LANGAN

RIR Addendum

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
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To: Steven Walsh (NYSDEC)

From: Michael D. Burke (Langan)

Info: Gerard Burke (NYSDEC)
Kermit 79, LLC, 7-9-11 Weehawken Street, LLC, and 300 West 10th Street, LLC
Jennifer Armstrong, Albert Tashji, Thomas Schiefer (Langan)

Date: May 11, 2021

Re: RIR Addendum for Supplemental Soil Sampling
173-175 Christopher Street (BCP Site No. C231098)
New York, NY
Langan Project No. 170363501

We have prepared this addendum to the February 19, 2020 Remedial Investigation Report (RIR) on behalf of 173 Christopher Street LLC (the Participant) for supplemental soil sampling at 173-175 Christopher Street in Manhattan, New York (Brownfield Cleanup Program [BCP] Site No. C231098, referenced herein as 'the site'). A Site Location Map is provided as Figure 1. The site contains a three-story building that is bisected by a party wall and contains a partial cellar in the southern half of the building. The cellar slab at 173 Christopher Street is about 7 feet below sidewalk grade, corresponding to elevation (el.) 5, while the cellar slab at 175 Christopher Street is about 8.5 feet below sidewalk grade, corresponding to el. 3.5. Elevations are in feet and referenced to the North American Vertical Datum of 1988 (NAVD88).

On September 15, 2020, the New York State Department of Environmental Conservation (NYSDEC) requested additional soil samples be collected at 15 feet below sidewalk grade (bsg) for analysis of the full Title 6 New York State Codes, Rules and Regulations (6 NYSDEC) Part 375 parameter suite and emerging contaminants. This RIR Addendum provides a description of the field activities, observations, and summary of the analytical results.

SOIL BORING INSTALLATION AND SOIL SAMPLING

On February 27, 2021, AARCO Environmental Services Corp. advanced three soil borings (EB28, EB29, and EB30) to about 15 feet bsg. Boring EB28 was advanced from sidewalk grade to about 15 feet bsg and borings EB29 and EB30 were advanced from cellar grades to about 6.5 feet and 8 feet, respectively, corresponding to about 15 feet bsg. Soil boring locations are shown on Figure 2. Soil samples were collected continuously from grade surface to the final depth of each boring and screened for visual, olfactory, and instrumental evidence of environmental impacts with a photoionization detector (PID). Soil samples were also visually classified for soil type, grain size, texture, and moisture content. Soil boring logs are provided as Attachment 1. Exterior community air monitoring was not performed because of heavy rain.

One soil sample was collected from each of the three borings at about 14-15 feet bsg. Soil samples were collected in accordance with October 6 and 16, 2020 email correspondence with NYSDEC, the Quality Assurance Project Plan (QAPP) appended to the March 30, 2016 Remedial Investigation Work Plan (RIWP), and the NYSDEC January 2021 Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substances (PFAS). Materials potentially containing PFAS were not used or worn during sampling.

Soil samples were collected into laboratory-supplied sample containers, placed in laboratory-supplied coolers, and submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory. Soil samples were analyzed for the Part 375 list of volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, herbicides, polychlorinated biphenyls (PCBs), and inorganics/metals (including hexavalent and trivalent chromium). Samples were also analyzed for the emerging contaminants PFAS, using United States Environmental Protection Agency (USEPA) method 537, and 1,4-dioxane, using USEPA Method 8270 with selected ion monitoring (SIM). Laboratory results were reported in accordance with the NYSDEC Analytical Services Protocol Category B data deliverable format and validated

SOIL SAMPLE ANALYTICAL RESULTS

Petroleum-like impacts, as identified by odors, staining, and PID measurements were not observed during sampling. Soil below the concrete slab-on-grade and cellars generally included a layer of fill (1 to 2 feet thick) followed by sand, with varying amounts of silt and gravel. Boring EB30 contained a clay lens from about 2.5 to 4 feet below cellar grade.

