
**Invoice Recipient:** NYSDEC  
**Sampled By:** AJB/MS/PP/BOB/JA/KG/SJ

Client Sample ID / Description	DATE	TIME	Composite	Grab	Matrix Code	Conc Code
11 SED-11-20230425	4/25/2023	1620		X	SE	
12 SED-13-20230425	4/25/2023	2:00 PM		X	SE	
13 SED-DUP-20230425	4/25/2023	...		X	SE	

**Requested Turnaround Time:** 7-Day  10-Day

**Due Date:** 3 0 3 9 0 0 0 0

**Rush-Approval Required:** 1-Day  3-Day  2-Day  4-Day

**Data Delivery:** Format: PDF  EXCEL  Other: \_\_\_\_\_

**CLP Like Data Pkg Required:**

**Email To:** anthony.bolasina@dec.ny.gov

**Fax To #:** \_\_\_\_\_

**ANALYSIS REQUESTED**

TCL SVOCs (8270)/TAL Metals (6010)/PCBS (8082)	1	1	1	3
PH (9040/9041)/TOC (Lloyd Kahn)				
TCL VOCs (8260)				

**Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)  
 SE = sediment

**Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet

**Comments:**  
 Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Program & Regulatory Information**

**Deliverables**

**Project Entity**

**Relinquished by:** (signature) Date/Time: 4-26-23 9:31  
 Received by: (signature) Date/Time: 4-26-23 9:31  
 Relinquished by: (signature) Date/Time: 4-26-23 14:30  
 Relinquished by: (signature) Date/Time: 4-26-23 17:30  
 Relinquished by: (signature) Date/Time: 4-26-23 15:30  
 Relinquished by: (signature) Date/Time: 4/26/23 17:45

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39 Spruce St.  
 East Longmeadow, MA. 01028  
 P: 413-525-2332  
 F: 413-525-6405  
 www.pacelabs.com

# Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing  
 – Using Acceptance Policy) Any False statement will be  
 brought to the attention of the Client – True or False



Client NYDEC  
 Project Rock C&D Landfill  
 MCP/RCP Required No  
 Deliverable Package Req. No  
 Location Milton, NY  
 PWSID# (When Applicable) NA  
 Arrival Method:  
 Courier  Fed Ex  Walk In  Other   
 Received By / Date / Time DWW 4/26/23 1745  
 Back-Sheet By / Date / Time KL 4/26/23 2125  
 Temperature Method gun # 5  
 Temp  < 6° C Actual Temperature 3.0, 4.5, 3.2, 2.5, 2.9  
 Rush Samples: Yes /  No Notify 3.4, 3.8, 4.3, 3.6  
 Short Hold:  Yes / No Notify Javier

	True	False
Received on Ice	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Received in Cooler	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Custody Seal: DATE TIME	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Relinquished	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC/Samples Labels Agree	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Samples in Good Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Samples Received within Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there enough Volume	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proper Media/Container Used	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Splitting Samples Required	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MS/MSD	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Trip Blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lab to Filters	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Legible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC Included: (Check all included)		
Client <input checked="" type="checkbox"/>	Analysis <input checked="" type="checkbox"/>	Sampler Name <input checked="" type="checkbox"/>
Project <input checked="" type="checkbox"/>	IDs <input checked="" type="checkbox"/>	Collection Date/Time <input checked="" type="checkbox"/>
All Samples Proper pH:	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/>

**Notes regarding Samples/COC outside of SOP:**

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Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	Na2S2O3	Other Preservative	
1L Amber Plastic									
500 mL Amber Plastic									
250 mL Amber Plastic									
Other Amber Clear Plastic									
16oz Amber Clear									
8oz <u>Amber</u> Clear	26								
4oz Amber Clear									
2oz Amber Clear									
Col/Bacteria									
Flashpoint									
Plastic Bag									
SOC Kit									
Perchlorate									
Encore									
Frozen									
	Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials	1			13	26				

May 10, 2023

Anthony Bollasina  
NYS Division of Environmental Remediation  
625 Broadway 12th Floor  
Albany, NY 12233-7012

Project Location: Milton, NY  
Client Job Number:  
Project Number: 546061  
Laboratory Work Order Number: 23D3155

Enclosed are results of analyses for samples as received by the laboratory on April 26, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

 NYS Division of Environmental Remediation  
 625 Broadway 12th Floor  
 Albany, NY 12233-7012  
 ATTN: Anthony Bollasina

REPORT DATE: 5/10/2023

PURCHASE ORDER NUMBER: 147267

PROJECT NUMBER: 546061

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 23D3155

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Milton, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SW-01A-20230425	23D3155-01	Surface Water		SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260D SW-846 8270E	
SW-02A-20230425	23D3155-02	Surface Water		SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260D SW-846 8270E	
SW-03A-20230425	23D3155-03	Surface Water		SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260D SW-846 8270E	
SW-04A-20230425	23D3155-04	Surface Water		SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260D SW-846 8270E	
SW-05-20230425	23D3155-05	Surface Water		SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260D SW-846 8270E	
SW-06-20230425	23D3155-06	Surface Water		SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260D SW-846 8270E	
SW-07-20230425	23D3155-07	Surface Water		SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260D SW-846 8270E	
SW-08-20230425	23D3155-08	Surface Water		SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260D SW-846 8270E	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

 NYS Division of Environmental Remediation  
 625 Broadway 12th Floor  
 Albany, NY 12233-7012  
 ATTN: Anthony Bollasina

REPORT DATE: 5/10/2023

PURCHASE ORDER NUMBER: 147267

PROJECT NUMBER: 546061

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 23D3155

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Milton, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SW-09-20230425	23D3155-09	Surface Water		SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260D SW-846 8270E	
SW-10-20230425	23D3155-10	Surface Water		SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260D SW-846 8270E	
SW-11-20230425	23D3155-11	Surface Water		SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260D SW-846 8270E	
SW-13-20230425	23D3155-12	Surface Water		SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260D SW-846 8270E	
SW-DUP-20230425	23D3155-13	Surface Water		SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260D SW-846 8270E	



**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

**SW-846 8260D****Qualifications:****PR-07**

pH of sample (pH 4) is outside of method specified preservation criteria.

**Analyte & Samples(s) Qualified:**

23D3155-04[SW-04A-20230425]

**RL-12**

Elevated reporting limit due to matrix interference.

**Analyte & Samples(s) Qualified:**

23D3155-02[SW-02A-20230425], 23D3155-04[SW-04A-20230425], 23D3155-06[SW-06-20230425], 23D3155-07[SW-07-20230425], 23D3155-10[SW-10-20230425], 23D3155-11[SW-11-20230425], 23D3155-12[SW-13-20230425], 23D3155-13[SW-DUP-20230425]

**V-20**

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

**Analyte & Samples(s) Qualified:****Bromomethane**

B338608-BS1, B338608-BSD1, S087007-CCV1

**Dichlorodifluoromethane (Freon 12)**

B338514-BS1, B338514-BSD1, S086684-CCV1

**SW-846 8270E****Qualifications:****L-04**

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

**Analyte & Samples(s) Qualified:****Caprolactam**

B338908-BLK1, B338908-BS1, B338908-BSD1

**R-05**

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

**Analyte & Samples(s) Qualified:****4-Chloroaniline**

B338908-BLK1, B338908-BS1, B338908-BSD1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Technical Representative

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3155-01

Sample Matrix: Surface Water

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3155-01

Sample Matrix: Surface Water

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/28/23	4/29/23 15:42	EEH
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		112	70-130						4/29/23 15:42	
Toluene-d8		101	70-130						4/29/23 15:42	
4-Bromofluorobenzene		89.6	70-130						4/29/23 15:42	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3155-01

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	21	0.57	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Benzaldehyde	ND	10	0.47	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Biphenyl	ND	21	0.43	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Caprolactam	ND	10	0.29	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Acenaphthene	ND	5.2	0.56	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Acenaphthylene	ND	5.2	0.58	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Acetophenone	ND	10	0.52	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Anthracene	ND	5.2	0.52	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Benzo(a)anthracene	ND	5.2	0.48	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Benzo(a)pyrene	ND	5.2	0.72	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Benzo(b)fluoranthene	ND	5.2	0.57	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Benzo(g,h,i)perylene	ND	5.2	0.70	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Benzo(k)fluoranthene	ND	5.2	0.65	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Bis(2-chloroethoxy)methane	ND	10	0.44	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Bis(2-chloroethyl)ether	ND	10	0.51	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Bis(2-chloroisopropyl)ether	ND	10	0.67	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Bis(2-Ethylhexyl)phthalate	ND	10	0.87	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
4-Bromophenylphenylether	ND	10	0.54	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Butylbenzylphthalate	ND	10	0.68	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Carbazole	ND	10	0.47	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
4-Chloroaniline	ND	10	0.65	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
4-Chloro-3-methylphenol	ND	10	0.54	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
2-Chloronaphthalene	ND	10	0.54	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
2-Chlorophenol	ND	10	0.47	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
4-Chlorophenylphenylether	ND	10	0.57	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Chrysene	ND	5.2	0.46	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Dibenz(a,h)anthracene	ND	5.2	0.77	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Dibenzofuran	ND	5.2	0.58	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Di-n-butylphthalate	ND	10	0.51	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
3,3-Dichlorobenzidine	ND	10	0.81	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
2,4-Dichlorophenol	ND	10	0.51	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Diethylphthalate	ND	10	0.43	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
2,4-Dimethylphenol	ND	10	0.52	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Dimethylphthalate	ND	10	0.40	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
4,6-Dinitro-2-methylphenol	ND	10	8.8	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
2,4-Dinitrophenol	ND	10	8.8	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
2,4-Dinitrotoluene	ND	10	0.70	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
2,6-Dinitrotoluene	ND	10	0.58	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Di-n-octylphthalate	ND	10	3.2	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Fluoranthene	ND	5.2	0.50	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Fluorene	ND	5.2	0.56	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Hexachlorobenzene	ND	10	0.60	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Hexachlorobutadiene	ND	10	0.77	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Hexachlorocyclopentadiene	ND	10	6.2	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3155-01

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	10	0.74	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Indeno(1,2,3-cd)pyrene	ND	5.2	0.81	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Isophorone	ND	10	0.54	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
2-Methylnaphthalene	ND	5.2	0.70	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
2-Methylphenol	ND	10	0.51	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
3/4-Methylphenol	ND	10	0.45	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Naphthalene	ND	5.2	0.62	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
2-Nitroaniline	ND	10	0.75	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
3-Nitroaniline	ND	10	0.61	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
4-Nitroaniline	ND	10	0.70	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Nitrobenzene	ND	10	0.60	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
2-Nitrophenol	ND	10	0.53	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
4-Nitrophenol	ND	10	2.0	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.45	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
N-Nitrosodi-n-propylamine	ND	10	0.60	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Pentachlorophenol	ND	10	0.69	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Phenanthrene	ND	5.2	0.53	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Phenol	ND	10	0.20	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
Pyrene	ND	5.2	0.68	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
1,2,4,5-Tetrachlorobenzene	ND	10	0.68	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
2,4,5-Trichlorophenol	ND	10	0.57	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2
2,4,6-Trichlorophenol	ND	10	0.49	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:22	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	46.9	15-110	5/3/23 19:22
Phenol-d6	32.9	15-110	5/3/23 19:22
Nitrobenzene-d5	71.9	30-130	5/3/23 19:22
2-Fluorobiphenyl	78.3	30-130	5/3/23 19:22
2,4,6-Tribromophenol	88.7	15-110	5/3/23 19:22
p-Terphenyl-d14	89.9	30-130	5/3/23 19:22

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3155-01

Sample Matrix: Surface Water

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	0.059	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:10	TG
Aroclor-1221 [1]	ND	0.21	0.082	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:10	TG
Aroclor-1232 [1]	ND	0.21	0.074	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:10	TG
Aroclor-1242 [1]	ND	0.21	0.079	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:10	TG
Aroclor-1248 [1]	ND	0.21	0.083	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:10	TG
Aroclor-1254 [1]	ND	0.21	0.082	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:10	TG
Aroclor-1260 [1]	ND	0.21	0.061	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:10	TG
Aroclor-1262 [1]	ND	0.21	0.095	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:10	TG
Aroclor-1268 [1]	ND	0.21	0.075	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:10	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		110	30-150						5/3/23 11:10	
Decachlorobiphenyl [2]		101	30-150						5/3/23 11:10	
Tetrachloro-m-xylene [1]		85.7	30-150						5/3/23 11:10	
Tetrachloro-m-xylene [2]		81.5	30-150						5/3/23 11:10	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-01A-20230425

Sampled: 4/25/2023 09:50

Sample ID: 23D3155-01

Sample Matrix: Surface Water

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.43	0.050	0.045	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:00	NC
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:00	NC
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:00	NC
Barium	0.016	0.050	0.0051	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 22:00	NC
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:00	NC
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:00	NC
Calcium	26	0.50	0.22	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:00	NC
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:00	NC
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:00	NC
Copper	0.0039	0.010	0.0036	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 22:00	NC
Iron	0.31	0.050	0.047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:00	NC
Lead	ND	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:00	NC
Magnesium	5.7	0.050	0.0095	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:00	NC
Manganese	0.18	0.010	0.0033	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:00	NC
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	4/27/23	5/9/23 11:15	AAJ
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:00	NC
Potassium	0.58	2.0	0.28	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 22:00	NC
Selenium	ND	0.050	0.014	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:00	NC
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:00	NC
Sodium	100	2.0	1.2	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:00	NC
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:00	NC
Vanadium	ND	0.010	0.0038	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:00	NC
Zinc	0.027	0.010	0.0042	mg/L	1		SW-846 6010D	4/27/23	5/4/23 14:49	NC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-02A-20230425

Sampled: 4/25/2023 14:30

Sample ID: 23D3155-02

Sample Matrix: Surface Water

Sample Flags: RL-12

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	6.3	100	4.0	µg/L	2	J	SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Benzene	ND	2.0	0.37	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Bromochloromethane	ND	2.0	0.57	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Bromodichloromethane	ND	1.0	0.32	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Bromoform	ND	2.0	0.82	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Bromomethane	ND	4.0	2.6	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
2-Butanone (MEK)	ND	40	3.4	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Carbon Disulfide	ND	10	3.1	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Chlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Chlorodibromomethane	ND	1.0	0.40	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Chloroethane	ND	4.0	0.68	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Chloroform	ND	4.0	0.28	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Cyclohexane	ND	10	3.5	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.7	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
1,2-Dibromoethane (EDB)	ND	1.0	0.32	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
1,2-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
1,3-Dichlorobenzene	ND	2.0	0.27	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.32	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
1,1-Dichloroethane	ND	2.0	0.27	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
1,2-Dichloroethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
cis-1,2-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
1,2-Dichloropropane	ND	2.0	0.39	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
cis-1,3-Dichloropropene	ND	1.0	0.33	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
trans-1,3-Dichloropropene	ND	1.0	0.28	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
1,4-Dioxane	ND	100	36	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Ethylbenzene	ND	2.0	0.44	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
2-Hexanone (MBK)	ND	20	2.4	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Isopropylbenzene (Cumene)	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Methyl Acetate	ND	2.0	1.2	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Methyl Cyclohexane	ND	2.0	0.31	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Methylene Chloride	ND	10	0.35	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Styrene	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	0.27	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Tetrachloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
1,2,3-Trichlorobenzene	ND	10	0.68	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
1,2,4-Trichlorobenzene	ND	2.0	0.60	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-02A-20230425

Sampled: 4/25/2023 14:30

Sample ID: 23D3155-02

Sample Matrix: Surface Water

Sample Flags: RL-12

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
1,1,2-Trichloroethane	ND	2.0	0.38	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Trichloroethylene	ND	2.0	0.35	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	0.31	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.42	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Vinyl Chloride	ND	4.0	0.47	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Xylenes (total)	ND	2.0	2.0	µg/L	2		SW-846 8260D	4/28/23	4/29/23 16:08	EEH
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		112	70-130						4/29/23 16:08	
Toluene-d8		104	70-130						4/29/23 16:08	
4-Bromofluorobenzene		90.0	70-130						4/29/23 16:08	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-02A-20230425

Sampled: 4/25/2023 14:30

Sample ID: 23D3155-02

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	23	0.62	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Benzaldehyde	ND	11	0.51	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Biphenyl	ND	23	0.47	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Caprolactam	ND	11	0.32	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Acenaphthene	ND	5.7	0.61	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Acenaphthylene	ND	5.7	0.64	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Acetophenone	ND	11	0.57	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Anthracene	ND	5.7	0.56	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Benzo(a)anthracene	ND	5.7	0.52	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Benzo(a)pyrene	ND	5.7	0.79	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Benzo(b)fluoranthene	ND	5.7	0.62	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Benzo(g,h,i)perylene	ND	5.7	0.77	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Benzo(k)fluoranthene	ND	5.7	0.72	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Bis(2-chloroethoxy)methane	ND	11	0.48	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Bis(2-chloroethyl)ether	ND	11	0.56	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Bis(2-chloroisopropyl)ether	ND	11	0.73	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Bis(2-Ethylhexyl)phthalate	ND	11	0.95	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
4-Bromophenylphenylether	ND	11	0.60	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Butylbenzylphthalate	ND	11	0.75	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Carbazole	ND	11	0.52	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
4-Chloroaniline	ND	11	0.71	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
4-Chloro-3-methylphenol	ND	11	0.59	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
2-Chloronaphthalene	ND	11	0.59	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
2-Chlorophenol	ND	11	0.52	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
4-Chlorophenylphenylether	ND	11	0.63	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Chrysene	ND	5.7	0.51	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Dibenz(a,h)anthracene	ND	5.7	0.84	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Dibenzofuran	ND	5.7	0.64	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Di-n-butylphthalate	ND	11	0.56	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
3,3-Dichlorobenzidine	ND	11	0.89	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
2,4-Dichlorophenol	ND	11	0.56	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Diethylphthalate	ND	11	0.47	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
2,4-Dimethylphenol	ND	11	0.57	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Dimethylphthalate	ND	11	0.44	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
4,6-Dinitro-2-methylphenol	ND	11	9.7	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
2,4-Dinitrophenol	ND	11	9.6	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
2,4-Dinitrotoluene	ND	11	0.76	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
2,6-Dinitrotoluene	ND	11	0.64	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Di-n-octylphthalate	ND	11	3.5	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Fluoranthene	ND	5.7	0.55	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Fluorene	ND	5.7	0.61	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Hexachlorobenzene	ND	11	0.66	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Hexachlorobutadiene	ND	11	0.85	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Hexachlorocyclopentadiene	ND	11	6.8	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-02A-20230425

Sampled: 4/25/2023 14:30

Sample ID: 23D3155-02

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	11	0.81	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Indeno(1,2,3-cd)pyrene	ND	5.7	0.89	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Isophorone	ND	11	0.59	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
2-Methylnaphthalene	ND	5.7	0.77	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
2-Methylphenol	ND	11	0.56	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
3/4-Methylphenol	ND	11	0.49	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Naphthalene	ND	5.7	0.68	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
2-Nitroaniline	ND	11	0.82	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
3-Nitroaniline	ND	11	0.67	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
4-Nitroaniline	ND	11	0.77	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Nitrobenzene	ND	11	0.66	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
2-Nitrophenol	ND	11	0.58	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
4-Nitrophenol	ND	11	2.2	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	11	0.49	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
N-Nitrosodi-n-propylamine	ND	11	0.65	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Pentachlorophenol	ND	11	0.76	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Phenanthrene	ND	5.7	0.58	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Phenol	ND	11	0.22	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
Pyrene	ND	5.7	0.75	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
1,2,4,5-Tetrachlorobenzene	ND	11	0.75	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
2,4,5-Trichlorophenol	ND	11	0.62	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2
2,4,6-Trichlorophenol	ND	11	0.53	µg/L	1		SW-846 8270E	5/2/23	5/3/23 19:43	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	44.2	15-110	5/3/23 19:43
Phenol-d6	31.7	15-110	5/3/23 19:43
Nitrobenzene-d5	63.6	30-130	5/3/23 19:43
2-Fluorobiphenyl	68.4	30-130	5/3/23 19:43
2,4,6-Tribromophenol	77.4	15-110	5/3/23 19:43
p-Terphenyl-d14	81.2	30-130	5/3/23 19:43

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-02A-20230425

Sampled: 4/25/2023 14:30

Sample ID: 23D3155-02

Sample Matrix: Surface Water

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	0.060	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:22	TG
Aroclor-1221 [1]	ND	0.21	0.083	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:22	TG
Aroclor-1232 [1]	ND	0.21	0.075	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:22	TG
Aroclor-1242 [1]	ND	0.21	0.080	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:22	TG
Aroclor-1248 [1]	ND	0.21	0.084	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:22	TG
Aroclor-1254 [1]	ND	0.21	0.082	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:22	TG
Aroclor-1260 [1]	ND	0.21	0.062	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:22	TG
Aroclor-1262 [1]	ND	0.21	0.096	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:22	TG
Aroclor-1268 [1]	ND	0.21	0.076	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:22	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		89.7	30-150						5/3/23 11:22	
Decachlorobiphenyl [2]		82.6	30-150						5/3/23 11:22	
Tetrachloro-m-xylene [1]		82.1	30-150						5/3/23 11:22	
Tetrachloro-m-xylene [2]		78.3	30-150						5/3/23 11:22	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-02A-20230425

Sampled: 4/25/2023 14:30

Sample ID: 23D3155-02

Sample Matrix: Surface Water

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	2.6	0.050	0.045	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:06	NC
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:06	NC
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:06	NC
Barium	0.44	0.050	0.0051	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:06	NC
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:06	NC
Cadmium	0.011	0.0040	0.0018	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:06	NC
Calcium	230	0.50	0.22	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:06	NC
Chromium	0.0091	0.010	0.0068	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 22:06	NC
Cobalt	0.0031	0.010	0.0021	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 22:06	NC
Copper	0.41	0.010	0.0036	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:06	NC
Iron	130	0.050	0.047	mg/L	1		SW-846 6010D	4/27/23	5/4/23 14:54	NC
Lead	2.5	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:06	NC
Magnesium	21	0.050	0.0095	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:06	NC
Manganese	2.1	0.010	0.0033	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:06	NC
Mercury	0.0031	0.00020	0.00014	mg/L	1		SW-846 7470A	4/27/23	5/9/23 11:17	AAJ
Nickel	0.020	0.010	0.0098	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:06	NC
Potassium	6.4	2.0	0.28	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:06	NC
Selenium	ND	0.050	0.014	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:06	NC
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:06	NC
Sodium	80	2.0	1.2	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:06	NC
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:06	NC
Vanadium	0.015	0.010	0.0038	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:06	NC
Zinc	3.5	0.010	0.0042	mg/L	1		SW-846 6010D	4/27/23	5/4/23 14:54	NC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-03A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3155-03

Sample Matrix: Surface Water

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-03A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3155-03

Sample Matrix: Surface Water

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/28/23	4/29/23 16:35	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	114	70-130	
Toluene-d8	99.1	70-130	
4-Bromofluorobenzene	90.9	70-130	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-03A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3155-03

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	21	0.59	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Benzaldehyde	ND	11	0.48	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Biphenyl	ND	21	0.44	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Caprolactam	ND	11	0.30	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Acenaphthene	ND	5.3	0.57	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Acenaphthylene	ND	5.3	0.59	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Acetophenone	ND	11	0.53	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Anthracene	ND	5.3	0.53	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Benzo(a)anthracene	ND	5.3	0.49	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Benzo(a)pyrene	ND	5.3	0.74	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Benzo(b)fluoranthene	ND	5.3	0.58	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Benzo(g,h,i)perylene	ND	5.3	0.72	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Benzo(k)fluoranthene	ND	5.3	0.67	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Bis(2-chloroethoxy)methane	ND	11	0.45	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Bis(2-chloroethyl)ether	ND	11	0.53	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Bis(2-chloroisopropyl)ether	ND	11	0.68	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Bis(2-Ethylhexyl)phthalate	ND	11	0.89	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
4-Bromophenylphenylether	ND	11	0.56	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Butylbenzylphthalate	ND	11	0.70	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Carbazole	ND	11	0.48	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
4-Chloroaniline	ND	11	0.66	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
4-Chloro-3-methylphenol	ND	11	0.56	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
2-Chloronaphthalene	ND	11	0.55	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
2-Chlorophenol	ND	11	0.49	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
4-Chlorophenylphenylether	ND	11	0.59	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Chrysene	ND	5.3	0.47	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Dibenz(a,h)anthracene	ND	5.3	0.79	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Dibenzofuran	ND	5.3	0.60	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Di-n-butylphthalate	ND	11	0.53	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
3,3-Dichlorobenzidine	ND	11	0.83	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
2,4-Dichlorophenol	ND	11	0.52	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Diethylphthalate	ND	11	0.44	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
2,4-Dimethylphenol	ND	11	0.54	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Dimethylphthalate	ND	11	0.41	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
4,6-Dinitro-2-methylphenol	ND	11	9.0	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
2,4-Dinitrophenol	ND	11	9.0	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
2,4-Dinitrotoluene	ND	11	0.72	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
2,6-Dinitrotoluene	ND	11	0.60	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Di-n-octylphthalate	ND	11	3.3	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Fluoranthene	ND	5.3	0.51	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Fluorene	ND	5.3	0.57	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Hexachlorobenzene	ND	11	0.62	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Hexachlorobutadiene	ND	11	0.79	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Hexachlorocyclopentadiene	ND	11	6.4	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-03A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3155-03

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	11	0.76	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Indeno(1,2,3-cd)pyrene	ND	5.3	0.84	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Isophorone	ND	11	0.55	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
2-Methylnaphthalene	ND	5.3	0.72	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
2-Methylphenol	ND	11	0.52	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
3/4-Methylphenol	ND	11	0.46	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Naphthalene	ND	5.3	0.64	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
2-Nitroaniline	ND	11	0.77	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
3-Nitroaniline	ND	11	0.63	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
4-Nitroaniline	ND	11	0.72	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Nitrobenzene	ND	11	0.62	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
2-Nitrophenol	ND	11	0.55	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
4-Nitrophenol	ND	11	2.1	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	11	0.46	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
N-Nitrosodi-n-propylamine	ND	11	0.61	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Pentachlorophenol	ND	11	0.71	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Phenanthrene	ND	5.3	0.55	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Phenol	ND	11	0.20	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
Pyrene	ND	5.3	0.70	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
1,2,4,5-Tetrachlorobenzene	ND	11	0.70	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
2,4,5-Trichlorophenol	ND	11	0.58	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2
2,4,6-Trichlorophenol	ND	11	0.50	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:04	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	44.5	15-110	5/3/23 20:04
Phenol-d6	31.1	15-110	5/3/23 20:04
Nitrobenzene-d5	65.9	30-130	5/3/23 20:04
2-Fluorobiphenyl	72.1	30-130	5/3/23 20:04
2,4,6-Tribromophenol	82.6	15-110	5/3/23 20:04
p-Terphenyl-d14	87.1	30-130	5/3/23 20:04

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-03A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3155-03

Sample Matrix: Surface Water

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	0.060	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:35	TG
Aroclor-1221 [1]	ND	0.21	0.083	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:35	TG
Aroclor-1232 [1]	ND	0.21	0.075	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:35	TG
Aroclor-1242 [1]	ND	0.21	0.080	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:35	TG
Aroclor-1248 [1]	ND	0.21	0.084	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:35	TG
Aroclor-1254 [1]	ND	0.21	0.082	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:35	TG
Aroclor-1260 [1]	ND	0.21	0.062	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:35	TG
Aroclor-1262 [1]	ND	0.21	0.096	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:35	TG
Aroclor-1268 [1]	ND	0.21	0.076	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:35	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		103	30-150						5/3/23 11:35	
Decachlorobiphenyl [2]		95.4	30-150						5/3/23 11:35	
Tetrachloro-m-xylene [1]		83.5	30-150						5/3/23 11:35	
Tetrachloro-m-xylene [2]		79.1	30-150						5/3/23 11:35	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-03A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3155-03

Sample Matrix: Surface Water

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.33	0.050	0.045	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Barium	0.035	0.050	0.0051	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 22:11	NC
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Calcium	94	0.50	0.22	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Iron	1.1	0.050	0.047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Lead	0.015	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Magnesium	15	0.050	0.0095	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Manganese	0.10	0.010	0.0033	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	4/27/23	5/9/23 11:19	AAJ
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Potassium	1.6	2.0	0.28	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 22:11	NC
Selenium	ND	0.050	0.014	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Sodium	47	2.0	1.2	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Vanadium	ND	0.010	0.0038	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:11	NC
Zinc	0.017	0.010	0.0042	mg/L	1		SW-846 6010D	4/27/23	5/4/23 15:01	NC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-04A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3155-04

Sample Matrix: Surface Water

Sample Flags: PR-07, RL-12

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	11	100	4.0	µg/L	2	J	SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Benzene	ND	2.0	0.37	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Bromochloromethane	ND	2.0	0.57	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Bromodichloromethane	ND	1.0	0.32	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Bromoform	ND	2.0	0.82	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Bromomethane	ND	4.0	2.6	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
2-Butanone (MEK)	ND	40	3.4	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Carbon Disulfide	ND	10	3.1	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Chlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Chlorodibromomethane	ND	1.0	0.40	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Chloroethane	ND	4.0	0.68	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Chloroform	ND	4.0	0.28	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Cyclohexane	ND	10	3.5	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.7	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
1,2-Dibromoethane (EDB)	ND	1.0	0.32	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
1,2-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
1,3-Dichlorobenzene	ND	2.0	0.27	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.32	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
1,1-Dichloroethane	ND	2.0	0.27	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
1,2-Dichloroethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
cis-1,2-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
1,2-Dichloropropane	ND	2.0	0.39	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
cis-1,3-Dichloropropene	ND	1.0	0.33	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
trans-1,3-Dichloropropene	ND	1.0	0.28	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
1,4-Dioxane	ND	100	36	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Ethylbenzene	ND	2.0	0.44	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
2-Hexanone (MBK)	ND	20	2.4	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Isopropylbenzene (Cumene)	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Methyl Acetate	ND	2.0	1.2	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Methyl Cyclohexane	ND	2.0	0.31	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Methylene Chloride	ND	10	0.35	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Styrene	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	0.27	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Tetrachloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
1,2,3-Trichlorobenzene	ND	10	0.68	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
1,2,4-Trichlorobenzene	ND	2.0	0.60	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-04A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3155-04

Sample Matrix: Surface Water

Sample Flags: PR-07, RL-12

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
1,1,2-Trichloroethane	ND	2.0	0.38	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Trichloroethylene	ND	2.0	0.35	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	0.31	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.42	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Vinyl Chloride	ND	4.0	0.47	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH
Xylenes (total)	ND	2.0	2.0	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:02	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	115	70-130	
Toluene-d8	98.5	70-130	
4-Bromofluorobenzene	91.5	70-130	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-04A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3155-04

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	23	0.63	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Benzaldehyde	ND	11	0.52	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Biphenyl	ND	23	0.47	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Caprolactam	ND	11	0.33	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Acenaphthene	ND	5.7	0.62	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Acenaphthylene	ND	5.7	0.64	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Acetophenone	ND	11	0.58	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Anthracene	ND	5.7	0.57	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Benzo(a)anthracene	ND	5.7	0.53	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Benzo(a)pyrene	ND	5.7	0.80	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Benzo(b)fluoranthene	ND	5.7	0.63	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Benzo(g,h,i)perylene	ND	5.7	0.78	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Benzo(k)fluoranthene	ND	5.7	0.73	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Bis(2-chloroethoxy)methane	ND	11	0.49	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Bis(2-chloroethyl)ether	ND	11	0.57	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Bis(2-chloroisopropyl)ether	ND	11	0.74	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Bis(2-Ethylhexyl)phthalate	ND	11	0.96	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
4-Bromophenylphenylether	ND	11	0.60	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Butylbenzylphthalate	ND	11	0.76	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Carbazole	ND	11	0.52	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
4-Chloroaniline	ND	11	0.72	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
4-Chloro-3-methylphenol	ND	11	0.60	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
2-Chloronaphthalene	ND	11	0.60	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
2-Chlorophenol	ND	11	0.53	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
4-Chlorophenylphenylether	ND	11	0.63	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Chrysene	ND	5.7	0.51	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Dibenz(a,h)anthracene	ND	5.7	0.85	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Dibenzofuran	ND	5.7	0.65	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Di-n-butylphthalate	ND	11	0.57	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
3,3-Dichlorobenzidine	ND	11	0.90	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
2,4-Dichlorophenol	ND	11	0.56	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Diethylphthalate	ND	11	0.48	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
2,4-Dimethylphenol	ND	11	0.58	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Dimethylphthalate	ND	11	0.44	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
4,6-Dinitro-2-methylphenol	ND	11	9.8	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
2,4-Dinitrophenol	ND	11	9.7	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
2,4-Dinitrotoluene	ND	11	0.77	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
2,6-Dinitrotoluene	ND	11	0.65	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Di-n-octylphthalate	ND	11	3.6	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Fluoranthene	ND	5.7	0.55	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Fluorene	ND	5.7	0.62	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Hexachlorobenzene	ND	11	0.67	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Hexachlorobutadiene	ND	11	0.86	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Hexachlorocyclopentadiene	ND	11	6.9	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-04A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3155-04

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	11	0.82	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Indeno(1,2,3-cd)pyrene	ND	5.7	0.90	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Isophorone	ND	11	0.59	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
2-Methylnaphthalene	ND	5.7	0.78	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
2-Methylphenol	ND	11	0.56	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
3/4-Methylphenol	ND	11	0.50	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Naphthalene	ND	5.7	0.69	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
2-Nitroaniline	ND	11	0.83	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
3-Nitroaniline	ND	11	0.68	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
4-Nitroaniline	ND	11	0.78	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Nitrobenzene	ND	11	0.67	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
2-Nitrophenol	ND	11	0.59	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
4-Nitrophenol	ND	11	2.2	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	11	0.50	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
N-Nitrosodi-n-propylamine	ND	11	0.66	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Pentachlorophenol	ND	11	0.77	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Phenanthrene	ND	5.7	0.59	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Phenol	ND	11	0.22	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
Pyrene	ND	5.7	0.75	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
1,2,4,5-Tetrachlorobenzene	ND	11	0.76	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
2,4,5-Trichlorophenol	ND	11	0.63	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2
2,4,6-Trichlorophenol	ND	11	0.54	µg/L	1		SW-846 8270E	5/2/23	5/3/23 20:24	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	46.2	15-110	5/3/23 20:24
Phenol-d6	33.4	15-110	5/3/23 20:24
Nitrobenzene-d5	68.7	30-130	5/3/23 20:24
2-Fluorobiphenyl	75.1	30-130	5/3/23 20:24
2,4,6-Tribromophenol	83.3	15-110	5/3/23 20:24
p-Terphenyl-d14	88.1	30-130	5/3/23 20:24



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-04A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3155-04

Sample Matrix: Surface Water

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.22	0.062	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:47	TG
Aroclor-1221 [1]	ND	0.22	0.085	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:47	TG
Aroclor-1232 [1]	ND	0.22	0.077	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:47	TG
Aroclor-1242 [1]	ND	0.22	0.082	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:47	TG
Aroclor-1248 [1]	ND	0.22	0.087	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:47	TG
Aroclor-1254 [1]	ND	0.22	0.085	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:47	TG
Aroclor-1260 [1]	ND	0.22	0.064	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:47	TG
Aroclor-1262 [1]	ND	0.22	0.099	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:47	TG
Aroclor-1268 [1]	ND	0.22	0.079	µg/L	1		SW-846 8082A	5/1/23	5/3/23 11:47	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		99.8	30-150						5/3/23 11:47	
Decachlorobiphenyl [2]		94.9	30-150						5/3/23 11:47	
Tetrachloro-m-xylene [1]		85.1	30-150						5/3/23 11:47	
Tetrachloro-m-xylene [2]		81.0	30-150						5/3/23 11:47	

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-04A-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3155-04

Sample Matrix: Surface Water

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	2.1	0.050	0.045	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Barium	0.54	0.050	0.0051	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Calcium	510	0.50	0.22	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Iron	46	0.050	0.047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Lead	0.015	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Magnesium	22	0.050	0.0095	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Manganese	6.5	0.010	0.0033	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	4/27/23	5/9/23 11:21	AAJ
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Potassium	7.2	2.0	0.28	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Selenium	ND	0.050	0.014	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Sodium	79	2.0	1.2	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Vanadium	0.022	0.010	0.0038	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:17	NC
Zinc	0.19	0.010	0.0042	mg/L	1		SW-846 6010D	4/27/23	5/4/23 15:07	NC

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Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-05-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3155-05

Sample Matrix: Surface Water

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-05-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3155-05

Sample Matrix: Surface Water

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/28/23	4/29/23 17:28	EEH
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		108	70-130						4/29/23 17:28	
Toluene-d8		106	70-130						4/29/23 17:28	
4-Bromofluorobenzene		91.8	70-130						4/29/23 17:28	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-05-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3155-05

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	0.54	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Benzaldehyde	ND	9.9	0.44	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Biphenyl	ND	20	0.41	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Caprolactam	ND	9.9	0.28	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Acenaphthene	ND	5.0	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Acenaphthylene	ND	5.0	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Acetophenone	ND	9.9	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Anthracene	ND	5.0	0.49	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Benzo(a)anthracene	ND	5.0	0.46	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Benzo(a)pyrene	ND	5.0	0.69	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Benzo(b)fluoranthene	ND	5.0	0.54	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Benzo(g,h,i)perylene	ND	5.0	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Benzo(k)fluoranthene	ND	5.0	0.63	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Bis(2-chloroethoxy)methane	ND	9.9	0.42	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Bis(2-chloroethyl)ether	ND	9.9	0.49	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Bis(2-chloroisopropyl)ether	ND	9.9	0.64	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Bis(2-Ethylhexyl)phthalate	ND	9.9	0.83	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
4-Bromophenylphenylether	ND	9.9	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Butylbenzylphthalate	ND	9.9	0.65	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Carbazole	ND	9.9	0.45	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
4-Chloroaniline	ND	9.9	0.62	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
4-Chloro-3-methylphenol	ND	9.9	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
2-Chloronaphthalene	ND	9.9	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
2-Chlorophenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
4-Chlorophenylphenylether	ND	9.9	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Chrysene	ND	5.0	0.44	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Dibenz(a,h)anthracene	ND	5.0	0.73	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Dibenzofuran	ND	5.0	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Di-n-butylphthalate	ND	9.9	0.49	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
3,3-Dichlorobenzidine	ND	9.9	0.77	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
2,4-Dichlorophenol	ND	9.9	0.49	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Diethylphthalate	ND	9.9	0.41	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
2,4-Dimethylphenol	ND	9.9	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Dimethylphthalate	ND	9.9	0.38	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
4,6-Dinitro-2-methylphenol	ND	9.9	8.4	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
2,4-Dinitrophenol	ND	9.9	8.4	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
2,4-Dinitrotoluene	ND	9.9	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
2,6-Dinitrotoluene	ND	9.9	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Di-n-octylphthalate	ND	9.9	3.1	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Fluoranthene	ND	5.0	0.48	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Fluorene	ND	5.0	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Hexachlorobenzene	ND	9.9	0.58	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Hexachlorobutadiene	ND	9.9	0.74	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Hexachlorocyclopentadiene	ND	9.9	5.9	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-05-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3155-05

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.9	0.71	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Indeno(1,2,3-cd)pyrene	ND	5.0	0.78	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Isophorone	ND	9.9	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
2-Methylnaphthalene	ND	5.0	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
2-Methylphenol	ND	9.9	0.48	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
3/4-Methylphenol	ND	9.9	0.43	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Naphthalene	ND	5.0	0.59	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
2-Nitroaniline	ND	9.9	0.71	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
3-Nitroaniline	ND	9.9	0.59	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
4-Nitroaniline	ND	9.9	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Nitrobenzene	ND	9.9	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
2-Nitrophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
4-Nitrophenol	ND	9.9	1.9	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	9.9	0.43	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
N-Nitrosodi-n-propylamine	ND	9.9	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Pentachlorophenol	ND	9.9	0.66	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Phenanthrene	ND	5.0	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Phenol	ND	9.9	0.19	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
Pyrene	ND	5.0	0.65	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
1,2,4,5-Tetrachlorobenzene	ND	9.9	0.65	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
2,4,5-Trichlorophenol	ND	9.9	0.54	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2
2,4,6-Trichlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:48	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	41.5	15-110	5/4/23 15:48
Phenol-d6	28.5	15-110	5/4/23 15:48
Nitrobenzene-d5	64.1	30-130	5/4/23 15:48
2-Fluorobiphenyl	65.2	30-130	5/4/23 15:48
2,4,6-Tribromophenol	76.0	15-110	5/4/23 15:48
p-Terphenyl-d14	81.7	30-130	5/4/23 15:48

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-05-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3155-05

Sample Matrix: Surface Water

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	0.059	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:00	TG
Aroclor-1221 [1]	ND	0.20	0.081	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:00	TG
Aroclor-1232 [1]	ND	0.20	0.073	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:00	TG
Aroclor-1242 [1]	ND	0.20	0.078	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:00	TG
Aroclor-1248 [1]	ND	0.20	0.082	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:00	TG
Aroclor-1254 [1]	ND	0.20	0.081	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:00	TG
Aroclor-1260 [1]	ND	0.20	0.060	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:00	TG
Aroclor-1262 [1]	ND	0.20	0.094	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:00	TG
Aroclor-1268 [1]	ND	0.20	0.075	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:00	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		76.7	30-150						5/3/23 12:00	
Decachlorobiphenyl [2]		71.8	30-150						5/3/23 12:00	
Tetrachloro-m-xylene [1]		59.7	30-150						5/3/23 12:00	
Tetrachloro-m-xylene [2]		57.7	30-150						5/3/23 12:00	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-05-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3155-05

Sample Matrix: Surface Water

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	3.4	0.050	0.045	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Barium	0.078	0.050	0.0051	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Calcium	130	0.50	0.22	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Copper	0.0087	0.010	0.0036	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 22:22	NC
Iron	2.4	0.050	0.047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Lead	0.084	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Magnesium	20	0.050	0.0095	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Manganese	0.28	0.010	0.0033	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	4/27/23	5/9/23 11:22	AAJ
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Potassium	2.7	2.0	0.28	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Selenium	ND	0.050	0.014	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Sodium	100	2.0	1.2	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Vanadium	0.013	0.010	0.0038	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:22	NC
Zinc	0.23	0.010	0.0042	mg/L	1		SW-846 6010D	4/27/23	5/4/23 15:12	NC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-06-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3155-06