Soil sample results were compared to the 6NYCRR Part 375 Unrestricted Use (UU) Soil Cleanup Objectives (SCOs). VOCs, SVOCs (including 1,4-dioxane), pesticides, herbicides, PCBs, and inorganics/metals were either not detected above the reporting limit (RL) or were reported at concentrations below UU SCOs in all soil samples collected. Analytical results with comparison to UU SCOs are included as Table 1. The laboratory analytical report is included in Attachment 2.

Applicable soil standards have not yet been promulgated by the NYSDEC for PFAS and 1,4-dioxane (SVOC), however, guidance values for PFOA and PFOS have been established in the January 2021 NYSDEC PFAS guidelines for Part 375 remedial programs. PFOA and PFOS were not detected above the RL or UU soil guidance values. Analytical results for PFAS with comparison to the NYSDEC UU guidance values are included as Table 2.

Category B laboratory deliverables were provided to Langan's data validator to evaluate the data usability and prepare a Data Usability Summary Report (DUSR) as it relates to the analytical results. The DUSR concludes that all data are considered usable, as qualified. Completeness,

defined as the percentage of analytical results that are judged to be valid, was determined to be 100%. A copy of the DUSR is included as Attachment 3.

CONCLUSIONS AND RECOMMENDATIONS

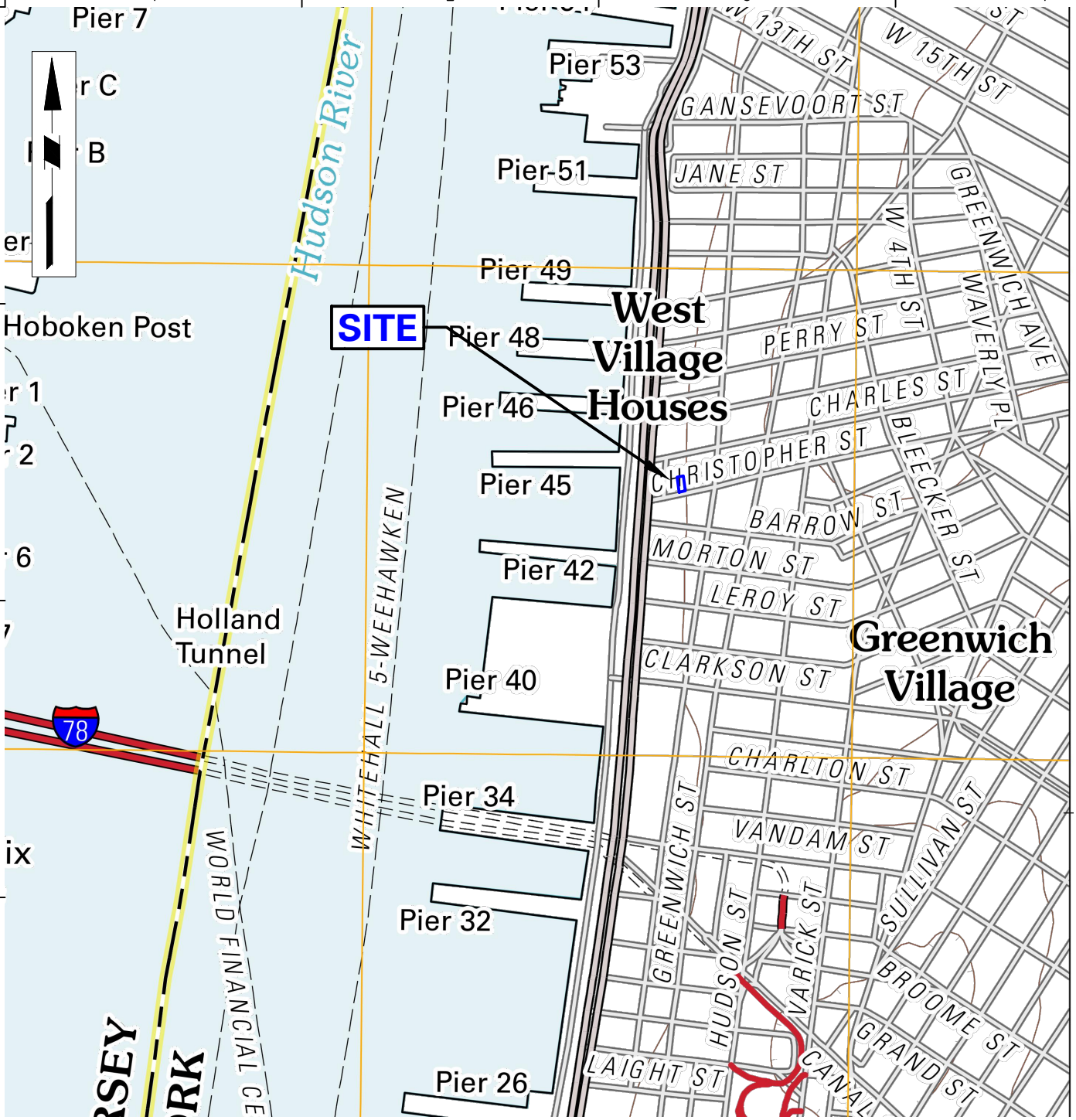
Results of supplemental soil samples did not exceed 6NYCRR Part 375 UU SCOs and PFAS was not detected above the established RL. Results of this sampling effort do not alter the conclusion of the February 19, 2020 RIR.