Sample Matrix: Surface Water

Sample Flags: RL-12

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	13	100	4.0	µg/L	2	J	SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Benzene	ND	2.0	0.37	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Bromochloromethane	ND	2.0	0.57	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Bromodichloromethane	ND	1.0	0.32	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Bromoform	ND	2.0	0.82	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Bromomethane	ND	4.0	2.6	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
2-Butanone (MEK)	ND	40	3.4	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Carbon Disulfide	ND	10	3.1	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Chlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Chlorodibromomethane	ND	1.0	0.40	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Chloroethane	ND	4.0	0.68	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Chloroform	ND	4.0	0.28	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Cyclohexane	ND	10	3.5	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.7	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
1,2-Dibromoethane (EDB)	ND	1.0	0.32	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
1,2-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
1,3-Dichlorobenzene	ND	2.0	0.27	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.32	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
1,1-Dichloroethane	ND	2.0	0.27	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
1,2-Dichloroethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
cis-1,2-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
1,2-Dichloropropane	ND	2.0	0.39	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
cis-1,3-Dichloropropene	ND	1.0	0.33	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
trans-1,3-Dichloropropene	ND	1.0	0.28	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
1,4-Dioxane	ND	100	36	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Ethylbenzene	ND	2.0	0.44	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
2-Hexanone (MBK)	ND	20	2.4	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Isopropylbenzene (Cumene)	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Methyl Acetate	ND	2.0	1.2	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Methyl Cyclohexane	ND	2.0	0.31	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Methylene Chloride	ND	10	0.35	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Styrene	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	0.27	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Tetrachloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
1,2,3-Trichlorobenzene	ND	10	0.68	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
1,2,4-Trichlorobenzene	ND	2.0	0.60	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-06-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3155-06

Sample Matrix: Surface Water

Sample Flags: RL-12

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
1,1,2-Trichloroethane	ND	2.0	0.38	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Trichloroethylene	ND	2.0	0.35	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	0.31	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.42	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Vinyl Chloride	ND	4.0	0.47	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Xylenes (total)	ND	2.0	2.0	µg/L	2		SW-846 8260D	4/28/23	4/29/23 17:55	EEH
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		115	70-130						4/29/23 17:55	
Toluene-d8		99.1	70-130						4/29/23 17:55	
4-Bromofluorobenzene		91.1	70-130						4/29/23 17:55	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-06-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3155-06

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Benzaldehyde	ND	10	0.45	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Biphenyl	ND	20	0.42	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Caprolactam	ND	10	0.29	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Acenaphthene	ND	5.1	0.54	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Acenaphthylene	ND	5.1	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Acetophenone	ND	10	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Anthracene	ND	5.1	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Benzo(a)anthracene	ND	5.1	0.47	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Benzo(a)pyrene	ND	5.1	0.71	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Benzo(b)fluoranthene	ND	5.1	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Benzo(g,h,i)perylene	ND	5.1	0.69	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Benzo(k)fluoranthene	ND	5.1	0.64	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Bis(2-chloroethoxy)methane	ND	10	0.43	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Bis(2-chloroethyl)ether	ND	10	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Bis(2-chloroisopropyl)ether	ND	10	0.65	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Bis(2-Ethylhexyl)phthalate	ND	10	0.85	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
4-Bromophenylphenylether	ND	10	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Butylbenzylphthalate	ND	10	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Carbazole	ND	10	0.46	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
4-Chloroaniline	ND	10	0.63	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
4-Chloro-3-methylphenol	ND	10	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
2-Chloronaphthalene	ND	10	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
2-Chlorophenol	ND	10	0.46	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
4-Chlorophenylphenylether	ND	10	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Chrysene	ND	5.1	0.45	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Dibenz(a,h)anthracene	ND	5.1	0.75	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Dibenzofuran	ND	5.1	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Di-n-butylphthalate	ND	10	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
3,3-Dichlorobenzidine	ND	10	0.79	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
2,4-Dichlorophenol	ND	10	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Diethylphthalate	ND	10	0.42	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
2,4-Dimethylphenol	ND	10	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Dimethylphthalate	ND	10	0.39	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
4,6-Dinitro-2-methylphenol	ND	10	8.6	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
2,4-Dinitrophenol	ND	10	8.5	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
2,4-Dinitrotoluene	ND	10	0.68	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
2,6-Dinitrotoluene	ND	10	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Di-n-octylphthalate	ND	10	3.2	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Fluoranthene	ND	5.1	0.48	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Fluorene	ND	5.1	0.54	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Hexachlorobenzene	ND	10	0.59	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Hexachlorobutadiene	ND	10	0.75	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Hexachlorocyclopentadiene	ND	10	6.0	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-06-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3155-06

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	10	0.72	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Indeno(1,2,3-cd)pyrene	ND	5.1	0.79	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Isophorone	ND	10	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
2-Methylnaphthalene	ND	5.1	0.68	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
2-Methylphenol	ND	10	0.49	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
3/4-Methylphenol	ND	10	0.44	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Naphthalene	ND	5.1	0.60	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
2-Nitroaniline	ND	10	0.73	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
3-Nitroaniline	ND	10	0.60	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
4-Nitroaniline	ND	10	0.69	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Nitrobenzene	ND	10	0.58	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
2-Nitrophenol	ND	10	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
4-Nitrophenol	ND	10	1.9	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.44	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
N-Nitrosodi-n-propylamine	ND	10	0.58	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Pentachlorophenol	ND	10	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Phenanthrene	ND	5.1	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Phenol	ND	10	0.19	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
Pyrene	ND	5.1	0.66	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
1,2,4,5-Tetrachlorobenzene	ND	10	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
2,4,5-Trichlorophenol	ND	10	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2
2,4,6-Trichlorophenol	ND	10	0.48	µg/L	1		SW-846 8270E	5/2/23	5/4/23 12:57	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	36.6	15-110	5/4/23 12:57
Phenol-d6	26.4	15-110	5/4/23 12:57
Nitrobenzene-d5	58.3	30-130	5/4/23 12:57
2-Fluorobiphenyl	63.0	30-130	5/4/23 12:57
2,4,6-Tribromophenol	77.6	15-110	5/4/23 12:57
p-Terphenyl-d14	81.0	30-130	5/4/23 12:57

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-06-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3155-06

Sample Matrix: Surface Water

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	0.059	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:12	TG
Aroclor-1221 [1]	ND	0.21	0.082	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:12	TG
Aroclor-1232 [1]	ND	0.21	0.074	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:12	TG
Aroclor-1242 [1]	ND	0.21	0.079	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:12	TG
Aroclor-1248 [1]	ND	0.21	0.083	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:12	TG
Aroclor-1254 [1]	ND	0.21	0.082	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:12	TG
Aroclor-1260 [1]	ND	0.21	0.061	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:12	TG
Aroclor-1262 [1]	ND	0.21	0.095	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:12	TG
Aroclor-1268 [1]	ND	0.21	0.075	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:12	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		90.6	30-150						5/3/23 12:12	
Decachlorobiphenyl [2]		84.5	30-150						5/3/23 12:12	
Tetrachloro-m-xylene [1]		85.7	30-150						5/3/23 12:12	
Tetrachloro-m-xylene [2]		81.1	30-150						5/3/23 12:12	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-06-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3155-06

Sample Matrix: Surface Water

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.43	0.050	0.045	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:39	NC
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:39	NC
Arsenic	0.0047	0.010	0.0047	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 22:39	NC
Barium	2.3	0.050	0.0051	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:39	NC
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:39	NC
Cadmium	0.0018	0.0040	0.0018	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 22:39	NC
Calcium	450	0.50	0.22	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:39	NC
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:39	NC
Cobalt	0.021	0.010	0.0021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:39	NC
Copper	0.021	0.010	0.0036	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:39	NC
Iron	350	0.050	0.047	mg/L	1		SW-846 6010D	4/27/23	5/4/23 15:31	NC
Lead	ND	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:39	NC
Magnesium	25	0.050	0.0095	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:39	NC
Manganese	35	0.010	0.0033	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:39	NC
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	4/27/23	5/9/23 12:15	AAJ
Nickel	0.022	0.010	0.0098	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:39	NC
Potassium	8.1	2.0	0.28	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:39	NC
Selenium	ND	0.050	0.014	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:39	NC
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:39	NC
Sodium	72	2.0	1.2	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:39	NC
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:39	NC
Vanadium	0.0050	0.010	0.0038	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 22:39	NC
Zinc	1.2	0.010	0.0042	mg/L	1		SW-846 6010D	4/27/23	5/4/23 15:31	NC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-07-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3155-07

Sample Matrix: Surface Water

Sample Flags: RL-12

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	9.6	100	4.0	µg/L	2	J	SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Benzene	ND	2.0	0.37	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Bromochloromethane	ND	2.0	0.57	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Bromodichloromethane	ND	1.0	0.32	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Bromoform	ND	2.0	0.82	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Bromomethane	ND	4.0	2.6	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
2-Butanone (MEK)	ND	40	3.4	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Carbon Disulfide	ND	10	3.1	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Chlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Chlorodibromomethane	ND	1.0	0.40	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Chloroethane	ND	4.0	0.68	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Chloroform	ND	4.0	0.28	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Cyclohexane	ND	10	3.5	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.7	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
1,2-Dibromoethane (EDB)	ND	1.0	0.32	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
1,2-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
1,3-Dichlorobenzene	ND	2.0	0.27	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.32	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
1,1-Dichloroethane	ND	2.0	0.27	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
1,2-Dichloroethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
cis-1,2-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
1,2-Dichloropropane	ND	2.0	0.39	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
cis-1,3-Dichloropropene	ND	1.0	0.33	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
trans-1,3-Dichloropropene	ND	1.0	0.28	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
1,4-Dioxane	ND	100	36	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Ethylbenzene	ND	2.0	0.44	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
2-Hexanone (MBK)	ND	20	2.4	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Isopropylbenzene (Cumene)	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Methyl Acetate	ND	2.0	1.2	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Methyl Cyclohexane	ND	2.0	0.31	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Methylene Chloride	ND	10	0.35	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Styrene	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	0.27	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Tetrachloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
1,2,3-Trichlorobenzene	ND	10	0.68	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
1,2,4-Trichlorobenzene	ND	2.0	0.60	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-07-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3155-07

Sample Matrix: Surface Water

Sample Flags: RL-12

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
1,1,2-Trichloroethane	ND	2.0	0.38	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Trichloroethylene	ND	2.0	0.35	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	0.31	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.42	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Vinyl Chloride	ND	4.0	0.47	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH
Xylenes (total)	ND	2.0	2.0	µg/L	2		SW-846 8260D	4/28/23	4/29/23 18:22	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	116	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	91.0	70-130	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-07-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3155-07

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Benzaldehyde	ND	10	0.46	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Biphenyl	ND	20	0.42	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Caprolactam	ND	10	0.29	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Acenaphthene	ND	5.1	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Acenaphthylene	ND	5.1	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Acetophenone	ND	10	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Anthracene	ND	5.1	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Benzo(a)anthracene	ND	5.1	0.47	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Benzo(a)pyrene	ND	5.1	0.71	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Benzo(b)fluoranthene	ND	5.1	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Benzo(g,h,i)perylene	ND	5.1	0.69	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Benzo(k)fluoranthene	ND	5.1	0.64	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Bis(2-chloroethoxy)methane	ND	10	0.43	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Bis(2-chloroethyl)ether	ND	10	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Bis(2-chloroisopropyl)ether	ND	10	0.66	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Bis(2-Ethylhexyl)phthalate	ND	10	0.85	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
4-Bromophenylphenylether	ND	10	0.54	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Butylbenzylphthalate	ND	10	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Carbazole	ND	10	0.47	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
4-Chloroaniline	ND	10	0.64	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
4-Chloro-3-methylphenol	ND	10	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
2-Chloronaphthalene	ND	10	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
2-Chlorophenol	ND	10	0.47	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
4-Chlorophenylphenylether	ND	10	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Chrysene	ND	5.1	0.45	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Dibenz(a,h)anthracene	ND	5.1	0.75	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Dibenzofuran	ND	5.1	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Di-n-butylphthalate	ND	10	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
3,3-Dichlorobenzidine	ND	10	0.80	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
2,4-Dichlorophenol	ND	10	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Diethylphthalate	ND	10	0.42	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
2,4-Dimethylphenol	ND	10	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Dimethylphthalate	ND	10	0.39	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
4,6-Dinitro-2-methylphenol	ND	10	8.7	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
2,4-Dinitrophenol	ND	10	8.6	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
2,4-Dinitrotoluene	ND	10	0.69	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
2,6-Dinitrotoluene	ND	10	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Di-n-octylphthalate	ND	10	3.2	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Fluoranthene	ND	5.1	0.49	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Fluorene	ND	5.1	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Hexachlorobenzene	ND	10	0.59	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Hexachlorobutadiene	ND	10	0.76	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Hexachlorocyclopentadiene	ND	10	6.1	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-07-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3155-07

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	10	0.73	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Indeno(1,2,3-cd)pyrene	ND	5.1	0.80	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Isophorone	ND	10	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
2-Methylnaphthalene	ND	5.1	0.69	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
2-Methylphenol	ND	10	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
3/4-Methylphenol	ND	10	0.44	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Naphthalene	ND	5.1	0.61	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
2-Nitroaniline	ND	10	0.74	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
3-Nitroaniline	ND	10	0.60	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
4-Nitroaniline	ND	10	0.69	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Nitrobenzene	ND	10	0.59	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
2-Nitrophenol	ND	10	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
4-Nitrophenol	ND	10	2.0	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.44	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
N-Nitrosodi-n-propylamine	ND	10	0.59	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Pentachlorophenol	ND	10	0.68	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Phenanthrene	ND	5.1	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Phenol	ND	10	0.19	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
Pyrene	ND	5.1	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
1,2,4,5-Tetrachlorobenzene	ND	10	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
2,4,5-Trichlorophenol	ND	10	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2
2,4,6-Trichlorophenol	ND	10	0.48	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:19	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	40.4	15-110	5/4/23 13:19
Phenol-d6	30.1	15-110	5/4/23 13:19
Nitrobenzene-d5	58.9	30-130	5/4/23 13:19
2-Fluorobiphenyl	64.5	30-130	5/4/23 13:19
2,4,6-Tribromophenol	72.2	15-110	5/4/23 13:19
p-Terphenyl-d14	80.1	30-130	5/4/23 13:19

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-07-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3155-07

Sample Matrix: Surface Water

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.22	0.062	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:25	TG
Aroclor-1221 [1]	ND	0.22	0.085	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:25	TG
Aroclor-1232 [1]	ND	0.22	0.077	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:25	TG
Aroclor-1242 [1]	ND	0.22	0.082	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:25	TG
Aroclor-1248 [1]	ND	0.22	0.087	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:25	TG
Aroclor-1254 [1]	ND	0.22	0.085	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:25	TG
Aroclor-1260 [1]	ND	0.22	0.064	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:25	TG
Aroclor-1262 [1]	ND	0.22	0.099	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:25	TG
Aroclor-1268 [1]	ND	0.22	0.079	µg/L	1		SW-846 8082A	5/1/23	5/3/23 12:25	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		97.0	30-150						5/3/23 12:25	
Decachlorobiphenyl [2]		90.0	30-150						5/3/23 12:25	
Tetrachloro-m-xylene [1]		79.8	30-150						5/3/23 12:25	
Tetrachloro-m-xylene [2]		75.7	30-150						5/3/23 12:25	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-07-20230425

Sampled: 4/25/2023 14:45

Sample ID: 23D3155-07

Sample Matrix: Surface Water

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	8.1	0.050	0.045	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Barium	0.29	0.050	0.0051	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Cadmium	0.0025	0.0040	0.0018	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 22:45	NC
Calcium	130	0.50	0.22	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Copper	0.014	0.010	0.0036	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Iron	28	0.050	0.047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Lead	0.049	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Magnesium	16	0.050	0.0095	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Manganese	4.2	0.010	0.0033	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Mercury	0.00015	0.00020	0.00014	mg/L	1	J	SW-846 7470A	4/27/23	5/9/23 12:17	AAJ
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Potassium	3.7	2.0	0.28	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Selenium	ND	0.050	0.014	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Sodium	86	2.0	1.2	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Vanadium	0.036	0.010	0.0038	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:45	NC
Zinc	0.26	0.010	0.0042	mg/L	1		SW-846 6010D	4/27/23	5/4/23 15:38	NC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-08-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3155-08

Sample Matrix: Surface Water

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	7.0	50	2.0	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-08-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3155-08

Sample Matrix: Surface Water

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:16	MF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		109	70-130						5/6/23 0:16	
Toluene-d8		100	70-130						5/6/23 0:16	
4-Bromofluorobenzene		91.5	70-130						5/6/23 0:16	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-08-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3155-08

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Benzaldehyde	ND	10	0.45	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Biphenyl	ND	20	0.42	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Caprolactam	ND	10	0.29	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Acenaphthene	ND	5.1	0.54	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Acenaphthylene	ND	5.1	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Acetophenone	ND	10	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Anthracene	ND	5.1	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Benzo(a)anthracene	ND	5.1	0.47	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Benzo(a)pyrene	ND	5.1	0.71	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Benzo(b)fluoranthene	ND	5.1	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Benzo(g,h,i)perylene	ND	5.1	0.69	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Benzo(k)fluoranthene	ND	5.1	0.64	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Bis(2-chloroethoxy)methane	ND	10	0.43	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Bis(2-chloroethyl)ether	ND	10	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Bis(2-chloroisopropyl)ether	ND	10	0.65	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Bis(2-Ethylhexyl)phthalate	ND	10	0.85	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
4-Bromophenylphenylether	ND	10	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Butylbenzylphthalate	ND	10	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Carbazole	ND	10	0.46	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
4-Chloroaniline	ND	10	0.63	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
4-Chloro-3-methylphenol	ND	10	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
2-Chloronaphthalene	ND	10	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
2-Chlorophenol	ND	10	0.46	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
4-Chlorophenylphenylether	ND	10	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Chrysene	ND	5.1	0.45	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Dibenz(a,h)anthracene	ND	5.1	0.75	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Dibenzofuran	ND	5.1	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Di-n-butylphthalate	ND	10	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
3,3-Dichlorobenzidine	ND	10	0.79	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
2,4-Dichlorophenol	ND	10	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Diethylphthalate	ND	10	0.42	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
2,4-Dimethylphenol	ND	10	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Dimethylphthalate	ND	10	0.39	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
4,6-Dinitro-2-methylphenol	ND	10	8.6	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
2,4-Dinitrophenol	ND	10	8.5	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
2,4-Dinitrotoluene	ND	10	0.68	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
2,6-Dinitrotoluene	ND	10	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Di-n-octylphthalate	ND	10	3.2	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Fluoranthene	ND	5.1	0.48	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Fluorene	ND	5.1	0.54	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Hexachlorobenzene	ND	10	0.59	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Hexachlorobutadiene	ND	10	0.75	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Hexachlorocyclopentadiene	ND	10	6.0	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-08-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3155-08

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	10	0.72	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Indeno(1,2,3-cd)pyrene	ND	5.1	0.79	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Isophorone	ND	10	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
2-Methylnaphthalene	ND	5.1	0.68	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
2-Methylphenol	ND	10	0.49	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
3/4-Methylphenol	ND	10	0.44	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Naphthalene	ND	5.1	0.60	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
2-Nitroaniline	ND	10	0.73	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
3-Nitroaniline	ND	10	0.60	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
4-Nitroaniline	ND	10	0.69	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Nitrobenzene	ND	10	0.58	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
2-Nitrophenol	ND	10	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
4-Nitrophenol	ND	10	1.9	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.44	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
N-Nitrosodi-n-propylamine	ND	10	0.58	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Pentachlorophenol	ND	10	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Phenanthrene	ND	5.1	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Phenol	ND	10	0.19	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
Pyrene	ND	5.1	0.66	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
1,2,4,5-Tetrachlorobenzene	ND	10	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
2,4,5-Trichlorophenol	ND	10	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2
2,4,6-Trichlorophenol	ND	10	0.48	µg/L	1		SW-846 8270E	5/2/23	5/4/23 13:40	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	39.3	15-110	5/4/23 13:40
Phenol-d6	27.3	15-110	5/4/23 13:40
Nitrobenzene-d5	60.1	30-130	5/4/23 13:40
2-Fluorobiphenyl	65.9	30-130	5/4/23 13:40
2,4,6-Tribromophenol	76.9	15-110	5/4/23 13:40
p-Terphenyl-d14	80.9	30-130	5/4/23 13:40



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-08-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3155-08

Sample Matrix: Surface Water

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.23	0.066	µg/L	1		SW-846 8082A	5/2/23	5/3/23 14:35	TG
Aroclor-1221 [1]	ND	0.23	0.092	µg/L	1		SW-846 8082A	5/2/23	5/3/23 14:35	TG
Aroclor-1232 [1]	ND	0.23	0.083	µg/L	1		SW-846 8082A	5/2/23	5/3/23 14:35	TG
Aroclor-1242 [1]	ND	0.23	0.089	µg/L	1		SW-846 8082A	5/2/23	5/3/23 14:35	TG
Aroclor-1248 [1]	ND	0.23	0.093	µg/L	1		SW-846 8082A	5/2/23	5/3/23 14:35	TG
Aroclor-1254 [1]	ND	0.23	0.092	µg/L	1		SW-846 8082A	5/2/23	5/3/23 14:35	TG
Aroclor-1260 [1]	ND	0.23	0.068	µg/L	1		SW-846 8082A	5/2/23	5/3/23 14:35	TG
Aroclor-1262 [1]	ND	0.23	0.11	µg/L	1		SW-846 8082A	5/2/23	5/3/23 14:35	TG
Aroclor-1268 [1]	ND	0.23	0.084	µg/L	1		SW-846 8082A	5/2/23	5/3/23 14:35	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		105	30-150						5/3/23 14:35	
Decachlorobiphenyl [2]		94.8	30-150						5/3/23 14:35	
Tetrachloro-m-xylene [1]		81.0	30-150						5/3/23 14:35	
Tetrachloro-m-xylene [2]		75.8	30-150						5/3/23 14:35	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-08-20230425

Sampled: 4/25/2023 15:30

Sample ID: 23D3155-08

Sample Matrix: Surface Water

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.50	0.050	0.045	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Barium	0.21	0.050	0.0051	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Calcium	120	0.50	0.22	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Cobalt	0.0041	0.010	0.0021	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 22:51	NC
Copper	0.0052	0.010	0.0036	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 22:51	NC
Iron	19	0.050	0.047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Lead	ND	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Magnesium	22	0.050	0.0095	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Manganese	4.2	0.010	0.0033	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	4/27/23	5/9/23 12:19	AAJ
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Potassium	2.8	2.0	0.28	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Selenium	ND	0.050	0.014	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Sodium	100	2.0	1.2	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Vanadium	ND	0.010	0.0038	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:51	NC
Zinc	0.045	0.010	0.0042	mg/L	1		SW-846 6010D	4/27/23	5/4/23 15:45	NC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-09-20230425

Sampled: 4/25/2023 15:00

Sample ID: 23D3155-09

Sample Matrix: Surface Water

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	7.4	50	2.0	µg/L	1	J	SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-09-20230425

Sampled: 4/25/2023 15:00

Sample ID: 23D3155-09

Sample Matrix: Surface Water

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/28/23	5/6/23 0:43	MF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	109	70-130	
Toluene-d8	99.5	70-130	
4-Bromofluorobenzene	89.7	70-130	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-09-20230425

Sampled: 4/25/2023 15:00

Sample ID: 23D3155-09

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	22	0.61	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Benzaldehyde	ND	11	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Biphenyl	ND	22	0.46	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Caprolactam	ND	11	0.31	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Acenaphthene	ND	5.6	0.60	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Acenaphthylene	ND	5.6	0.62	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Acetophenone	ND	11	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Anthracene	ND	5.6	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Benzo(a)anthracene	ND	5.6	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Benzo(a)pyrene	ND	5.6	0.78	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Benzo(b)fluoranthene	ND	5.6	0.61	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Benzo(g,h,i)perylene	ND	5.6	0.76	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Benzo(k)fluoranthene	ND	5.6	0.70	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Bis(2-chloroethoxy)methane	ND	11	0.47	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Bis(2-chloroethyl)ether	ND	11	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Bis(2-chloroisopropyl)ether	ND	11	0.71	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Bis(2-Ethylhexyl)phthalate	ND	11	0.93	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
4-Bromophenylphenylether	ND	11	0.58	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Butylbenzylphthalate	ND	11	0.73	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Carbazole	ND	11	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
4-Chloroaniline	ND	11	0.69	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
4-Chloro-3-methylphenol	ND	11	0.58	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
2-Chloronaphthalene	ND	11	0.58	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
2-Chlorophenol	ND	11	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
4-Chlorophenylphenylether	ND	11	0.61	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Chrysene	ND	5.6	0.49	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Dibenz(a,h)anthracene	ND	5.6	0.82	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Dibenzofuran	ND	5.6	0.62	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Di-n-butylphthalate	0.67	11	0.55	µg/L	1	J	SW-846 8270E	5/2/23	5/4/23 14:02	AR2
3,3-Dichlorobenzidine	ND	11	0.87	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
2,4-Dichlorophenol	ND	11	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Diethylphthalate	ND	11	0.46	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
2,4-Dimethylphenol	ND	11	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Dimethylphthalate	ND	11	0.43	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
4,6-Dinitro-2-methylphenol	ND	11	9.4	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
2,4-Dinitrophenol	ND	11	9.4	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
2,4-Dinitrotoluene	ND	11	0.75	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
2,6-Dinitrotoluene	ND	11	0.63	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Di-n-octylphthalate	ND	11	3.5	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Fluoranthene	ND	5.6	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Fluorene	ND	5.6	0.60	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Hexachlorobenzene	ND	11	0.65	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Hexachlorobutadiene	ND	11	0.83	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Hexachlorocyclopentadiene	ND	11	6.6	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-09-20230425

Sampled: 4/25/2023 15:00

Sample ID: 23D3155-09

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	11	0.80	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Indeno(1,2,3-cd)pyrene	ND	5.6	0.87	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Isophorone	ND	11	0.58	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
2-Methylnaphthalene	ND	5.6	0.75	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
2-Methylphenol	ND	11	0.54	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
3/4-Methylphenol	ND	11	0.48	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Naphthalene	ND	5.6	0.66	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
2-Nitroaniline	ND	11	0.80	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
3-Nitroaniline	ND	11	0.66	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
4-Nitroaniline	ND	11	0.75	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Nitrobenzene	ND	11	0.64	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
2-Nitrophenol	ND	11	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
4-Nitrophenol	ND	11	2.1	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	11	0.48	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
N-Nitrosodi-n-propylamine	ND	11	0.64	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Pentachlorophenol	ND	11	0.74	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Phenanthrene	ND	5.6	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Phenol	ND	11	0.21	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
Pyrene	ND	5.6	0.73	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
1,2,4,5-Tetrachlorobenzene	ND	11	0.73	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
2,4,5-Trichlorophenol	ND	11	0.61	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2
2,4,6-Trichlorophenol	ND	11	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:02	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	46.7	15-110	5/4/23 14:02
Phenol-d6	33.7	15-110	5/4/23 14:02
Nitrobenzene-d5	68.6	30-130	5/4/23 14:02
2-Fluorobiphenyl	73.2	30-130	5/4/23 14:02
2,4,6-Tribromophenol	83.3	15-110	5/4/23 14:02
p-Terphenyl-d14	88.0	30-130	5/4/23 14:02

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-09-20230425

Sampled: 4/25/2023 15:00

Sample ID: 23D3155-09

Sample Matrix: Surface Water

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.22	0.062	µg/L	1		SW-846 8082A	5/2/23	5/3/23 14:47	TG
Aroclor-1221 [1]	ND	0.22	0.086	µg/L	1		SW-846 8082A	5/2/23	5/3/23 14:47	TG
Aroclor-1232 [1]	ND	0.22	0.077	µg/L	1		SW-846 8082A	5/2/23	5/3/23 14:47	TG
Aroclor-1242 [1]	ND	0.22	0.083	µg/L	1		SW-846 8082A	5/2/23	5/3/23 14:47	TG
Aroclor-1248 [1]	ND	0.22	0.087	µg/L	1		SW-846 8082A	5/2/23	5/3/23 14:47	TG
Aroclor-1254 [1]	ND	0.22	0.086	µg/L	1		SW-846 8082A	5/2/23	5/3/23 14:47	TG
Aroclor-1260 [1]	ND	0.22	0.064	µg/L	1		SW-846 8082A	5/2/23	5/3/23 14:47	TG
Aroclor-1262 [1]	ND	0.22	0.099	µg/L	1		SW-846 8082A	5/2/23	5/3/23 14:47	TG
Aroclor-1268 [1]	ND	0.22	0.079	µg/L	1		SW-846 8082A	5/2/23	5/3/23 14:47	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		98.9	30-150						5/3/23 14:47	
Decachlorobiphenyl [2]		90.6	30-150						5/3/23 14:47	
Tetrachloro-m-xylene [1]		76.5	30-150						5/3/23 14:47	
Tetrachloro-m-xylene [2]		72.0	30-150						5/3/23 14:47	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-09-20230425

Sampled: 4/25/2023 15:00

Sample ID: 23D3155-09

Sample Matrix: Surface Water

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.15	0.050	0.045	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Barium	0.12	0.050	0.0051	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Calcium	37	0.50	0.22	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Copper	0.0085	0.010	0.0036	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 22:56	NC
Iron	42	0.050	0.047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Lead	ND	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Magnesium	7.1	0.050	0.0095	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Manganese	1.4	0.010	0.0033	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	4/27/23	5/9/23 12:21	AAJ
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Potassium	1.3	2.0	0.28	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 22:56	NC
Selenium	ND	0.050	0.014	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Sodium	45	2.0	1.2	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Vanadium	ND	0.010	0.0038	mg/L	1		SW-846 6010D	4/27/23	5/2/23 22:56	NC
Zinc	0.026	0.010	0.0042	mg/L	1		SW-846 6010D	4/27/23	5/4/23 15:51	NC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-10-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3155-10

Sample Matrix: Surface Water

Sample Flags: RL-12

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	4.0	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Benzene	ND	2.0	0.37	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Bromochloromethane	ND	2.0	0.57	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Bromodichloromethane	ND	1.0	0.32	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Bromoform	ND	2.0	0.82	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Bromomethane	ND	4.0	2.6	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
2-Butanone (MEK)	ND	40	3.4	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Carbon Disulfide	ND	10	3.1	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Chlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Chlorodibromomethane	ND	1.0	0.40	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Chloroethane	ND	4.0	0.68	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Chloroform	ND	4.0	0.28	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Cyclohexane	ND	10	3.5	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.7	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
1,2-Dibromoethane (EDB)	ND	1.0	0.32	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
1,2-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
1,3-Dichlorobenzene	ND	2.0	0.27	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.32	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
1,1-Dichloroethane	ND	2.0	0.27	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
1,2-Dichloroethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
cis-1,2-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
1,2-Dichloropropane	ND	2.0	0.39	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
cis-1,3-Dichloropropene	ND	1.0	0.33	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
trans-1,3-Dichloropropene	ND	1.0	0.28	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
1,4-Dioxane	ND	100	36	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Ethylbenzene	ND	2.0	0.44	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
2-Hexanone (MBK)	ND	20	2.4	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Isopropylbenzene (Cumene)	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Methyl Acetate	ND	2.0	1.2	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Methyl Cyclohexane	ND	2.0	0.31	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Methylene Chloride	ND	10	0.35	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Styrene	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	0.27	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Tetrachloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
1,2,3-Trichlorobenzene	ND	10	0.68	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF
1,2,4-Trichlorobenzene	ND	2.0	0.60	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-10-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3155-10

Sample Matrix: Surface Water

Sample Flags: RL-12

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MF
1,1,2-Trichloroethane	ND	2.0	0.38	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MF
Trichloroethylene	ND	2.0	0.35	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MF
Trichlorofluoromethane (Freon 11)	ND	4.0	0.31	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.42	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MF
Vinyl Chloride	ND	4.0	0.47	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MF
Xylenes (total)	ND	2.0	2.0	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:09	MF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	107	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	92.5	70-130	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-10-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3155-10

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Benzaldehyde	ND	10	0.45	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Biphenyl	ND	20	0.41	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Caprolactam	ND	10	0.28	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Acenaphthene	ND	5.0	0.54	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Acenaphthylene	ND	5.0	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Acetophenone	ND	10	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Anthracene	ND	5.0	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Benzo(a)anthracene	ND	5.0	0.46	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Benzo(a)pyrene	ND	5.0	0.70	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Benzo(b)fluoranthene	ND	5.0	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Benzo(g,h,i)perylene	ND	5.0	0.68	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Benzo(k)fluoranthene	ND	5.0	0.63	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Bis(2-chloroethoxy)methane	ND	10	0.42	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Bis(2-chloroethyl)ether	ND	10	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Bis(2-chloroisopropyl)ether	ND	10	0.64	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Bis(2-Ethylhexyl)phthalate	ND	10	0.84	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
4-Bromophenylphenylether	ND	10	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Butylbenzylphthalate	ND	10	0.66	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Carbazole	ND	10	0.46	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
4-Chloroaniline	ND	10	0.62	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
4-Chloro-3-methylphenol	ND	10	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
2-Chloronaphthalene	ND	10	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
2-Chlorophenol	ND	10	0.46	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
4-Chlorophenylphenylether	ND	10	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Chrysene	ND	5.0	0.44	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Dibenz(a,h)anthracene	ND	5.0	0.74	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Dibenzofuran	ND	5.0	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Di-n-butylphthalate	ND	10	0.49	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
3,3-Dichlorobenzidine	ND	10	0.78	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
2,4-Dichlorophenol	ND	10	0.49	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Diethylphthalate	ND	10	0.41	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
2,4-Dimethylphenol	ND	10	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Dimethylphthalate	ND	10	0.38	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
4,6-Dinitro-2-methylphenol	ND	10	8.5	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
2,4-Dinitrophenol	ND	10	8.5	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
2,4-Dinitrotoluene	ND	10	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
2,6-Dinitrotoluene	ND	10	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Di-n-octylphthalate	ND	10	3.1	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Fluoranthene	ND	5.0	0.48	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Fluorene	ND	5.0	0.54	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Hexachlorobenzene	ND	10	0.58	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Hexachlorobutadiene	ND	10	0.75	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Hexachlorocyclopentadiene	ND	10	6.0	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-10-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3155-10

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	10	0.72	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Indeno(1,2,3-cd)pyrene	ND	5.0	0.78	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Isophorone	ND	10	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
2-Methylnaphthalene	ND	5.0	0.68	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
2-Methylphenol	ND	10	0.49	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
3/4-Methylphenol	ND	10	0.43	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Naphthalene	ND	5.0	0.60	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
2-Nitroaniline	ND	10	0.72	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
3-Nitroaniline	ND	10	0.59	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
4-Nitroaniline	ND	10	0.68	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Nitrobenzene	ND	10	0.58	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
2-Nitrophenol	ND	10	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
4-Nitrophenol	ND	10	1.9	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.43	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
N-Nitrosodi-n-propylamine	ND	10	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Pentachlorophenol	ND	10	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Phenanthrene	ND	5.0	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Phenol	ND	10	0.19	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
Pyrene	ND	5.0	0.66	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
1,2,4,5-Tetrachlorobenzene	ND	10	0.66	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
2,4,5-Trichlorophenol	ND	10	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2
2,4,6-Trichlorophenol	ND	10	0.47	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:23	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	42.2	15-110	5/4/23 14:23
Phenol-d6	29.6	15-110	5/4/23 14:23
Nitrobenzene-d5	60.8	30-130	5/4/23 14:23
2-Fluorobiphenyl	62.9	30-130	5/4/23 14:23
2,4,6-Tribromophenol	71.1	15-110	5/4/23 14:23
p-Terphenyl-d14	78.2	30-130	5/4/23 14:23

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-10-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3155-10

Sample Matrix: Surface Water

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.24	0.068	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:00	TG
Aroclor-1221 [1]	ND	0.24	0.093	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:00	TG
Aroclor-1232 [1]	ND	0.24	0.084	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:00	TG
Aroclor-1242 [1]	ND	0.24	0.090	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:00	TG
Aroclor-1248 [1]	ND	0.24	0.095	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:00	TG
Aroclor-1254 [1]	ND	0.24	0.093	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:00	TG
Aroclor-1260 [1]	ND	0.24	0.070	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:00	TG
Aroclor-1262 [1]	ND	0.24	0.11	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:00	TG
Aroclor-1268 [1]	ND	0.24	0.086	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:00	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		107	30-150						5/3/23 15:00	
Decachlorobiphenyl [2]		98.1	30-150						5/3/23 15:00	
Tetrachloro-m-xylene [1]		85.1	30-150						5/3/23 15:00	
Tetrachloro-m-xylene [2]		81.3	30-150						5/3/23 15:00	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-10-20230425

Sampled: 4/25/2023 16:00

Sample ID: 23D3155-10

Sample Matrix: Surface Water

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.49	0.050	0.045	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Barium	0.095	0.050	0.0051	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Calcium	120	0.50	0.22	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Iron	1.8	0.050	0.047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Lead	ND	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Magnesium	20	0.050	0.0095	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Manganese	2.2	0.010	0.0033	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	4/27/23	5/9/23 12:23	AAJ
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Potassium	0.87	2.0	0.28	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 23:02	NC
Selenium	ND	0.050	0.014	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Sodium	65	2.0	1.2	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Vanadium	ND	0.010	0.0038	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:02	NC
Zinc	0.032	0.010	0.0042	mg/L	1		SW-846 6010D	4/27/23	5/4/23 15:56	NC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-11-20230425

Sampled: 4/25/2023 16:20

Sample ID: 23D3155-11

Sample Matrix: Surface Water

Sample Flags: RL-12

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	7.4	100	4.0	µg/L	2	J	SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Benzene	ND	2.0	0.37	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Bromochloromethane	ND	2.0	0.57	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Bromodichloromethane	ND	1.0	0.32	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Bromoform	ND	2.0	0.82	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Bromomethane	ND	4.0	2.6	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
2-Butanone (MEK)	ND	40	3.4	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Carbon Disulfide	ND	10	3.1	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Chlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Chlorodibromomethane	ND	1.0	0.40	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Chloroethane	ND	4.0	0.68	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Chloroform	ND	4.0	0.28	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Cyclohexane	ND	10	3.5	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.7	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
1,2-Dibromoethane (EDB)	ND	1.0	0.32	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
1,2-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
1,3-Dichlorobenzene	ND	2.0	0.27	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.32	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
1,1-Dichloroethane	ND	2.0	0.27	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
1,2-Dichloroethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
cis-1,2-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
1,2-Dichloropropane	ND	2.0	0.39	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
cis-1,3-Dichloropropene	ND	1.0	0.33	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
trans-1,3-Dichloropropene	ND	1.0	0.28	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
1,4-Dioxane	ND	100	36	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Ethylbenzene	ND	2.0	0.44	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
2-Hexanone (MBK)	ND	20	2.4	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Isopropylbenzene (Cumene)	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Methyl Acetate	ND	2.0	1.2	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Methyl Cyclohexane	ND	2.0	0.31	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Methylene Chloride	ND	10	0.35	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Styrene	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	0.27	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Tetrachloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
1,2,3-Trichlorobenzene	ND	10	0.68	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF
1,2,4-Trichlorobenzene	ND	2.0	0.60	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-11-20230425

Sampled: 4/25/2023 16:20

Sample ID: 23D3155-11

Sample Matrix: Surface Water

Sample Flags: RL-12

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MF
1,1,2-Trichloroethane	ND	2.0	0.38	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MF
Trichloroethylene	ND	2.0	0.35	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MF
Trichlorofluoromethane (Freon 11)	ND	4.0	0.31	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.42	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MF
Vinyl Chloride	ND	4.0	0.47	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MF
Xylenes (total)	ND	2.0	2.0	µg/L	2		SW-846 8260D	4/28/23	5/6/23 1:36	MF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	99.5	70-130	
4-Bromofluorobenzene	92.2	70-130	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-11-20230425

Sampled: 4/25/2023 16:20

Sample ID: 23D3155-11

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	23	0.62	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Benzaldehyde	ND	11	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Biphenyl	ND	23	0.47	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Caprolactam	ND	11	0.32	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Acenaphthene	ND	5.7	0.61	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Acenaphthylene	ND	5.7	0.64	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Acetophenone	ND	11	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Anthracene	ND	5.7	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Benzo(a)anthracene	ND	5.7	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Benzo(a)pyrene	ND	5.7	0.79	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Benzo(b)fluoranthene	ND	5.7	0.62	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Benzo(g,h,i)perylene	ND	5.7	0.77	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Benzo(k)fluoranthene	ND	5.7	0.72	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Bis(2-chloroethoxy)methane	ND	11	0.48	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Bis(2-chloroethyl)ether	ND	11	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Bis(2-chloroisopropyl)ether	ND	11	0.73	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Bis(2-Ethylhexyl)phthalate	ND	11	0.95	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
4-Bromophenylphenylether	ND	11	0.60	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Butylbenzylphthalate	ND	11	0.75	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Carbazole	ND	11	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
4-Chloroaniline	ND	11	0.71	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
4-Chloro-3-methylphenol	ND	11	0.59	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
2-Chloronaphthalene	ND	11	0.59	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
2-Chlorophenol	ND	11	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
4-Chlorophenylphenylether	ND	11	0.63	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Chrysene	ND	5.7	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Dibenz(a,h)anthracene	ND	5.7	0.84	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Dibenzofuran	ND	5.7	0.64	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Di-n-butylphthalate	ND	11	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
3,3-Dichlorobenzidine	ND	11	0.89	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
2,4-Dichlorophenol	ND	11	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Diethylphthalate	ND	11	0.47	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
2,4-Dimethylphenol	ND	11	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Dimethylphthalate	ND	11	0.44	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
4,6-Dinitro-2-methylphenol	ND	11	9.7	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
2,4-Dinitrophenol	ND	11	9.6	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
2,4-Dinitrotoluene	ND	11	0.76	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
2,6-Dinitrotoluene	ND	11	0.64	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Di-n-octylphthalate	ND	11	3.5	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Fluoranthene	ND	5.7	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Fluorene	ND	5.7	0.61	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Hexachlorobenzene	ND	11	0.66	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Hexachlorobutadiene	ND	11	0.85	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Hexachlorocyclopentadiene	ND	11	6.8	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-11-20230425

Sampled: 4/25/2023 16:20

Sample ID: 23D3155-11

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	11	0.81	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Indeno(1,2,3-cd)pyrene	ND	5.7	0.89	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Isophorone	ND	11	0.59	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
2-Methylnaphthalene	ND	5.7	0.77	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
2-Methylphenol	ND	11	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
3/4-Methylphenol	ND	11	0.49	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Naphthalene	ND	5.7	0.68	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
2-Nitroaniline	ND	11	0.82	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
3-Nitroaniline	ND	11	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
4-Nitroaniline	ND	11	0.77	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Nitrobenzene	ND	11	0.66	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
2-Nitrophenol	ND	11	0.58	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
4-Nitrophenol	ND	11	2.2	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	11	0.49	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
N-Nitrosodi-n-propylamine	ND	11	0.65	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Pentachlorophenol	ND	11	0.76	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Phenanthrene	ND	5.7	0.58	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Phenol	ND	11	0.22	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Pyrene	ND	5.7	0.75	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
1,2,4,5-Tetrachlorobenzene	ND	11	0.75	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
2,4,5-Trichlorophenol	ND	11	0.62	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
2,4,6-Trichlorophenol	ND	11	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 14:44	AR2
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
2-Fluorophenol		43.5	15-110						5/4/23 14:44	
Phenol-d6		32.5	15-110						5/4/23 14:44	
Nitrobenzene-d5		52.4	30-130						5/4/23 14:44	
2-Fluorobiphenyl		53.6	30-130						5/4/23 14:44	
2,4,6-Tribromophenol		61.4	15-110						5/4/23 14:44	
p-Terphenyl-d14		66.6	30-130						5/4/23 14:44	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-11-20230425