Enclosures:
Figure 1 – Site Location Map
Figure 2 – Supplemental Remedial Investigation Sample Analytical Results Map

Table 1 – Soil Sample Analytical Results
Table 2 – Soil Sample Analytical Results – PFAS
Table 3 – Quality Assurance/Quality Control Sample Analytical Results

Attachment 1 – Soil Boring Logs
Attachment 2 – Laboratory Analytical Reports
Attachment 3 – Data Usability Summary Report

FIGURES



MAP REFERENCE: USGS 7.5-MINUTE JERSEY CITY, N.J., TOPOGRAPHIC QUADRANGLE, DATED 2016.

LEGEND

APPROXIMATE BROWNFIELD CLEANUP PROGRAM SITE BOUNDARY

1000 0 500 1000

SCALE: 1 INCH = 1000 FEET

LANGAN

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New York, NY 10001

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Project
CHRISTOPHER AND WEEHAWKEN STREETS
173-175 CHRISTOPHER STREET
BLOCK No. 636, LOT No. 34
NEW YORK NEW YORK

Figure Title
SITE LOCATION MAP

Project No.	170363501
Date	03/08/2021
Drawn By	AK
Checked By	TCS

Figure No. 1

Sheet 1 of 2

Filename: \\langan.com\data\NYC\data5\170363501\Office Data\Reports\Environmental\RIR Addendum Letter Report_Support\CAD\Figure 1 - Site Location Map.dwg Date: 3/30/2021 Time: 09:58 User: tschiefer Style Table: Langan.stb Layout: SLM

LEGEND:

- APPROXIMATE BCP SITE BOUNDARY
- APPROXIMATE BASEMENT EXTENTS
- PARTITION WALL
- APPROXIMATE TAX LOT LINES
- EB07 — PREVIOUS SOIL BORING (LANGAN - MAY 2015, FEBRUARY 2020)
- VP03 — PREVIOUS SOIL VAPOR SAMPLE LOCATION (LANGAN - MAY 2015, FEBRUARY 2020)
- EB17/MW17 — PREVIOUS SOIL BORING/MONITORING WELL LOCATION (LANGAN - FEBRUARY 2020)
- AA01 — PREVIOUS AMBIENT AIR SAMPLE LOCATION (LANGAN - FEBRUARY 2020)
- EB29 — SUPPLEMENTAL REMEDIAL INVESTIGATION SOIL BORING LOCATION (LANGAN - FEBRUARY 2021)

NOTES:

1. BASE MAP IS TAKEN FROM AERIAL PHOTOGRAPH, PUBLISHED BY nearmap.com, DATED SEPTEMBER 25, 2020.
2. LOT LINES ARE APPROXIMATED FROM NEW YORK CITY DIGITAL TAX MAPS (http://gis.nyc.gov/taxmap/map.htm).
3. ALL LOCATIONS ARE APPROXIMATE.
4. BCP = BROWNFIELD CLEANUP PROGRAM

30 0 15 30
SCALE IN FEET

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Figure Title
SAMPLE LOCATION MAP