Sampled: 4/25/2023 16:20

Sample ID: 23D3155-11

Sample Matrix: Surface Water

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	0.061	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:12	TG
Aroclor-1221 [1]	ND	0.21	0.084	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:12	TG
Aroclor-1232 [1]	ND	0.21	0.076	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:12	TG
Aroclor-1242 [1]	ND	0.21	0.081	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:12	TG
Aroclor-1248 [1]	ND	0.21	0.086	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:12	TG
Aroclor-1254 [1]	ND	0.21	0.084	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:12	TG
Aroclor-1260 [1]	ND	0.21	0.063	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:12	TG
Aroclor-1262 [1]	ND	0.21	0.097	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:12	TG
Aroclor-1268 [1]	ND	0.21	0.077	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:12	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		82.2	30-150						5/3/23 15:12	
Decachlorobiphenyl [2]		76.3	30-150						5/3/23 15:12	
Tetrachloro-m-xylene [1]		60.8	30-150						5/3/23 15:12	
Tetrachloro-m-xylene [2]		58.9	30-150						5/3/23 15:12	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-11-20230425

Sampled: 4/25/2023 16:20

Sample ID: 23D3155-11

Sample Matrix: Surface Water

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.062	0.050	0.045	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Barium	0.060	0.050	0.0051	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Calcium	110	0.50	0.22	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Iron	ND	0.050	0.047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Lead	ND	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Magnesium	19	0.050	0.0095	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Manganese	0.25	0.010	0.0033	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	4/27/23	5/9/23 12:25	AAJ
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Potassium	3.9	2.0	0.28	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Selenium	ND	0.050	0.014	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Sodium	73	2.0	1.2	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Vanadium	ND	0.010	0.0038	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:07	NC
Zinc	0.021	0.010	0.0042	mg/L	1		SW-846 6010D	4/27/23	5/4/23 16:01	NC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-13-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3155-12

Sample Matrix: Surface Water

Sample Flags: RL-12

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	12	100	4.0	µg/L	2	J	SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Benzene	ND	2.0	0.37	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Bromochloromethane	ND	2.0	0.57	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Bromodichloromethane	ND	1.0	0.32	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Bromoform	ND	2.0	0.82	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Bromomethane	ND	4.0	2.6	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
2-Butanone (MEK)	ND	40	3.4	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Carbon Disulfide	ND	10	3.1	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Chlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Chlorodibromomethane	ND	1.0	0.40	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Chloroethane	ND	4.0	0.68	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Chloroform	ND	4.0	0.28	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Cyclohexane	ND	10	3.5	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.7	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
1,2-Dibromoethane (EDB)	ND	1.0	0.32	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
1,2-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
1,3-Dichlorobenzene	ND	2.0	0.27	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.32	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
1,1-Dichloroethane	ND	2.0	0.27	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
1,2-Dichloroethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
cis-1,2-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
1,2-Dichloropropane	ND	2.0	0.39	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
cis-1,3-Dichloropropene	ND	1.0	0.33	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
trans-1,3-Dichloropropene	ND	1.0	0.28	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
1,4-Dioxane	ND	100	36	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Ethylbenzene	ND	2.0	0.44	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
2-Hexanone (MBK)	ND	20	2.4	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Isopropylbenzene (Cumene)	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Methyl Acetate	ND	2.0	1.2	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Methyl Cyclohexane	ND	2.0	0.31	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Methylene Chloride	ND	10	0.35	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Styrene	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	0.27	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Tetrachloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
1,2,3-Trichlorobenzene	ND	10	0.68	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF
1,2,4-Trichlorobenzene	ND	2.0	0.60	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-13-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3155-12

Sample Matrix: Surface Water

Sample Flags: RL-12

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MF
1,1,2-Trichloroethane	ND	2.0	0.38	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MF
Trichloroethylene	ND	2.0	0.35	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MF
Trichlorofluoromethane (Freon 11)	ND	4.0	0.31	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.42	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MF
Vinyl Chloride	ND	4.0	0.47	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MF
Xylenes (total)	ND	2.0	2.0	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:03	MF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	108	70-130	
Toluene-d8	103	70-130	
4-Bromofluorobenzene	91.9	70-130	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-13-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3155-12

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	0.54	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Benzaldehyde	ND	9.8	0.44	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Biphenyl	ND	20	0.40	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Caprolactam	ND	9.8	0.28	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Acenaphthene	ND	4.9	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Acenaphthylene	ND	4.9	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Acetophenone	ND	9.8	0.49	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Anthracene	ND	4.9	0.49	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Benzo(a)anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Benzo(a)pyrene	ND	4.9	0.68	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Benzo(b)fluoranthene	ND	4.9	0.54	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Benzo(g,h,i)perylene	ND	4.9	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Benzo(k)fluoranthene	ND	4.9	0.62	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Bis(2-chloroethoxy)methane	ND	9.8	0.42	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Bis(2-chloroethyl)ether	ND	9.8	0.49	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Bis(2-chloroisopropyl)ether	ND	9.8	0.63	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
4-Bromophenylphenylether	ND	9.8	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Butylbenzylphthalate	ND	9.8	0.65	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Carbazole	ND	9.8	0.45	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
4-Chloroaniline	ND	9.8	0.61	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
4-Chloro-3-methylphenol	ND	9.8	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
2-Chloronaphthalene	ND	9.8	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
2-Chlorophenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
4-Chlorophenylphenylether	ND	9.8	0.54	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Chrysene	ND	4.9	0.44	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Dibenz(a,h)anthracene	ND	4.9	0.73	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Dibenzofuran	ND	4.9	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Di-n-butylphthalate	ND	9.8	0.48	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
3,3-Dichlorobenzidine	ND	9.8	0.76	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
2,4-Dichlorophenol	ND	9.8	0.48	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
2,4-Dimethylphenol	ND	9.8	0.49	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Dimethylphthalate	ND	9.8	0.38	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
4,6-Dinitro-2-methylphenol	ND	9.8	8.3	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
2,4-Dinitrophenol	ND	9.8	8.3	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
2,4-Dinitrotoluene	ND	9.8	0.66	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
2,6-Dinitrotoluene	ND	9.8	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Di-n-octylphthalate	ND	9.8	3.1	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Fluoranthene	ND	4.9	0.47	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Fluorene	ND	4.9	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Hexachlorobenzene	ND	9.8	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Hexachlorobutadiene	ND	9.8	0.73	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Hexachlorocyclopentadiene	ND	9.8	5.9	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-13-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3155-12

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	9.8	0.70	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Indeno(1,2,3-cd)pyrene	ND	4.9	0.77	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Isophorone	ND	9.8	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
2-Methylnaphthalene	ND	4.9	0.66	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
2-Methylphenol	ND	9.8	0.48	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
3/4-Methylphenol	ND	9.8	0.43	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Naphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
2-Nitroaniline	ND	9.8	0.71	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
4-Nitroaniline	ND	9.8	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Nitrobenzene	ND	9.8	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
4-Nitrophenol	ND	9.8	1.9	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.42	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
N-Nitrosodi-n-propylamine	ND	9.8	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Pentachlorophenol	ND	9.8	0.65	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Phenanthrene	ND	4.9	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Phenol	ND	9.8	0.19	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
Pyrene	ND	4.9	0.64	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.65	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
2,4,5-Trichlorophenol	ND	9.8	0.54	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2
2,4,6-Trichlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:05	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	41.4	15-110	5/4/23 15:05
Phenol-d6	28.8	15-110	5/4/23 15:05
Nitrobenzene-d5	65.7	30-130	5/4/23 15:05
2-Fluorobiphenyl	70.3	30-130	5/4/23 15:05
2,4,6-Tribromophenol	78.0	15-110	5/4/23 15:05
p-Terphenyl-d14	81.2	30-130	5/4/23 15:05



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-13-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3155-12

Sample Matrix: Surface Water

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.22	0.062	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:25	TG
Aroclor-1221 [1]	ND	0.22	0.086	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:25	TG
Aroclor-1232 [1]	ND	0.22	0.078	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:25	TG
Aroclor-1242 [1]	ND	0.22	0.083	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:25	TG
Aroclor-1248 [1]	ND	0.22	0.088	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:25	TG
Aroclor-1254 [1]	ND	0.22	0.086	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:25	TG
Aroclor-1260 [1]	ND	0.22	0.064	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:25	TG
Aroclor-1262 [1]	ND	0.22	0.10	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:25	TG
Aroclor-1268 [1]	ND	0.22	0.079	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:25	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		99.4	30-150						5/3/23 15:25	
Decachlorobiphenyl [2]		92.6	30-150						5/3/23 15:25	
Tetrachloro-m-xylene [1]		73.6	30-150						5/3/23 15:25	
Tetrachloro-m-xylene [2]		72.0	30-150						5/3/23 15:25	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-13-20230425

Sampled: 4/25/2023 14:00

Sample ID: 23D3155-12

Sample Matrix: Surface Water

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	2.6	0.050	0.045	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:13	NC
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:13	NC
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:13	NC
Barium	0.53	0.050	0.0051	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:13	NC
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:13	NC
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:13	NC
Calcium	280	0.50	0.22	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:13	NC
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:13	NC
Cobalt	0.0032	0.010	0.0021	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 23:13	NC
Copper	0.0040	0.010	0.0036	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 23:13	NC
Iron	11	0.050	0.047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:13	NC
Lead	0.012	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:13	NC
Magnesium	41	0.050	0.0095	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:13	NC
Manganese	6.4	0.010	0.0033	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:13	NC
Mercury	ND	0.00020	0.00014	mg/L	1		SW-846 7470A	4/27/23	5/9/23 12:27	AAJ
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:13	NC
Potassium	12	2.0	0.28	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:13	NC
Selenium	ND	0.050	0.014	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:13	NC
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:13	NC
Sodium	93	2.0	1.2	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:13	NC
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:13	NC
Vanadium	0.0080	0.010	0.0038	mg/L	1	J	SW-846 6010D	4/27/23	5/2/23 23:13	NC
Zinc	0.13	0.010	0.0042	mg/L	1		SW-846 6010D	4/27/23	5/4/23 16:07	NC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-DUP-20230425

Sampled: 4/25/2023 00:00

Sample ID: 23D3155-13

Sample Matrix: Surface Water

Sample Flags: RL-12

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	16	100	4.0	µg/L	2	J	SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Benzene	ND	2.0	0.37	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Bromochloromethane	ND	2.0	0.57	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Bromodichloromethane	ND	1.0	0.32	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Bromoform	ND	2.0	0.82	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Bromomethane	ND	4.0	2.6	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
2-Butanone (MEK)	ND	40	3.4	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Carbon Disulfide	ND	10	3.1	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Chlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Chlorodibromomethane	ND	1.0	0.40	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Chloroethane	ND	4.0	0.68	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Chloroform	ND	4.0	0.28	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Cyclohexane	ND	10	3.5	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.7	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
1,2-Dibromoethane (EDB)	ND	1.0	0.32	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
1,2-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
1,3-Dichlorobenzene	ND	2.0	0.27	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.32	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
1,1-Dichloroethane	ND	2.0	0.27	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
1,2-Dichloroethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
cis-1,2-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
1,2-Dichloropropane	ND	2.0	0.39	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
cis-1,3-Dichloropropene	ND	1.0	0.33	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
trans-1,3-Dichloropropene	ND	1.0	0.28	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
1,4-Dioxane	ND	100	36	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Ethylbenzene	ND	2.0	0.44	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
2-Hexanone (MBK)	ND	20	2.4	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Isopropylbenzene (Cumene)	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Methyl Acetate	ND	2.0	1.2	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Methyl Cyclohexane	ND	2.0	0.31	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Methylene Chloride	ND	10	0.35	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Styrene	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	0.27	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Tetrachloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
1,2,3-Trichlorobenzene	ND	10	0.68	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF
1,2,4-Trichlorobenzene	ND	2.0	0.60	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-DUP-20230425

Sampled: 4/25/2023 00:00

Sample ID: 23D3155-13

Sample Matrix: Surface Water

Sample Flags: RL-12

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	2.0	0.30	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MF
1,1,2-Trichloroethane	ND	2.0	0.38	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MF
Trichloroethylene	ND	2.0	0.35	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MF
Trichlorofluoromethane (Freon 11)	ND	4.0	0.31	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.42	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MF
Vinyl Chloride	ND	4.0	0.47	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MF
Xylenes (total)	ND	2.0	2.0	µg/L	2		SW-846 8260D	4/28/23	5/6/23 2:29	MF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	108	70-130	
Toluene-d8	99.5	70-130	
4-Bromofluorobenzene	91.8	70-130	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-DUP-20230425

Sampled: 4/25/2023 00:00

Sample ID: 23D3155-13

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	20	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Benzaldehyde	ND	10	0.46	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Biphenyl	ND	20	0.42	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Caprolactam	ND	10	0.29	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Acenaphthene	ND	5.1	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Acenaphthylene	ND	5.1	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Acetophenone	ND	10	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Anthracene	ND	5.1	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Benzo(a)anthracene	ND	5.1	0.47	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Benzo(a)pyrene	ND	5.1	0.71	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Benzo(b)fluoranthene	ND	5.1	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Benzo(g,h,i)perylene	ND	5.1	0.69	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Benzo(k)fluoranthene	ND	5.1	0.64	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Bis(2-chloroethoxy)methane	ND	10	0.43	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Bis(2-chloroethyl)ether	ND	10	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Bis(2-chloroisopropyl)ether	ND	10	0.65	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Bis(2-Ethylhexyl)phthalate	1.0	10	0.85	µg/L	1	J	SW-846 8270E	5/2/23	5/4/23 15:27	AR2
4-Bromophenylphenylether	ND	10	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Butylbenzylphthalate	ND	10	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Carbazole	ND	10	0.46	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
4-Chloroaniline	ND	10	0.63	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
4-Chloro-3-methylphenol	ND	10	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
2-Chloronaphthalene	ND	10	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
2-Chlorophenol	ND	10	0.46	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
4-Chlorophenylphenylether	ND	10	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Chrysene	ND	5.1	0.45	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Dibenz(a,h)anthracene	ND	5.1	0.75	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Dibenzofuran	ND	5.1	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Di-n-butylphthalate	ND	10	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
3,3-Dichlorobenzidine	ND	10	0.79	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
2,4-Dichlorophenol	ND	10	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Diethylphthalate	ND	10	0.42	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
2,4-Dimethylphenol	ND	10	0.51	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Dimethylphthalate	ND	10	0.39	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
4,6-Dinitro-2-methylphenol	ND	10	8.6	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
2,4-Dinitrophenol	ND	10	8.6	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
2,4-Dinitrotoluene	ND	10	0.68	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
2,6-Dinitrotoluene	ND	10	0.57	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Di-n-octylphthalate	ND	10	3.2	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Fluoranthene	ND	5.1	0.49	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Fluorene	ND	5.1	0.55	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Hexachlorobenzene	ND	10	0.59	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Hexachlorobutadiene	ND	10	0.76	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Hexachlorocyclopentadiene	ND	10	6.1	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-DUP-20230425

Sampled: 4/25/2023 00:00

Sample ID: 23D3155-13

Sample Matrix: Surface Water

## Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	10	0.73	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Indeno(1,2,3-cd)pyrene	ND	5.1	0.80	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Isophorone	ND	10	0.53	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
2-Methylnaphthalene	ND	5.1	0.69	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
2-Methylphenol	ND	10	0.50	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
3/4-Methylphenol	ND	10	0.44	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Naphthalene	ND	5.1	0.61	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
2-Nitroaniline	ND	10	0.73	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
3-Nitroaniline	ND	10	0.60	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
4-Nitroaniline	ND	10	0.69	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Nitrobenzene	ND	10	0.59	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
2-Nitrophenol	ND	10	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
4-Nitrophenol	ND	10	2.0	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.44	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
N-Nitrosodi-n-propylamine	ND	10	0.58	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Pentachlorophenol	ND	10	0.68	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Phenanthrene	ND	5.1	0.52	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Phenol	ND	10	0.19	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
Pyrene	ND	5.1	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
1,2,4,5-Tetrachlorobenzene	ND	10	0.67	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
2,4,5-Trichlorophenol	ND	10	0.56	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2
2,4,6-Trichlorophenol	ND	10	0.48	µg/L	1		SW-846 8270E	5/2/23	5/4/23 15:27	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	42.6	15-110	5/4/23 15:27
Phenol-d6	30.9	15-110	5/4/23 15:27
Nitrobenzene-d5	68.7	30-130	5/4/23 15:27
2-Fluorobiphenyl	70.9	30-130	5/4/23 15:27
2,4,6-Tribromophenol	85.2	15-110	5/4/23 15:27
p-Terphenyl-d14	91.1	30-130	5/4/23 15:27

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-DUP-20230425

Sampled: 4/25/2023 00:00

Sample ID: 23D3155-13

Sample Matrix: Surface Water

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	0.057	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:37	TG
Aroclor-1221 [1]	ND	0.20	0.079	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:37	TG
Aroclor-1232 [1]	ND	0.20	0.071	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:37	TG
Aroclor-1242 [1]	ND	0.20	0.076	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:37	TG
Aroclor-1248 [1]	ND	0.20	0.080	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:37	TG
Aroclor-1254 [1]	ND	0.20	0.079	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:37	TG
Aroclor-1260 [1]	ND	0.20	0.059	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:37	TG
Aroclor-1262 [1]	ND	0.20	0.091	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:37	TG
Aroclor-1268 [1]	ND	0.20	0.073	µg/L	1		SW-846 8082A	5/2/23	5/3/23 15:37	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		78.6	30-150						5/3/23 15:37	
Decachlorobiphenyl [2]		74.0	30-150						5/3/23 15:37	
Tetrachloro-m-xylene [1]		71.9	30-150						5/3/23 15:37	
Tetrachloro-m-xylene [2]		69.9	30-150						5/3/23 15:37	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Milton, NY

Sample Description:

Work Order: 23D3155

Date Received: 4/26/2023

Field Sample #: SW-DUP-20230425

Sampled: 4/25/2023 00:00

Sample ID: 23D3155-13

Sample Matrix: Surface Water

**Metals Analyses (Total)**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.25	0.050	0.045	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Antimony	ND	0.050	0.0082	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Barium	0.24	0.050	0.0051	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Beryllium	ND	0.0040	0.0012	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Cadmium	ND	0.0040	0.0018	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Calcium	200	0.50	0.22	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Chromium	ND	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Cobalt	ND	0.010	0.0021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Copper	0.023	0.010	0.0036	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Iron	64	0.050	0.047	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Lead	0.12	0.010	0.0068	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Magnesium	20	0.050	0.0095	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Manganese	1.4	0.010	0.0033	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Mercury	0.00016	0.00020	0.00014	mg/L	1	J	SW-846 7470A	4/27/23	5/9/23 12:28	AAJ
Nickel	ND	0.010	0.0098	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Potassium	6.3	2.0	0.28	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Selenium	ND	0.050	0.014	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Silver	ND	0.010	0.0035	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Sodium	78	2.0	1.2	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Thallium	ND	0.050	0.021	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Vanadium	ND	0.010	0.0038	mg/L	1		SW-846 6010D	4/27/23	5/2/23 23:19	NC
Zinc	0.34	0.010	0.0042	mg/L	1		SW-846 6010D	4/27/23	5/4/23 16:14	NC



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**Sample Extraction Data**
**Prep Method: SW-846 3005A Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23D3155-01 [SW-01A-20230425]	B338521	50.0	50.0	04/27/23
23D3155-02 [SW-02A-20230425]	B338521	50.0	50.0	04/27/23
23D3155-03 [SW-03A-20230425]	B338521	50.0	50.0	04/27/23
23D3155-04 [SW-04A-20230425]	B338521	50.0	50.0	04/27/23
23D3155-05 [SW-05-20230425]	B338521	50.0	50.0	04/27/23
23D3155-06 [SW-06-20230425]	B338521	50.0	50.0	04/27/23
23D3155-07 [SW-07-20230425]	B338521	50.0	50.0	04/27/23
23D3155-08 [SW-08-20230425]	B338521	50.0	50.0	04/27/23
23D3155-09 [SW-09-20230425]	B338521	50.0	50.0	04/27/23
23D3155-10 [SW-10-20230425]	B338521	50.0	50.0	04/27/23
23D3155-11 [SW-11-20230425]	B338521	50.0	50.0	04/27/23
23D3155-12 [SW-13-20230425]	B338521	50.0	50.0	04/27/23
23D3155-13 [SW-DUP-20230425]	B338521	50.0	50.0	04/27/23

**Prep Method: SW-846 7470A Prep Analytical Method: SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23D3155-01 [SW-01A-20230425]	B338513	10.0	10.0	04/27/23
23D3155-02 [SW-02A-20230425]	B338513	10.0	10.0	04/27/23
23D3155-03 [SW-03A-20230425]	B338513	10.0	10.0	04/27/23
23D3155-04 [SW-04A-20230425]	B338513	10.0	10.0	04/27/23
23D3155-05 [SW-05-20230425]	B338513	10.0	10.0	04/27/23
23D3155-06 [SW-06-20230425]	B338513	10.0	10.0	04/27/23
23D3155-07 [SW-07-20230425]	B338513	10.0	10.0	04/27/23
23D3155-08 [SW-08-20230425]	B338513	10.0	10.0	04/27/23
23D3155-09 [SW-09-20230425]	B338513	10.0	10.0	04/27/23
23D3155-10 [SW-10-20230425]	B338513	10.0	10.0	04/27/23
23D3155-11 [SW-11-20230425]	B338513	10.0	10.0	04/27/23
23D3155-12 [SW-13-20230425]	B338513	10.0	10.0	04/27/23
23D3155-13 [SW-DUP-20230425]	B338513	10.0	10.0	04/27/23