Project No.	170363501
Date	03/12/2021
Drawn By	AGT
Checked By	JA

Figure No. 2
Sheet 2 of 2

Filename: \\langan.com\data\NYC\data5\170363501\Office Data\Reports\Environmental\RIR Addendum Letter Report_Support\CAD\Figure 2 - Sampling Location Map.dwg Date: 6/21/2021 Time: 15:24 User: atashji Style Table: Langan.stb Layout: Figure 2 - Sample LocationPlan

TABLES

Table 1
RIR Addendum for Supplemental Soil Sampling
Soil Sample Analytical Results - Part 375 Parameters

173-175 Christopher Street
New York, New York
NYSDEC BCP Site No.: C231098
Langan Project No.: 170363501

Location		EB28		EB29				EB30	
Sample ID	NYSDEC Part 375	EB28_14-15		EB29_5.5-6.5		DUP01_20210227		EB30_7-8	
Laboratory ID	Unrestricted Use	21C0044-01		21C0044-02		21C0044-04		21C0044-03	
Sample Date	SCOs	2/27/2021		2/27/2021		2/27/2021		2/27/2021	
Sample Depth (feet bgs)		14-15		5.5-6.5		5.5-6.5		7-8	
Volatile Organic Compounds (mg/kg)									
1,1,1-Trichloroethane	0.68	0.0029	U	0.002	U	0.002	U	0.0025	U
1,1-Dichloroethane	0.27	0.0029	U	0.002	U	0.002	U	0.0025	U
1,1-Dichloroethene	0.33	0.0029	U	0.002	U	0.002	U	0.0025	U
1,2,4-Trimethylbenzene	3.6	0.0029	U	0.002	U	0.002	U	0.0025	U
1,2-Dichlorobenzene	1.1	0.0029	U	0.002	U	0.002	U	0.0025	U
1,2-Dichloroethane	0.02	0.0029	UJ	0.002	U	0.002	U	0.0025	U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	0.0029	U	0.002	U	0.002	U	0.0025	U
1,3-Dichlorobenzene	2.4	0.0029	U	0.002	U	0.002	U	0.0025	U
1,4-Dichlorobenzene	1.8	0.0029	U	0.002	U	0.002	U	0.0025	U
1,4-Dioxane (P-Dioxane)	0.1	0.058	U	0.041	UJ	0.041	U	0.05	U
Acetone	0.05	0.0058	U	0.0041	U	0.0041	U	0.005	U
Benzene	0.06	0.0029	U	0.002	U	0.002	U	0.0025	U
Carbon Tetrachloride	0.76	0.0029	U	0.002	U	0.002	U	0.0025	U
Chlorobenzene	1.1	0.0029	U	0.002	U	0.002	U	0.0025	U
Chloroform	0.37	0.0029	U	0.002	U	0.002	U	0.0025	U
Cis-1,2-Dichloroethene	0.25	0.0029	U	0.002	U	0.002	U	0.0025	U
Ethylbenzene	1	0.0029	U	0.002	U	0.002	U	0.0025	U
M,P-Xylene	~	0.0058	U	0.0041	U	0.0041	U	0.005	U
Methyl Ethyl Ketone (2-Butanone)	0.12	0.0058	U	0.0043	U	0.0032	U	0.0044	U
Methylene Chloride	0.05	0.0058	UJ	0.0041	U	0.02	J	0.0055	U
Naphthalene	12	0.0029	U	0.002	U	0.002	U	0.0025	U
n-Butylbenzene	12	0.0029	U	0.002	U	0.002	U	0.0025	U
n-Propylbenzene	3.9	0.0029	U	0.002	U	0.002	U	0.0025	U
o-Xylene (1,2-Dimethylbenzene)	~	0.0029	U	0.002	U	0.002	U	0.0025	U
Sec-Butylbenzene	11	0.0029	U	0.002	U	0.002	U	0.0025	U
T-Butylbenzene	5.9	0.0029	U	0.002	U	0.002	U	0.0025	U
Tert-Butyl Methyl Ether	0.93	0.0029	U	0.002	U	0.002	U	0.0025	U
Tetrachloroethene (PCE)	1.3	0.0029	U	0.002	UJ	0.002	U	0.0025	U
Toluene	0.7	0.0029	U	0.002	U	0.002	U	0.0025	U
Total Xylenes	0.26	0.0087	U	0.0061	U	0.0061	U	0.0075	U
Trans-1,2-Dichloroethene	0.19	0.0029	U	0.002	U	0.002	U	0.0025	U
Trichloroethene (TCE)	0.47	0.0029	UJ	0.002	UJ	0.002	UJ	0.0025	UJ
Vinyl Chloride	0.02	0.0029	U	0.002	U	0.002	U	0.0025	U
Semivolatile Organic Compounds (mg/kg)									
1,4-Dioxane (P-Dioxane)	0.1	0.00971	U	0.00962	U	0.00971	U	0.00971	U
2-Methylphenol (o-Cresol)	0.33	0.0482	U	0.0447	U	0.0451	U	0.0425	U
3 & 4 Methylphenol (m&p Cresol)	0.33	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Acenaphthene	20	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Acenaphthylene	100	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Anthracene	100	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Benzo(a)anthracene	1	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Benzo(a)pyrene	1	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Benzo(b)fluoranthene	1	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Benzo(g,h,i)Perylene	100	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Benzo(k)fluoranthene	0.8	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Chrysene	1	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Dibenz(a,h)anthracene	0.33	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Dibenzofuran	7	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Fluoranthene	100	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Fluorene	30	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Hexachlorobenzene	0.33	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Indeno(1,2,3-cd)pyrene	0.5	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Naphthalene	12	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Pentachlorophenol	0.8	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Phenanthrene	100	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Phenol	0.33	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Pyrene	100	0.0482	U	0.0447	U	0.0451	U	0.0425	U
Pesticides (mg/kg)									
4,4'-DDD	0.0033	0.0019	U	0.00175	U	0.00178	U	0.00168	U
4,4'-DDE	0.0033	0.0019	U	0.00175	U	0.00178	U	0.00168	U
4,4'-DDT	0.0033	0.0019	U	0.00175	U	0.00178	U	0.00168	U
Aldrin	0.005	0.0019	U	0.00175	U	0.00178	U	0.00168	U
Alpha BHC (Alpha Hexachlorocyclohexane)	0.02	0.0019	U	0.00175	U	0.00178	U	0.00168	U
Alpha Chlordane	0.094	0.0019	U	0.00175	U	0.00178	U	0.00168	U
Alpha Endosulfan	2.4	0.0019	U	0.00175	U	0.00178	U	0.00168	U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.0019	U	0.00175	U	0.00178	U	0.00168	U
Beta Endosulfan	2.4	0.0019	U	0.00175	U	0.00178	U	0.00168	U
Delta Bhc (Delta Hexachlorocyclohexane)	0.04	0.0019	U	0.00175	U	0.00178	U	0.00168	U
Dieldrin	0.005	0.0019	U	0.00175	U	0.00178	U	0.00168	U
Endosulfan Sulfate	2.4	0.0019	U	0.00175	U	0.00178	U	0.00168	U
Endrin	0.014	0.0019	U	0.00175	U	0.00178	U	0.00168	U
Gamma Bhc (Lindane)	0.1	0.0019	U	0.00175	U	0.00178	U	0.00168	U
Heptachlor	0.042	0.0019	U	0.00175	U	0.00178	U	0.00168	U
Herbicides (mg/kg)									
Silvex (2,4,5-Tp)	3.8	0.023	U	0.0215	U	0.0216	U	0.0203	U
Polychlorinated Biphenyls (mg/kg)									
PCB-1016 (Aroclor 1016)	~	0.0192	U	0.0176	U	0.0179	U	0.017	U
PCB-1221 (Aroclor 1221)	~	0.0192	U	0.0176	U	0.0179	U	0.017	U
PCB-1232 (Aroclor 1232)	~	0.0192	U	0.0176	U	0.0179	U	0.017	U
PCB-1242 (Aroclor 1242)	~	0.0192	U	0.0176	U	0.0179	U	0.017	U
PCB-1248 (Aroclor 1248)	~	0.0192	U	0.0176	U	0.0179	U	0.017	U
PCB-1254 (Aroclor 1254)	~	0.0192	U	0.0176	U	0.0179	U	0.017	U
PCB-1260 (Aroclor 1260)	~	0.0192	U	0.0176	U	0.0179	U	0.017	U
PCB-1262 (Aroclor 1262)	~	0.0192	U	0.0176	U	0.0179	U	0.017	U
PCB-1268 (Aroclor 1268)	~	0.0192	U	0.0176	U	0.0179	U	0.017	U
Total PCBs	0.1	0.0192	U	0.0176	U	0.0179	U	0.017	U
Inorganics (mg/kg)									
Arsenic	13	1.75	U	2.79		2.08		1.54	U
Barium	350	50.9		49.2		32.4		56.8	
Beryllium	7.2	0.058	U	0.054	U	0.055	U	0.051	U
Cadmium	2.5	0.349	U	0.324	U	0.327	U	0.308	U
Chromium, Hexavalent	1	0.582	UJ	0.54	U	0.545	U	0.514	U
Chromium, Total	~	15.6		15		13.9		16.8	
Chromium, Trivalent	30	15.6		15		13.9		16.8	
Copper	50	12.3		11.4		14.6		16.5	
Cyanide	27	0.0116	UJ	0.0108	U	0.0109	U	0.0103	U
Lead	63	5.72		12.7	J	6.02	J	2.67	
Manganese	1,600	380		359		355		461	
Mercury	0.18	0.0349	U	0.0324	U	0.0327	U	0.0308	U
Nickel	30	12.6		14.7		15.9		13.6	
Selenium	3.9	2.91	U	2.7	U	2.73	U	2.57	U
Silver	2	0.582	U	0.54	U	0.545	U	0.514	U
Zinc	109	24.2		35.5		23.2		18.2	
General Chemistry (%)									
Solids, Percent	~	85.9		92.6		91.7		97.3	