**Prep Method: SW-846 3510C Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23D3155-01 [SW-01A-20230425]	B338778	970	10.0	05/01/23
23D3155-02 [SW-02A-20230425]	B338778	960	10.0	05/01/23
23D3155-03 [SW-03A-20230425]	B338778	960	10.0	05/01/23
23D3155-04 [SW-04A-20230425]	B338778	930	10.0	05/01/23
23D3155-05 [SW-05-20230425]	B338778	980	10.0	05/01/23
23D3155-06 [SW-06-20230425]	B338778	970	10.0	05/01/23
23D3155-07 [SW-07-20230425]	B338778	930	10.0	05/01/23

**Prep Method: SW-846 3510C Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23D3155-08 [SW-08-20230425]	B338910	865	10.0	05/02/23
23D3155-09 [SW-09-20230425]	B338910	925	10.0	05/02/23
23D3155-10 [SW-10-20230425]	B338910	850	10.0	05/02/23
23D3155-11 [SW-11-20230425]	B338910	945	10.0	05/02/23
23D3155-12 [SW-13-20230425]	B338910	920	10.0	05/02/23
23D3155-13 [SW-DUP-20230425]	B338910	1000	10.0	05/02/23

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**Sample Extraction Data**
**Prep Method: SW-846 5030B    Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23D3155-01 [SW-01A-20230425]	B338514	5	5.00	04/28/23
23D3155-02 [SW-02A-20230425]	B338514	2.5	5.00	04/28/23
23D3155-03 [SW-03A-20230425]	B338514	5	5.00	04/28/23
23D3155-04 [SW-04A-20230425]	B338514	2.5	5.00	04/28/23
23D3155-05 [SW-05-20230425]	B338514	5	5.00	04/28/23
23D3155-06 [SW-06-20230425]	B338514	2.5	5.00	04/28/23
23D3155-07 [SW-07-20230425]	B338514	2.5	5.00	04/28/23

**Prep Method: SW-846 5030B    Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23D3155-08 [SW-08-20230425]	B338608	5	5.00	04/28/23
23D3155-09 [SW-09-20230425]	B338608	5	5.00	04/28/23
23D3155-10 [SW-10-20230425]	B338608	2.5	5.00	04/28/23
23D3155-11 [SW-11-20230425]	B338608	2.5	5.00	04/28/23
23D3155-12 [SW-13-20230425]	B338608	2.5	5.00	04/28/23
23D3155-13 [SW-DUP-20230425]	B338608	2.5	5.00	04/28/23

**Prep Method: SW-846 3510C    Analytical Method: SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23D3155-01 [SW-01A-20230425]	B338908	965	1.00	05/02/23
23D3155-02 [SW-02A-20230425]	B338908	880	1.00	05/02/23
23D3155-03 [SW-03A-20230425]	B338908	940	1.00	05/02/23
23D3155-04 [SW-04A-20230425]	B338908	870	1.00	05/02/23
23D3155-05 [SW-05-20230425]	B338908	1010	1.00	05/02/23
23D3155-06 [SW-06-20230425]	B338908	990	1.00	05/02/23
23D3155-07 [SW-07-20230425]	B338908	980	1.00	05/02/23
23D3155-08 [SW-08-20230425]	B338908	990	1.00	05/02/23
23D3155-09 [SW-09-20230425]	B338908	900	1.00	05/02/23
23D3155-10 [SW-10-20230425]	B338908	1000	1.00	05/02/23
23D3155-11 [SW-11-20230425]	B338908	880	1.00	05/02/23
23D3155-12 [SW-13-20230425]	B338908	1020	1.00	05/02/23
23D3155-13 [SW-DUP-20230425]	B338908	985	1.00	05/02/23

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B338514 - SW-846 5030B**
**Blank (B338514-BLK1)**

Prepared: 04/27/23 Analyzed: 04/29/23

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,3-Trimethylbenzene	ND	0.50	µg/L							

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**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338514 - SW-846 5030B</b>										
<b>Blank (B338514-BLK1)</b>										
Prepared: 04/27/23 Analyzed: 04/29/23										
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	28.2		µg/L	25.0		113	70-130			
Surrogate: Toluene-d8	26.4		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	23.6		µg/L	25.0		94.3	70-130			
<b>LCS (B338514-BS1)</b>										
Prepared: 04/27/23 Analyzed: 04/29/23										
Acetone	97.7	50	µg/L	100		97.7	70-160			†
Benzene	10.2	1.0	µg/L	10.0		102	70-130			
Bromochloromethane	11.2	1.0	µg/L	10.0		112	70-130			
Bromodichloromethane	11.0	0.50	µg/L	10.0		110	70-130			
Bromoform	8.59	1.0	µg/L	10.0		85.9	70-130			
Bromomethane	10.4	2.0	µg/L	10.0		104	40-160			†
2-Butanone (MEK)	103	20	µg/L	100		103	40-160			†
tert-Butyl Alcohol (TBA)	75.5	20	µg/L	100		75.5	40-160			†
Carbon Disulfide	94.2	5.0	µg/L	100		94.2	70-130			
Carbon Tetrachloride	10.2	5.0	µg/L	10.0		102	70-130			
Chlorobenzene	9.87	1.0	µg/L	10.0		98.7	70-130			
Chlorodibromomethane	9.75	0.50	µg/L	10.0		97.5	70-130			
Chloroethane	9.65	2.0	µg/L	10.0		96.5	70-130			
Chloroform	10.0	2.0	µg/L	10.0		100	70-130			
Chloromethane	9.29	2.0	µg/L	10.0		92.9	40-160			†
Cyclohexane	10.5	5.0	µg/L	10.0		105	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.94	5.0	µg/L	10.0		89.4	70-130			
1,2-Dibromoethane (EDB)	10.3	0.50	µg/L	10.0		103	70-130			
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,4-Dichlorobenzene	9.83	1.0	µg/L	10.0		98.3	70-130			
Dichlorodifluoromethane (Freon 12)	12.6	2.0	µg/L	10.0		126	40-160		V-20	†
1,1-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
1,2-Dichloroethane	11.4	1.0	µg/L	10.0		114	70-130			
1,1-Dichloroethylene	9.59	1.0	µg/L	10.0		95.9	70-130			
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
trans-1,2-Dichloroethylene	9.42	1.0	µg/L	10.0		94.2	70-130			
1,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	70-130			
cis-1,3-Dichloropropene	9.83	0.50	µg/L	10.0		98.3	70-130			
trans-1,3-Dichloropropene	9.65	0.50	µg/L	10.0		96.5	70-130			
1,4-Dioxane	89.3	50	µg/L	100		89.3	40-130			†
Ethylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130			
2-Hexanone (MBK)	100	10	µg/L	100		100	70-160			†
Isopropylbenzene (Cumene)	9.47	1.0	µg/L	10.0		94.7	70-130			
Methyl Acetate	8.10	1.0	µg/L	10.0		81.0	70-130			
Methyl tert-Butyl Ether (MTBE)	9.92	1.0	µg/L	10.0		99.2	70-130			
Methyl Cyclohexane	11.2	1.0	µg/L	10.0		112	70-130			
Methylene Chloride	9.51	5.0	µg/L	10.0		95.1	70-130			
4-Methyl-2-pentanone (MIBK)	99.1	10	µg/L	100		99.1	70-160			†
Styrene	9.57	1.0	µg/L	10.0		95.7	70-130			
1,1,2,2-Tetrachloroethane	9.22	0.50	µg/L	10.0		92.2	70-130			

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B338514 - SW-846 5030B**
**LCS (B338514-BS1)**

Prepared: 04/27/23 Analyzed: 04/29/23

Tetrachloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
Toluene	10.3	1.0	µg/L	10.0		103	70-130			
1,2,3-Trichlorobenzene	9.54	5.0	µg/L	10.0		95.4	70-130			
1,2,4-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130			
Trichloroethylene	10.0	1.0	µg/L	10.0		100	70-130			
Trichlorofluoromethane (Freon 11)	10.7	2.0	µg/L	10.0		107	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130			
1,2,3-Trimethylbenzene	10.6	0.50	µg/L	10.0		106	70-130			
1,2,4-Trimethylbenzene	9.95	1.0	µg/L	10.0		99.5	70-130			
1,3,5-Trimethylbenzene	9.62	1.0	µg/L	10.0		96.2	70-130			
Vinyl Chloride	11.4	2.0	µg/L	10.0		114	40-160			†
m+p Xylene	19.8	2.0	µg/L	20.0		99.2	70-130			
o-Xylene	9.84	1.0	µg/L	10.0		98.4	70-130			
Xylenes (total)	29.7	1.0	µg/L	30.0		99.0	0-200			
Surrogate: 1,2-Dichloroethane-d4	27.4		µg/L	25.0		110	70-130			
Surrogate: Toluene-d8	26.0		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	23.6		µg/L	25.0		94.4	70-130			

**LCS Dup (B338514-BS1)**

Prepared: 04/27/23 Analyzed: 04/29/23

Acetone	105	50	µg/L	100		105	70-160	7.45	25	†
Benzene	10.8	1.0	µg/L	10.0		108	70-130	6.01	25	
Bromochloromethane	10.6	1.0	µg/L	10.0		106	70-130	5.98	25	
Bromodichloromethane	10.7	0.50	µg/L	10.0		107	70-130	2.78	25	
Bromoform	8.62	1.0	µg/L	10.0		86.2	70-130	0.349	25	
Bromomethane	10.4	2.0	µg/L	10.0		104	40-160	0.00	25	†
2-Butanone (MEK)	108	20	µg/L	100		108	40-160	5.20	25	†
tert-Butyl Alcohol (TBA)	84.5	20	µg/L	100		84.5	40-160	11.2	25	†
Carbon Disulfide	94.2	5.0	µg/L	100		94.2	70-130	0.0955	25	
Carbon Tetrachloride	10.1	5.0	µg/L	10.0		101	70-130	1.57	25	
Chlorobenzene	9.91	1.0	µg/L	10.0		99.1	70-130	0.404	25	
Chlorodibromomethane	9.28	0.50	µg/L	10.0		92.8	70-130	4.94	25	
Chloroethane	10.3	2.0	µg/L	10.0		103	70-130	6.90	25	
Chloroform	10.3	2.0	µg/L	10.0		103	70-130	2.47	25	
Chloromethane	8.97	2.0	µg/L	10.0		89.7	40-160	3.50	25	†
Cyclohexane	10.2	5.0	µg/L	10.0		102	70-130	3.09	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.27	5.0	µg/L	10.0		82.7	70-130	7.79	25	
1,2-Dibromoethane (EDB)	9.99	0.50	µg/L	10.0		99.9	70-130	3.25	25	
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.27	25	
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	1.09	25	
1,4-Dichlorobenzene	9.96	1.0	µg/L	10.0		99.6	70-130	1.31	25	
Dichlorodifluoromethane (Freon 12)	12.4	2.0	µg/L	10.0		124	40-160	1.52	25	V-20 †
1,1-Dichloroethane	9.77	1.0	µg/L	10.0		97.7	70-130	5.09	25	
1,2-Dichloroethane	11.3	1.0	µg/L	10.0		113	70-130	0.881	25	
1,1-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	5.38	25	
cis-1,2-Dichloroethylene	9.96	1.0	µg/L	10.0		99.6	70-130	0.999	25	
trans-1,2-Dichloroethylene	9.53	1.0	µg/L	10.0		95.3	70-130	1.16	25	
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130	4.92	25	
cis-1,3-Dichloropropene	10.0	0.50	µg/L	10.0		100	70-130	1.91	25	
trans-1,3-Dichloropropene	9.55	0.50	µg/L	10.0		95.5	70-130	1.04	25	
1,4-Dioxane	89.6	50	µg/L	100		89.6	40-130	0.324	50	† ‡

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**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338514 - SW-846 5030B</b>										
<b>LCS Dup (B338514-BSD1)</b>										
Prepared: 04/27/23 Analyzed: 04/29/23										
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	3.08	25	
2-Hexanone (MBK)	102	10	µg/L	100		102	70-160	1.45	25	†
Isopropylbenzene (Cumene)	9.69	1.0	µg/L	10.0		96.9	70-130	2.30	25	
Methyl Acetate	8.51	1.0	µg/L	10.0		85.1	70-130	4.94	25	
Methyl tert-Butyl Ether (MTBE)	10.0	1.0	µg/L	10.0		100	70-130	1.10	25	
Methyl Cyclohexane	11.2	1.0	µg/L	10.0		112	70-130	0.625	25	
Methylene Chloride	9.58	5.0	µg/L	10.0		95.8	70-130	0.733	25	
4-Methyl-2-pentanone (MIBK)	102	10	µg/L	100		102	70-160	2.54	25	†
Styrene	9.53	1.0	µg/L	10.0		95.3	70-130	0.419	25	
1,1,2,2-Tetrachloroethane	9.43	0.50	µg/L	10.0		94.3	70-130	2.25	25	
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130	6.95	25	
Toluene	10.0	1.0	µg/L	10.0		100	70-130	3.34	25	
1,2,3-Trichlorobenzene	9.73	5.0	µg/L	10.0		97.3	70-130	1.97	25	
1,2,4-Trichlorobenzene	9.85	1.0	µg/L	10.0		98.5	70-130	3.98	25	
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	0.386	25	
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	4.90	25	
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	4.77	25	
Trichlorofluoromethane (Freon 11)	10.9	2.0	µg/L	10.0		109	70-130	1.76	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3	1.0	µg/L	10.0		103	70-130	2.12	25	
1,2,3-Trimethylbenzene	10.6	0.50	µg/L	10.0		106	70-130	0.471	25	
1,2,4-Trimethylbenzene	9.85	1.0	µg/L	10.0		98.5	70-130	1.01	25	
1,3,5-Trimethylbenzene	9.77	1.0	µg/L	10.0		97.7	70-130	1.55	25	
Vinyl Chloride	11.6	2.0	µg/L	10.0		116	40-160	1.13	25	†
m+p Xylene	19.9	2.0	µg/L	20.0		99.6	70-130	0.352	25	
o-Xylene	9.73	1.0	µg/L	10.0		97.3	70-130	1.12	25	
Xylenes (total)	29.6	1.0	µg/L	30.0		98.8	0-200	0.135		
Surrogate: 1,2-Dichloroethane-d4	28.6		µg/L	25.0		114	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	23.7		µg/L	25.0		94.8	70-130			

**Batch B338608 - SW-846 5030B**

<b>Blank (B338608-BLK1)</b>										
Prepared: 04/28/23 Analyzed: 05/05/23										
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							

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**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B338608 - SW-846 5030B**
**Blank (B338608-BLK1)**

Prepared: 04/28/23 Analyzed: 05/05/23

1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	26.6		µg/L	25.0		106	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	23.4		µg/L	25.0		93.4	70-130			

**LCS (B338608-BS1)**

Prepared: 04/28/23 Analyzed: 05/05/23

Acetone	93.8	50	µg/L	100		93.8	70-160			†
Benzene	9.82	1.0	µg/L	10.0		98.2	70-130			
Bromochloromethane	10.1	1.0	µg/L	10.0		101	70-130			
Bromodichloromethane	10.0	0.50	µg/L	10.0		100	70-130			
Bromoform	8.43	1.0	µg/L	10.0		84.3	70-130			
Bromomethane	14.4	2.0	µg/L	10.0		144	40-160		V-20	†
2-Butanone (MEK)	103	20	µg/L	100		103	40-160			†
Carbon Disulfide	94.0	5.0	µg/L	100		94.0	70-130			
Carbon Tetrachloride	9.16	5.0	µg/L	10.0		91.6	70-130			
Chlorobenzene	9.85	1.0	µg/L	10.0		98.5	70-130			
Chlorodibromomethane	9.44	0.50	µg/L	10.0		94.4	70-130			
Chloroethane	9.40	2.0	µg/L	10.0		94.0	70-130			
Chloroform	9.62	2.0	µg/L	10.0		96.2	70-130			

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**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338608 - SW-846 5030B</b>										
<b>LCS (B338608-BS1)</b>										
					Prepared: 04/28/23 Analyzed: 05/05/23					
Chloromethane	11.4	2.0	µg/L	10.0		114	40-160			†
Cyclohexane	9.82	5.0	µg/L	10.0		98.2	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.96	5.0	µg/L	10.0		89.6	70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130			
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
1,3-Dichlorobenzene	9.98	1.0	µg/L	10.0		99.8	70-130			
1,4-Dichlorobenzene	9.81	1.0	µg/L	10.0		98.1	70-130			
Dichlorodifluoromethane (Freon 12)	11.3	2.0	µg/L	10.0		113	40-160			†
1,1-Dichloroethane	9.44	1.0	µg/L	10.0		94.4	70-130			
1,2-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130			
1,1-Dichloroethylene	8.96	1.0	µg/L	10.0		89.6	70-130			
cis-1,2-Dichloroethylene	9.46	1.0	µg/L	10.0		94.6	70-130			
trans-1,2-Dichloroethylene	8.82	1.0	µg/L	10.0		88.2	70-130			
1,2-Dichloropropane	9.93	1.0	µg/L	10.0		99.3	70-130			
cis-1,3-Dichloropropene	9.51	0.50	µg/L	10.0		95.1	70-130			
trans-1,3-Dichloropropene	9.38	0.50	µg/L	10.0		93.8	70-130			
1,4-Dioxane	89.2	50	µg/L	100		89.2	40-130			†
Ethylbenzene	9.83	1.0	µg/L	10.0		98.3	70-130			
2-Hexanone (MBK)	102	10	µg/L	100		102	70-160			†
Isopropylbenzene (Cumene)	9.26	1.0	µg/L	10.0		92.6	70-130			
Methyl Acetate	8.33	1.0	µg/L	10.0		83.3	70-130			
Methyl tert-Butyl Ether (MTBE)	9.58	1.0	µg/L	10.0		95.8	70-130			
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104	70-130			
Methylene Chloride	9.52	5.0	µg/L	10.0		95.2	70-130			
4-Methyl-2-pentanone (MIBK)	103	10	µg/L	100		103	70-160			†
Styrene	9.53	1.0	µg/L	10.0		95.3	70-130			
1,1,2,2-Tetrachloroethane	9.29	0.50	µg/L	10.0		92.9	70-130			
Tetrachloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
Toluene	10.3	1.0	µg/L	10.0		103	70-130			
1,2,3-Trichlorobenzene	9.55	5.0	µg/L	10.0		95.5	70-130			
1,2,4-Trichlorobenzene	9.71	1.0	µg/L	10.0		97.1	70-130			
1,1,1-Trichloroethane	9.52	1.0	µg/L	10.0		95.2	70-130			
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
Trichloroethylene	9.91	1.0	µg/L	10.0		99.1	70-130			
Trichlorofluoromethane (Freon 11)	9.53	2.0	µg/L	10.0		95.3	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.64	1.0	µg/L	10.0		96.4	70-130			
Vinyl Chloride	11.2	2.0	µg/L	10.0		112	40-160			†
m+p Xylene	19.5	2.0	µg/L	20.0		97.6	70-130			
o-Xylene	9.41	1.0	µg/L	10.0		94.1	70-130			
Xylenes (total)	28.9	1.0	µg/L	30.0		96.4	0-200			
Surrogate: 1,2-Dichloroethane-d4	26.8		µg/L	25.0		107	70-130			
Surrogate: Toluene-d8	26.3		µg/L	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	24.0		µg/L	25.0		95.9	70-130			



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338608 - SW-846 5030B</b>										
<b>LCS Dup (B338608-BSD1)</b>										
					Prepared: 04/28/23 Analyzed: 05/05/23					
Acetone	95.0	50	µg/L	100		95.0	70-160	1.32	25	†
Benzene	10.6	1.0	µg/L	10.0		106	70-130	7.73	25	
Bromochloromethane	10.5	1.0	µg/L	10.0		105	70-130	3.80	25	
Bromodichloromethane	10.1	0.50	µg/L	10.0		101	70-130	0.893	25	
Bromoform	8.45	1.0	µg/L	10.0		84.5	70-130	0.237	25	
Bromomethane	13.6	2.0	µg/L	10.0		136	40-160	5.21	25	V-20 †
2-Butanone (MEK)	101	20	µg/L	100		101	40-160	1.84	25	†
Carbon Disulfide	96.0	5.0	µg/L	100		96.0	70-130	2.11	25	
Carbon Tetrachloride	9.43	5.0	µg/L	10.0		94.3	70-130	2.90	25	
Chlorobenzene	9.85	1.0	µg/L	10.0		98.5	70-130	0.00	25	
Chlorodibromomethane	8.91	0.50	µg/L	10.0		89.1	70-130	5.78	25	
Chloroethane	9.00	2.0	µg/L	10.0		90.0	70-130	4.35	25	
Chloroform	9.61	2.0	µg/L	10.0		96.1	70-130	0.104	25	
Chloromethane	11.2	2.0	µg/L	10.0		112	40-160	1.50	25	†
Cyclohexane	10.0	5.0	µg/L	10.0		100	70-130	1.92	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.19	5.0	µg/L	10.0		81.9	70-130	8.98	25	
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130	2.03	25	
1,2-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	1.39	25	
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	1.59	25	
1,4-Dichlorobenzene	9.77	1.0	µg/L	10.0		97.7	70-130	0.409	25	
Dichlorodifluoromethane (Freon 12)	11.6	2.0	µg/L	10.0		116	40-160	2.79	25	†
1,1-Dichloroethane	9.38	1.0	µg/L	10.0		93.8	70-130	0.638	25	
1,2-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130	2.14	25	
1,1-Dichloroethylene	9.49	1.0	µg/L	10.0		94.9	70-130	5.75	25	
cis-1,2-Dichloroethylene	9.05	1.0	µg/L	10.0		90.5	70-130	4.43	25	
trans-1,2-Dichloroethylene	8.83	1.0	µg/L	10.0		88.3	70-130	0.113	25	
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130	5.58	25	
cis-1,3-Dichloropropene	9.35	0.50	µg/L	10.0		93.5	70-130	1.70	25	
trans-1,3-Dichloropropene	9.24	0.50	µg/L	10.0		92.4	70-130	1.50	25	
1,4-Dioxane	90.6	50	µg/L	100		90.6	40-130	1.59	50	† ‡
Ethylbenzene	9.86	1.0	µg/L	10.0		98.6	70-130	0.305	25	
2-Hexanone (MBK)	97.7	10	µg/L	100		97.7	70-160	3.87	25	†
Isopropylbenzene (Cumene)	9.57	1.0	µg/L	10.0		95.7	70-130	3.29	25	
Methyl Acetate	8.13	1.0	µg/L	10.0		81.3	70-130	2.43	25	
Methyl tert-Butyl Ether (MTBE)	9.40	1.0	µg/L	10.0		94.0	70-130	1.90	25	
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130	2.66	25	
Methylene Chloride	9.02	5.0	µg/L	10.0		90.2	70-130	5.39	25	
4-Methyl-2-pentanone (MIBK)	98.6	10	µg/L	100		98.6	70-160	4.03	25	†
Styrene	9.64	1.0	µg/L	10.0		96.4	70-130	1.15	25	
1,1,2,2-Tetrachloroethane	8.91	0.50	µg/L	10.0		89.1	70-130	4.18	25	
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130	1.37	25	
Toluene	9.90	1.0	µg/L	10.0		99.0	70-130	3.67	25	
1,2,3-Trichlorobenzene	8.81	5.0	µg/L	10.0		88.1	70-130	8.06	25	
1,2,4-Trichlorobenzene	9.10	1.0	µg/L	10.0		91.0	70-130	6.49	25	
1,1,1-Trichloroethane	9.79	1.0	µg/L	10.0		97.9	70-130	2.80	25	
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	5.43	25	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	3.08	25	
Trichlorofluoromethane (Freon 11)	10.1	2.0	µg/L	10.0		101	70-130	6.01	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.68	1.0	µg/L	10.0		96.8	70-130	0.414	25	
Vinyl Chloride	11.2	2.0	µg/L	10.0		112	40-160	0.0893	25	†
m+p Xylene	19.8	2.0	µg/L	20.0		99.2	70-130	1.68	25	

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**QUALITY CONTROL**
**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B338608 - SW-846 5030B**
**LCS Dup (B338608-BSD1)**

Prepared: 04/28/23 Analyzed: 05/05/23

o-Xylene	9.52	1.0	µg/L	10.0		95.2	70-130	1.16	25	
Xylenes (total)	29.4	1.0	µg/L	30.0		97.9	0-200	1.51		
Surrogate: 1,2-Dichloroethane-d4	27.2		µg/L	25.0		109	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	23.9		µg/L	25.0		95.6	70-130			

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B338908 - SW-846 3510C**
**Blank (B338908-BLK1)**

Prepared: 05/02/23 Analyzed: 05/03/23

Atrazine	ND	20	µg/L							
Benzaldehyde	ND	10	µg/L							
Biphenyl	ND	20	µg/L							
Caprolactam	ND	10	µg/L							L-04
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acetophenone	ND	10	µg/L							
Anthracene	ND	5.0	µg/L							
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							R-05
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338908 - SW-846 3510C</b>										
<b>Blank (B338908-BLK1)</b>										
Prepared: 05/02/23 Analyzed: 05/03/23										
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachlorophenol	ND	10	µg/L							
Phenanthrene	ND	5.0	µg/L							
Phenol	ND	10	µg/L							
Pyrene	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	91.4		µg/L	200		45.7	15-110			
Surrogate: Phenol-d6	64.9		µg/L	200		32.4	15-110			
Surrogate: Nitrobenzene-d5	64.3		µg/L	100		64.3	30-130			
Surrogate: 2-Fluorobiphenyl	65.8		µg/L	100		65.8	30-130			
Surrogate: 2,4,6-Tribromophenol	158		µg/L	200		79.0	15-110			
Surrogate: p-Terphenyl-d14	80.4		µg/L	100		80.4	30-130			
<b>LCS (B338908-BS1)</b>										
Prepared: 05/02/23 Analyzed: 05/03/23										
Atrazine	36.8	20	µg/L	50.0		73.7	40-140			
Benzaldehyde	26.9	10	µg/L	50.0		53.7	40-140			
Biphenyl	32.0	20	µg/L	50.0		64.0	40-140			
<b>Caprolactam</b>	11.6	10	µg/L	50.0		<b>23.2</b> *	40-140			L-04
Acenaphthene	32.2	5.0	µg/L	50.0		64.3	40-140			
Acenaphthylene	32.6	5.0	µg/L	50.0		65.1	40-140			
Acetophenone	31.3	10	µg/L	50.0		62.6	40-140			
Anthracene	35.6	5.0	µg/L	50.0		71.1	40-140			
Benzo(a)anthracene	35.1	5.0	µg/L	50.0		70.2	40-140			
Benzo(a)pyrene	33.3	5.0	µg/L	50.0		66.7	40-140			
Benzo(b)fluoranthene	34.6	5.0	µg/L	50.0		69.1	40-140			
Benzo(g,h,i)perylene	35.2	5.0	µg/L	50.0		70.4	40-140			
Benzo(k)fluoranthene	35.9	5.0	µg/L	50.0		71.8	40-140			
Bis(2-chloroethoxy)methane	32.6	10	µg/L	50.0		65.2	40-140			
Bis(2-chloroethyl)ether	31.4	10	µg/L	50.0		62.8	40-140			
Bis(2-chloroisopropyl)ether	35.6	10	µg/L	50.0		71.1	40-140			
Bis(2-Ethylhexyl)phthalate	35.2	10	µg/L	50.0		70.4	40-140			
4-Bromophenylphenylether	34.5	10	µg/L	50.0		69.1	40-140			
Butylbenzylphthalate	36.8	10	µg/L	50.0		73.7	40-140			
Carbazole	34.2	10	µg/L	50.0		68.4	40-140			
4-Chloroaniline	27.0	10	µg/L	50.0		54.0	40-140			R-05
4-Chloro-3-methylphenol	31.6	10	µg/L	50.0		63.3	30-130			
2-Chloronaphthalene	25.8	10	µg/L	50.0		51.5	40-140			
2-Chlorophenol	28.5	10	µg/L	50.0		57.0	30-130			
4-Chlorophenylphenylether	33.7	10	µg/L	50.0		67.3	40-140			
Chrysene	33.5	5.0	µg/L	50.0		66.9	40-140			
Dibenz(a,h)anthracene	33.3	5.0	µg/L	50.0		66.6	40-140			
Dibenzofuran	34.1	5.0	µg/L	50.0		68.2	40-140			
Di-n-butylphthalate	35.0	10	µg/L	50.0		70.0	40-140			
3,3-Dichlorobenzidine	37.7	10	µg/L	50.0		75.4	40-140			

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338908 - SW-846 3510C</b>										
<b>LCS (B338908-BS1)</b>										
					Prepared: 05/02/23 Analyzed: 05/03/23					
2,4-Dichlorophenol	29.7	10	µg/L	50.0		59.4	30-130			
Diethylphthalate	34.0	10	µg/L	50.0		67.9	40-140			
2,4-Dimethylphenol	30.8	10	µg/L	50.0		61.7	30-130			
Dimethylphthalate	34.6	10	µg/L	50.0		69.2	40-140			
4,6-Dinitro-2-methylphenol	37.0	10	µg/L	50.0		74.0	30-130			
2,4-Dinitrophenol	29.1	10	µg/L	50.0		58.2	30-130			
2,4-Dinitrotoluene	33.7	10	µg/L	50.0		67.4	40-140			
2,6-Dinitrotoluene	35.4	10	µg/L	50.0		70.8	40-140			
Di-n-octylphthalate	33.3	10	µg/L	50.0		66.6	40-140			
Fluoranthene	33.9	5.0	µg/L	50.0		67.7	40-140			
Fluorene	33.3	5.0	µg/L	50.0		66.7	40-140			
Hexachlorobenzene	35.2	10	µg/L	50.0		70.5	40-140			
Hexachlorobutadiene	23.9	10	µg/L	50.0		47.9	40-140			
Hexachlorocyclopentadiene	28.2	10	µg/L	50.0		56.5	30-140			†
Hexachloroethane	22.9	10	µg/L	50.0		45.8	40-140			
Indeno(1,2,3-cd)pyrene	33.8	5.0	µg/L	50.0		67.6	40-140			
Isophorone	34.4	10	µg/L	50.0		68.8	40-140			
2-Methylnaphthalene	30.6	5.0	µg/L	50.0		61.2	40-140			
2-Methylphenol	30.0	10	µg/L	50.0		60.1	30-130			
3/4-Methylphenol	29.5	10	µg/L	50.0		58.9	30-130			
Naphthalene	28.1	5.0	µg/L	50.0		56.2	40-140			
2-Nitroaniline	33.7	10	µg/L	50.0		67.4	40-140			
3-Nitroaniline	32.6	10	µg/L	50.0		65.1	40-140			
4-Nitroaniline	33.9	10	µg/L	50.0		67.9	40-140			
Nitrobenzene	29.2	10	µg/L	50.0		58.5	40-140			
2-Nitrophenol	29.4	10	µg/L	50.0		58.7	30-130			
4-Nitrophenol	17.6	10	µg/L	50.0		35.1	10-130			†
N-Nitrosodiphenylamine/Diphenylamine	36.8	10	µg/L	50.0		73.5	40-140			
N-Nitrosodi-n-propylamine	32.4	10	µg/L	50.0		64.8	40-140			
Pentachlorophenol	29.5	10	µg/L	50.0		59.0	30-130			
Phenanthrene	35.1	5.0	µg/L	50.0		70.2	40-140			
Phenol	14.4	10	µg/L	50.0		28.8	20-130			†
Pyrene	39.0	5.0	µg/L	50.0		78.0	40-140			
1,2,4,5-Tetrachlorobenzene	29.8	10	µg/L	50.0		59.7	40-140			
2,4,5-Trichlorophenol	35.6	10	µg/L	50.0		71.1	30-130			
2,4,6-Trichlorophenol	31.0	10	µg/L	50.0		62.0	30-130			
Surrogate: 2-Fluorophenol	94.0		µg/L	200		47.0	15-110			
Surrogate: Phenol-d6	63.8		µg/L	200		31.9	15-110			
Surrogate: Nitrobenzene-d5	64.5		µg/L	100		64.5	30-130			
Surrogate: 2-Fluorobiphenyl	68.7		µg/L	100		68.7	30-130			
Surrogate: 2,4,6-Tribromophenol	157		µg/L	200		78.5	15-110			
Surrogate: p-Terphenyl-d14	84.5		µg/L	100		84.5	30-130			

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B338908 - SW-846 3510C**
**LCS Dup (B338908-BSD1)**

Prepared: 05/02/23 Analyzed: 05/03/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Atrazine	38.9	20	µg/L	50.0		77.8	40-140	5.49	20	
Benzaldehyde	29.1	10	µg/L	50.0		58.2	40-140	8.01	20	
Biphenyl	32.8	20	µg/L	50.0		65.6	40-140	2.44	20	
<b>Caprolactam</b>	12.7	10	µg/L	50.0		<b>25.3</b>	* 40-140	8.82	20	L-04
Acenaphthene	32.6	5.0	µg/L	50.0		65.1	40-140	1.24	20	
Acenaphthylene	33.3	5.0	µg/L	50.0		66.6	40-140	2.19	20	
Acetophenone	33.4	10	µg/L	50.0		66.7	40-140	6.40	20	
Anthracene	35.7	5.0	µg/L	50.0		71.4	40-140	0.393	20	
Benzo(a)anthracene	35.0	5.0	µg/L	50.0		70.1	40-140	0.0856	20	
Benzo(a)pyrene	33.8	5.0	µg/L	50.0		67.6	40-140	1.43	20	
Benzo(b)fluoranthene	35.3	5.0	µg/L	50.0		70.6	40-140	2.12	20	
Benzo(g,h,i)perylene	34.4	5.0	µg/L	50.0		68.9	40-140	2.27	20	
Benzo(k)fluoranthene	36.2	5.0	µg/L	50.0		72.3	40-140	0.694	20	
Bis(2-chloroethoxy)methane	33.4	10	µg/L	50.0		66.7	40-140	2.37	20	
Bis(2-chloroethyl)ether	33.6	10	µg/L	50.0		67.3	40-140	6.89	20	
Bis(2-chloroisopropyl)ether	38.8	10	µg/L	50.0		77.6	40-140	8.69	20	
Bis(2-Ethylhexyl)phthalate	34.2	10	µg/L	50.0		68.4	40-140	2.94	20	
4-Bromophenylphenylether	32.8	10	µg/L	50.0		65.6	40-140	5.23	20	
Butylbenzylphthalate	36.1	10	µg/L	50.0		72.2	40-140	1.97	20	
Carbazole	35.4	10	µg/L	50.0		70.8	40-140	3.48	20	
4-Chloroaniline	35.1	10	µg/L	50.0		70.2	40-140	<b>26.1</b>	* 20	R-05
4-Chloro-3-methylphenol	32.3	10	µg/L	50.0		64.6	30-130	2.00	20	
2-Chloronaphthalene	26.9	10	µg/L	50.0		53.9	40-140	4.52	20	
2-Chlorophenol	29.8	10	µg/L	50.0		59.6	30-130	4.36	20	
4-Chlorophenylphenylether	33.6	10	µg/L	50.0		67.2	40-140	0.238	20	
Chrysene	33.7	5.0	µg/L	50.0		67.3	40-140	0.596	20	
Dibenz(a,h)anthracene	32.7	5.0	µg/L	50.0		65.3	40-140	1.85	20	
Dibenzofuran	34.7	5.0	µg/L	50.0		69.3	40-140	1.69	20	
Di-n-butylphthalate	34.9	10	µg/L	50.0		69.7	40-140	0.401	20	
3,3-Dichlorobenzidine	41.8	10	µg/L	50.0		83.7	40-140	10.4	20	
2,4-Dichlorophenol	30.5	10	µg/L	50.0		60.9	30-130	2.46	20	
Diethylphthalate	34.6	10	µg/L	50.0		69.1	40-140	1.78	20	
2,4-Dimethylphenol	31.4	10	µg/L	50.0		62.8	30-130	1.83	20	
Dimethylphthalate	35.1	10	µg/L	50.0		70.3	40-140	1.55	50	‡
4,6-Dinitro-2-methylphenol	35.7	10	µg/L	50.0		71.3	30-130	3.63	50	‡
2,4-Dinitrophenol	30.4	10	µg/L	50.0		60.7	30-130	4.17	50	‡
2,4-Dinitrotoluene	34.8	10	µg/L	50.0		69.7	40-140	3.27	20	
2,6-Dinitrotoluene	36.7	10	µg/L	50.0		73.3	40-140	3.55	20	
Di-n-octylphthalate	32.5	10	µg/L	50.0		65.0	40-140	2.49	20	
Fluoranthene	35.1	5.0	µg/L	50.0		70.2	40-140	3.65	20	
Fluorene	34.3	5.0	µg/L	50.0		68.6	40-140	2.93	20	
Hexachlorobenzene	34.1	10	µg/L	50.0		68.2	40-140	3.26	20	
Hexachlorobutadiene	25.5	10	µg/L	50.0		51.0	40-140	6.31	20	
Hexachlorocyclopentadiene	29.4	10	µg/L	50.0		58.7	30-140	3.92	50	† ‡
Hexachloroethane	25.5	10	µg/L	50.0		51.0	40-140	10.7	50	‡
Indeno(1,2,3-cd)pyrene	33.5	5.0	µg/L	50.0		67.0	40-140	0.921	50	‡
Isophorone	36.5	10	µg/L	50.0		73.0	40-140	5.81	20	
2-Methylnaphthalene	31.5	5.0	µg/L	50.0		63.1	40-140	3.09	20	
2-Methylphenol	33.0	10	µg/L	50.0		65.9	30-130	9.27	20	
3/4-Methylphenol	31.0	10	µg/L	50.0		61.9	30-130	4.96	20	
Naphthalene	29.9	5.0	µg/L	50.0		59.7	40-140	6.11	20	
2-Nitroaniline	36.0	10	µg/L	50.0		72.1	40-140	6.68	20	

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**QUALITY CONTROL**
**Semivolatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338908 - SW-846 3510C</b>										
<b>LCS Dup (B338908-BSD1)</b>										
					Prepared: 05/02/23 Analyzed: 05/03/23					
3-Nitroaniline	37.2	10	µg/L	50.0		74.4	40-140	13.3	20	
4-Nitroaniline	38.1	10	µg/L	50.0		76.2	40-140	11.6	20	
Nitrobenzene	31.6	10	µg/L	50.0		63.3	40-140	7.85	20	
2-Nitrophenol	30.6	10	µg/L	50.0		61.2	30-130	4.24	20	
4-Nitrophenol	20.0	10	µg/L	50.0		40.0	10-130	13.1	50	† ‡
N-Nitrosodiphenylamine/Diphenylamine	36.1	10	µg/L	50.0		72.2	40-140	1.81	20	
N-Nitrosodi-n-propylamine	35.1	10	µg/L	50.0		70.2	40-140	7.97	20	
Pentachlorophenol	29.0	10	µg/L	50.0		58.1	30-130	1.57	50	‡
Phenanthrene	35.0	5.0	µg/L	50.0		70.0	40-140	0.200	20	
Phenol	15.4	10	µg/L	50.0		30.8	20-130	6.78	20	†
Pyrene	37.7	5.0	µg/L	50.0		75.4	40-140	3.29	20	
1,2,4,5-Tetrachlorobenzene	30.3	10	µg/L	50.0		60.6	40-140	1.46	20	
2,4,5-Trichlorophenol	35.1	10	µg/L	50.0		70.2	30-130	1.33	20	
2,4,6-Trichlorophenol	31.6	10	µg/L	50.0		63.1	30-130	1.85	50	‡
Surrogate: 2-Fluorophenol	95.8		µg/L	200		47.9	15-110			
Surrogate: Phenol-d6	67.0		µg/L	200		33.5	15-110			
Surrogate: Nitrobenzene-d5	67.6		µg/L	100		67.6	30-130			
Surrogate: 2-Fluorobiphenyl	69.2		µg/L	100		69.2	30-130			
Surrogate: 2,4,6-Tribromophenol	157		µg/L	200		78.5	15-110			
Surrogate: p-Terphenyl-d14	80.0		µg/L	100		80.0	30-130			

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**QUALITY CONTROL**
**Polychlorinated Biphenyls By GC/ECD - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338778 - SW-846 3510C</b>										
<b>Blank (B338778-BLK1)</b>										
Prepared & Analyzed: 05/01/23										
Aroclor-1016	ND	0.040	µg/L							
Aroclor-1016 [2C]	ND	0.040	µg/L							
Aroclor-1221	ND	0.040	µg/L							
Aroclor-1221 [2C]	ND	0.040	µg/L							
Aroclor-1232	ND	0.040	µg/L							
Aroclor-1232 [2C]	ND	0.040	µg/L							
Aroclor-1242	ND	0.040	µg/L							
Aroclor-1242 [2C]	ND	0.040	µg/L							
Aroclor-1248	ND	0.040	µg/L							
Aroclor-1248 [2C]	ND	0.040	µg/L							
Aroclor-1254	ND	0.040	µg/L							
Aroclor-1254 [2C]	ND	0.040	µg/L							
Aroclor-1260	ND	0.040	µg/L							
Aroclor-1260 [2C]	ND	0.040	µg/L							
Aroclor-1262	ND	0.040	µg/L							
Aroclor-1262 [2C]	ND	0.040	µg/L							
Aroclor-1268	ND	0.040	µg/L							
Aroclor-1268 [2C]	ND	0.040	µg/L							
Surrogate: Decachlorobiphenyl	0.351		µg/L	0.400		87.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.311		µg/L	0.400		77.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.285		µg/L	0.400		71.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.257		µg/L	0.400		64.3	30-150			
<b>LCS (B338778-BS1)</b>										
Prepared & Analyzed: 05/01/23										
Aroclor-1016	0.53	0.20	µg/L	0.500		105	40-140			
Aroclor-1016 [2C]	0.47	0.20	µg/L	0.500		93.8	40-140			
Aroclor-1260	0.53	0.20	µg/L	0.500		106	40-140			
Aroclor-1260 [2C]	0.42	0.20	µg/L	0.500		84.2	40-140			
Surrogate: Decachlorobiphenyl	2.02		µg/L	2.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.81		µg/L	2.00		90.5	30-150			
Surrogate: Tetrachloro-m-xylene	1.55		µg/L	2.00		77.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.40		µg/L	2.00		70.1	30-150			
<b>LCS Dup (B338778-BSD1)</b>										
Prepared & Analyzed: 05/01/23										
Aroclor-1016	0.50	0.20	µg/L	0.500		99.6	40-140	5.30	20	
Aroclor-1016 [2C]	0.45	0.20	µg/L	0.500		90.0	40-140	4.22	20	
Aroclor-1260	0.53	0.20	µg/L	0.500		106	40-140	0.267	20	
Aroclor-1260 [2C]	0.40	0.20	µg/L	0.500		80.1	40-140	4.95	20	
Surrogate: Decachlorobiphenyl	1.95		µg/L	2.00		97.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.79		µg/L	2.00		89.7	30-150			
Surrogate: Tetrachloro-m-xylene	1.52		µg/L	2.00		75.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.40		µg/L	2.00		69.8	30-150			



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**QUALITY CONTROL**
**Polychlorinated Biphenyls By GC/ECD - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338910 - SW-846 3510C</b>										
<b>Blank (B338910-BLK1)</b>										
Prepared: 05/02/23 Analyzed: 05/03/23										
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	1.20		µg/L	2.00		59.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.11		µg/L	2.00		55.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.40		µg/L	2.00		69.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.31		µg/L	2.00		65.3	30-150			
<b>LCS (B338910-BS1)</b>										
Prepared: 05/02/23 Analyzed: 05/03/23										
Aroclor-1016	0.48	0.20	µg/L	0.500		97.0	40-140			
Aroclor-1016 [2C]	0.48	0.20	µg/L	0.500		95.5	40-140			
Aroclor-1260	0.47	0.20	µg/L	0.500		93.5	40-140			
Aroclor-1260 [2C]	0.44	0.20	µg/L	0.500		88.0	40-140			
Surrogate: Decachlorobiphenyl	1.92		µg/L	2.00		96.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.75		µg/L	2.00		87.3	30-150			
Surrogate: Tetrachloro-m-xylene	1.53		µg/L	2.00		76.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.43		µg/L	2.00		71.4	30-150			
<b>LCS Dup (B338910-BSD1)</b>										
Prepared: 05/02/23 Analyzed: 05/03/23										
Aroclor-1016	0.47	0.20	µg/L	0.500		94.0	40-140	3.11	20	
Aroclor-1016 [2C]	0.47	0.20	µg/L	0.500		94.2	40-140	1.40	20	
Aroclor-1260	0.44	0.20	µg/L	0.500		88.2	40-140	5.87	20	
Aroclor-1260 [2C]	0.43	0.20	µg/L	0.500		85.7	40-140	2.60	20	
Surrogate: Decachlorobiphenyl	1.90		µg/L	2.00		94.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.72		µg/L	2.00		85.8	30-150			
Surrogate: Tetrachloro-m-xylene	1.57		µg/L	2.00		78.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.46		µg/L	2.00		73.0	30-150			

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**QUALITY CONTROL**
**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338513 - SW-846 7470A Prep</b>										
<b>Blank (B338513-BLK1)</b>				Prepared: 04/27/23 Analyzed: 05/09/23						
Mercury	ND	0.00020	mg/L							
<b>LCS (B338513-BS1)</b>				Prepared: 04/27/23 Analyzed: 05/09/23						
Mercury	0.00458	0.00020	mg/L	0.00402		114	80-120			
<b>LCS Dup (B338513-BSD1)</b>				Prepared: 04/27/23 Analyzed: 05/09/23						
Mercury	0.00444	0.00020	mg/L	0.00402		110	80-120	3.25	20	
<b>Duplicate (B338513-DUP1)</b>				<b>Source: 23D3155-03</b>			Prepared: 04/27/23 Analyzed: 05/09/23			
Mercury	ND	0.00020	mg/L		ND			NC	20	
<b>Matrix Spike (B338513-MS1)</b>				<b>Source: 23D3155-03</b>			Prepared: 04/27/23 Analyzed: 05/09/23			
Mercury	0.00448	0.00020	mg/L	0.00402	ND	111	75-125			
<b>Batch B338521 - SW-846 3005A</b>										
<b>Blank (B338521-BLK1)</b>				Prepared: 04/27/23 Analyzed: 05/02/23						
Aluminum	ND	0.050	mg/L							
Antimony	ND	0.050	mg/L							
Arsenic	ND	0.010	mg/L							
Barium	ND	0.050	mg/L							
Beryllium	ND	0.0040	mg/L							
Cadmium	ND	0.0040	mg/L							
Calcium	ND	0.50	mg/L							
Chromium	ND	0.010	mg/L							
Cobalt	ND	0.010	mg/L							
Copper	ND	0.010	mg/L							
Iron	ND	0.050	mg/L							
Lead	ND	0.010	mg/L							
Magnesium	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Potassium	ND	2.0	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.010	mg/L							
Sodium	ND	2.0	mg/L							
Thallium	ND	0.050	mg/L							
Vanadium	ND	0.010	mg/L							
<b>Blank (B338521-BLK2)</b>				Prepared: 04/27/23 Analyzed: 05/04/23						
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							

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**QUALITY CONTROL**
**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B338521 - SW-846 3005A</b>										
<b>LCS (B338521-BS1)</b>										
					Prepared: 04/27/23 Analyzed: 05/02/23					
Aluminum	0.525	0.050	mg/L	0.500		105	45.3-154.7			
Antimony	0.502	0.050	mg/L	0.500		100	80-120			
Arsenic	0.494	0.010	mg/L	0.500		98.7	80-120			
Barium	0.531	0.050	mg/L	0.500		106	80-120			
Beryllium	0.526	0.0040	mg/L	0.500		105	80-120			
Cadmium	0.530	0.0040	mg/L	0.500		106	80-120			
Calcium	3.93	0.50	mg/L	4.00		98.2	80-120			
Chromium	0.508	0.010	mg/L	0.500		102	80-120			
Cobalt	0.521	0.010	mg/L	0.500		104	80-120			
Copper	0.996	0.010	mg/L	1.00		99.6	80-120			
Iron	4.00	0.050	mg/L	4.00		99.9	80-120			
Lead	0.530	0.010	mg/L	0.500		106	80-120			
Magnesium	3.84	0.050	mg/L	4.00		96.0	80-120			
Manganese	0.503	0.010	mg/L	0.500		101	80-120			
Nickel	0.514	0.010	mg/L	0.500		103	80-120			
Potassium	4.20	2.0	mg/L	4.00		105	80-120			
Selenium	0.525	0.050	mg/L	0.500		105	80-120			
Silver	0.555	0.010	mg/L	0.500		111	80-120			
Sodium	4.19	2.0	mg/L	4.00		105	80-120			
Thallium	0.497	0.050	mg/L	0.500		99.4	80-120			
Vanadium	0.515	0.010	mg/L	0.500		103	80-120			
<b>LCS (B338521-BS2)</b>										
					Prepared: 04/27/23 Analyzed: 05/04/23					
Iron	4.20	0.050	mg/L	4.00		105	80-120			
Zinc	1.05	0.010	mg/L	1.00		105	80-120			
<b>LCS Dup (B338521-BSD1)</b>										
					Prepared: 04/27/23 Analyzed: 05/02/23					
Aluminum	0.525	0.050	mg/L	0.500		105	45.3-154.7	0.0242	30	
Antimony	0.494	0.050	mg/L	0.500		98.7	80-120	1.63	20	
Arsenic	0.487	0.010	mg/L	0.500		97.3	80-120	1.39	20	
Barium	0.528	0.050	mg/L	0.500		106	80-120	0.574	20	
Beryllium	0.525	0.0040	mg/L	0.500		105	80-120	0.213	20	
Cadmium	0.528	0.0040	mg/L	0.500		106	80-120	0.377	20	
Calcium	3.94	0.50	mg/L	4.00		98.5	80-120	0.327	20	
Chromium	0.514	0.010	mg/L	0.500		103	80-120	1.20	20	
Cobalt	0.520	0.010	mg/L	0.500		104	80-120	0.118	20	
Copper	1.09	0.010	mg/L	1.00		109	80-120	8.95	20	
Iron	4.03	0.050	mg/L	4.00		101	80-120	0.701	20	
Lead	0.521	0.010	mg/L	0.500		104	80-120	1.54	20	
Magnesium	3.86	0.050	mg/L	4.00		96.5	80-120	0.608	20	
Manganese	0.507	0.010	mg/L	0.500		101	80-120	0.714	20	
Nickel	0.520	0.010	mg/L	0.500		104	80-120	1.23	30	
Potassium	4.24	2.0	mg/L	4.00		106	80-120	0.968	20	
Selenium	0.513	0.050	mg/L	0.500		103	80-120	2.37	20	
Silver	0.555	0.010	mg/L	0.500		111	80-120	0.0896	20	
Sodium	4.18	2.0	mg/L	4.00		105	80-120	0.259	20	
Thallium	0.498	0.050	mg/L	0.500		99.6	80-120	0.278	20	
Vanadium	0.514	0.010	mg/L	0.500		103	80-120	0.248	20	

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**QUALITY CONTROL**
**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B338521 - SW-846 3005A**
**LCS Dup (B338521-BSD2)**

Prepared: 04/27/23 Analyzed: 05/04/23

Iron	4.14	0.050	mg/L	4.00		103	80-120	1.50	20	
Zinc	1.02	0.010	mg/L	1.00		102	80-120	3.33	20	

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## IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

*SW-846 8082A*

 Lab Sample ID:           B338778-BS1                                Date(s) Analyzed:           05/01/2023                     05/01/2023          

 Instrument ID (1):           ECD1                                                Instrument ID (2):           ECD1          

GC Column (1):                                      ID:                                      (mm)                      GC Column (2):                                      ID:                                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.47	12.0
Aroclor-1260	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.42	23.2

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**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS Dup</b>
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*SW-846 8082A*

Lab Sample ID: B338778-BSD1 Date(s) Analyzed: 05/01/2023 05/01/2023

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.50	
	2	0.000	0.000	0.000	0.45	10.5
Aroclor-1260	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.40	28.0

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## IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

**LCS**

*SW-846 8082A*

 Lab Sample ID:                   B338910-BS1                                        Date(s) Analyzed:           05/03/2023                     05/03/2023          

 Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.48	
	2	0.000	0.000	0.000	0.48	2.1
Aroclor-1260	1	0.000	0.000	0.000	0.47	
	2	0.000	0.000	0.000	0.44	6.6



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                     B338910-BSD1                          Date(s) Analyzed:           05/03/2023                     05/03/2023            
 Instrument ID (1):                     ECD1                          Instrument ID (2):                     ECD1                      
 GC Column (1):                                      ID:                                      (mm)      GC Column (2):                                      ID:                                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.47	
	2	0.000	0.000	0.000	0.47	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.44	
	2	0.000	0.000	0.000	0.43	2.3



---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
PR-07	pH of sample (pH 4) is outside of method specified preservation criteria.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-12	Elevated reporting limit due to matrix interference.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

**CERTIFICATIONS**
**Certified Analyses included in this Report**

Analyte	Certifications
<b><i>SW-846 6010D in Water</i></b>	
Aluminum	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,RI,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Magnesium	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Sodium	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
<b><i>SW-846 7470A in Water</i></b>	
Mercury	CT,NH,NY,NC,ME,VA
<b><i>SW-846 8082A in Water</i></b>	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA
<b><i>SW-846 8260D in Soil</i></b>	
Acetone	CT,NH,NY,ME,VA
Benzene	CT,NH,NY,ME,VA

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**CERTIFICATIONS**
**Certified Analyses included in this Report**

<b>Analyte</b>	<b>Certifications</b>
<i>SW-846 8260D in Soil</i>	
Bromochloromethane	NH,NY,ME,VA
Bromodichloromethane	CT,NH,NY,ME,VA
Bromoform	CT,NH,NY,ME,VA
Bromomethane	CT,NH,NY,ME,VA
2-Butanone (MEK)	CT,NH,NY,ME,VA
Carbon Disulfide	CT,NH,NY,ME,VA
Carbon Tetrachloride	CT,NH,NY,ME,VA
Chlorobenzene	CT,NH,NY,ME,VA
Chlorodibromomethane	CT,NH,NY,ME,VA
Chloroethane	CT,NH,NY,ME,VA
Chloroform	CT,NH,NY,ME,VA
Chloromethane	CT,NH,NY,ME,VA
Cyclohexane	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY,ME
1,2-Dibromoethane (EDB)	NH,NY
1,2-Dichlorobenzene	CT,NH,NY,ME,VA
1,3-Dichlorobenzene	CT,NH,NY,ME,VA
1,4-Dichlorobenzene	CT,NH,NY,ME,VA
Dichlorodifluoromethane (Freon 12)	NH,NY,ME,VA
1,1-Dichloroethane	CT,NH,NY,ME,VA
1,2-Dichloroethane	CT,NH,NY,ME,VA
1,1-Dichloroethylene	CT,NH,NY,ME,VA
cis-1,2-Dichloroethylene	CT,NH,NY,ME,VA
trans-1,2-Dichloroethylene	CT,NH,NY,ME,VA
1,2-Dichloropropane	CT,NH,NY,ME,VA
cis-1,3-Dichloropropene	CT,NH,NY,ME,VA
trans-1,3-Dichloropropene	CT,NH,NY,ME,VA
1,4-Dioxane	NY,ME
Ethylbenzene	CT,NH,NY,ME,VA
Hexachlorobutadiene	NH,NY,ME,VA
2-Hexanone (MBK)	CT,NH,NY,ME,VA
Isopropylbenzene (Cumene)	CT,NH,NY,ME,VA
Methyl Acetate	NY,ME
Methyl tert-Butyl Ether (MTBE)	NY,ME,VA
Methyl Cyclohexane	NY
Methylene Chloride	CT,NH,NY,ME,VA
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME,VA
Naphthalene	NH,NY,ME,VA
Styrene	CT,NH,NY,ME,VA
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME,VA
Tetrachloroethylene	CT,NH,NY,ME,VA
Toluene	CT,NH,NY,ME,VA
1,2,3-Trichlorobenzene	NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME,VA
1,1,1-Trichloroethane	CT,NH,NY,ME,VA
1,1,2-Trichloroethane	CT,NH,NY,ME,VA
Trichloroethylene	CT,NH,NY,ME,VA

**CERTIFICATIONS**
**Certified Analyses included in this Report**

Analyte	Certifications
<b><i>SW-846 8260D in Soil</i></b>	
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME,VA
Vinyl Chloride	CT,NH,NY,ME,VA
Xylenes (total)	NH,NY,ME
<b><i>SW-846 8260D in Water</i></b>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY

**CERTIFICATIONS**
**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 8260D in Water</b>	
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY
<b>SW-846 8270E in Water</b>	
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-chloroisopropyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,3-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,NC,ME,NH,VA
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA

**CERTIFICATIONS**
**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8270E in Water</i>	
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023

**Contact:** https://www.pacelabs.com/contact-us/contact-environmental-sciences/ NYSEDC  
**Company Name:** NYSEDC  
**Address:** 625 Broadway, 12th Floor, Albany, NY 12233  
**Phone:** 518-402-2754  
**Project Name:** Rock CBD Landfill  
**Project Location:** Milton, NY  
**Project Number:** DEC #546061  
**Project Manager:** Anthony Bollasina  
**Pace Analytical Quote Name/Number:** Callout ID: 147267  
**Invoice Recipient:** NYSEDC  
**Sampled By:** AJB/MS/PP/BOB/JA/KG/SJ

Client Sample ID / Description	DATE	TIME	Composite	Grab	Matrix Code	Conc Code
1 SW-01A-20230425	4/25/2023	9:50 AM		X	SW	
2 SW-02A-20230425	4/25/2023	1430		X	SW	
3 SW-03A-20230425	4/25/2023	1530		X	SW	
4 SW-04A-20230425	4/25/2023	1530		X	SW	
5 SW-05-20230425	4/25/2023	1600		X	SW	
6 SW-06-20230425	4/25/2023	1445		X	SW	
7 SW-07-20230425	4/25/2023	2:45 PM		X	SW	
8 SW-08-20230425	4/25/2023	1530		X	SW	
9 SW-09-20230425	4/25/2023	1500		X	SW	
10 SW-10-20230425	4/25/2023	1600		X	SW	

**Comments:**

One VOA vial broke

**Retinquired by:** (signature) Date/Time: 4-26-23 0931

**Received by:** (signature) Date/Time: 4-26-23 931

**Relinquished by:** (signature) Date/Time: 4-26-23 1430

**Relinquished by:** (signature) Date/Time: 4-26-23 1722

**Relinquished by:** (signature) Date/Time: 4-26-23 1530

**Relinquished by:** (signature) Date/Time: 4/26/23 1530

3.0, 4.5, 3.2, 2.5, 2.9, 3.4, 3.8, 4.3, 3.6 4/24/23 1745

**Program & Regulatory Information:**

- AWQ STDS
- NYC Sewer Discharge Part 360 GW (Landfill)
- NY Restricted Use
- NY Unrestricted Use
- NY Part 375

**Deliverables:**

- Enhanced Data Package
- NYSDEC EDD
- EQUS (Standard) EDD
- NY Regulatory EDD
- NY Regs Hits-Only EDD

**Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)  
 SW = surface water

**Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY:**  
 Soxhlet  
 Non Soxhlet



Phone: 612-607-6400  
 Fax: 612-607-6344

2303155

Contact: <https://www.pacelabs.com/contact-us/contact-environmental-sciences/>  
 NYSDEC

Company Name: NYSDEC  
 Address: 625 Broadway, 12th Floor, Albany, NY 12233  
 Phone: 518-402-2754  
 Project Name: Rock CBD Landfill  
 Project Location: Milton, NY  
 Project Number: DEC #546061  
 Project Manager: Anthony Bollasina  
 Pace Analytical Quote Name/Number: Callout ID: 147267  
 Invoice Recipient: NYSDEC  
 Sampled By: AJB/MS/PP/BOB/JA/KG/SJ

Doc # 380 Rev 1\_03242017

CHAIN OF CUSTODY RECORD (New York)  
 1800 Elm Street SE  
 Minneapolis, MN 55414

Page 6 of 6

Requested Turnaround Time:  7-Day  10-Day  15-Day

Due Date: \_\_\_\_\_

Rush-Approval Required:  1-Day  3-Day  2-Day  4-Day

Data Delivery:  PDF  EXCEL

Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: anthony.bollasina@dec.ny.gov

Fax To #: \_\_\_\_\_

Pace Analytical Work Order #	Client Sample ID / Description	DATE	TIME	Composite	Grab	Matrix Code	Conc Code
11	SW-11-20230425	4/25/2023	1620		X	SW	2
12	SW-13-20230425	4/25/2023	2:00 PM		X	SW	2
13	SW-DUP-20230425	4/25/2023	...		X	SW	2
14	TripBlank	4/25/2023			X		x

**ANALYSIS REQUESTED**

TCL VOCs (8260B)	3	2	1	2
TCL SVOCs (82705M)	3	2	1	2
TAL Metals (6010D) plus Hg (7470)	3	2	1	2
PCBs (808Z)				

**1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)  
 SW = surface water SW-I

**2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Program & Regulatory Information**

AWQ STDS

NY TOGS

NY Sewer Discharge Part 360 GW (Landfill)

NY Restricted Use

NY Unrestricted Use

NY Part 375

Other: \_\_\_\_\_

**Deliverables**

Enhanced Data Package

NYSDEC EQUS EDD

EQUS (Standard) EDD

NY Regulatory EDD

NY Regs Hits-Only EDD

Other: \_\_\_\_\_

**Project Entity**

Government  Municipality  City

Federal  21 J

City  Brownfield

MWRA  School  MBTA

WRTA

Chromatogram

AIHA-LAP, LLC

Date/Time: 4-26-23 0937  
 Date/Time: 4-26-23 931  
 Date/Time: 4-26-23 1430  
 Date/Time: 4-26-23 1730  
 Date/Time: 4-26-23 1530  
 Date/Time: 4/26/23 1530  
 Date/Time: 4/26/23 1745



East Longmeadow, MA. 01028  
 P: 413-525-2332  
 F: 413-525-6405  
 www.pacelabs.com

# Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False



Client NYDEC  
 Project Rock C&D Landfill  
 MCP/RCP Required No  
 Deliverable Package Req. No  
 Location Milton, NY  
 PWSID# (When Applicable) NA  
 Arrival Method:  
 Courier  Fed Ex  Walk In  Other   
 Received By / Date / Time DWW 4/26/23 1745  
 Back-Sheet By / Date / Time SK 4/26/23 2125  
 Temperature Method gun # 5  
 Temp  < 6° C Actual Temperature 3.0, 1.5, 3.2, 2.5, 2.9  
 Rush Samples: Yes /  No Notify 3.4, 3.8, 4.3, 3.6  
 Short Hold:  Yes / No Notify Janet M

	True	False
Received on Ice	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Received in Cooler	<input type="checkbox"/>	<input type="checkbox"/>
Custody Seal: DATE TIME	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Relinquished	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC/Samples Labels Agree	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Samples in Good Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Samples Received within Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there enough Volume	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proper Media/Container Used	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Splitting Samples Required	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MS/MSD	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Trip Blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lab to Filters	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Legible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC Included: (Check all included)		
Client <input checked="" type="checkbox"/>	Analysis <input checked="" type="checkbox"/>	Sampler Name <input checked="" type="checkbox"/>
Project <input checked="" type="checkbox"/>	IDs <input checked="" type="checkbox"/>	Collection Date/Time <input checked="" type="checkbox"/>
All Samples Proper pH:	N/A <input checked="" type="checkbox"/>	<input type="checkbox"/>

**Notes regarding Samples/COC outside of SOP:**  
Did not receive Trip Blank

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	Na2S2O3	Other Preservative
1L <u>Amber</u> Plastic	<u>52</u>							
500 mL Amber Plastic								
250 mL Amber <u>Plastic</u>			<u>13</u>					
Other Amber Clear Plastic								
16oz Amber Clear								
8oz Amber Clear								
4oz Amber Clear								
2oz Amber Clear								
Col/Bacteria								
Flashpoint								
Plastic Bag								
SOC Kit								
Perchlorate								
Encore								
Frozen								
Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials	<u>T</u>	<u>26</u>						