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO).
2. Criterion comparisons for 3- & 4-methylphenol (m&p cresol) are provided for reference. Promulgated SCOs are for 3-methylphenol (m-cresol) and 4-methylphenol (p-cresol).
3. Borings EB29 and EB30 were advanced from cellar grades. The noted sampling intervals below grade surface correspond to about 15 feet below sidewalk grade.
4. Sample DUP01_20210227 is a duplicate sample of EB29_5.5-6.5.
5. ~ = Regulatory limit for this analyte does not exist
6. bgs = below grade surface
7. mg/kg = milligrams per kilogram
8. % = percent

Qualifiers:
J = The analyte was positively identified and the
UJ = The analyte was not detected at a level greater
U = The analyte was analyzed for, but was not

Table 2
RIR Addendum for Supplemental Soil Sampling
Soil Sample Analytical Results - PFAS

173-175 Christopher Street
New York, New York
NYSDEC BCP Site No.: C231098
Langan Project No.: 170363501

Location		EB28		EB29		EB29		EB30	
Sample ID	NYSDEC Part 375	EB28_14-15		EB29_5.5-6.5		DUP01_20210227		EB30_7-8	
Laboratory ID	Unrestricted Use	21C0044-01		21C0044-02		21C0044-04		21C0044-03	
Sample Date	Guidance Values	2/27/2021		2/27/2021		2/27/2021		2/27/2021	
Sample Depth (feet bgs)		14-15		5.5-6.5		5.5-6.5		7-8	
Per and Polyfluoroalkyl Substances (ppb)									
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	~	0.569	U	0.53	U	0.514	U	0.504	U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	~	0.569	U	0.53	U	0.514	U	0.504	U
Perfluorobutanesulfonic Acid (PFBS)	~	0.569	U	0.53	U	0.514	U	0.504	U
Perfluorobutanoic acid (PFBA)	~	0.569	U	0.53	U	0.514	U	0.504	U
Perfluorodecanesulfonic Acid (PFDS)	~	0.569	U	0.53	U	0.514	U	0.504	U
Perfluorodecanoic Acid (PFDA)	~	0.569	U	0.53	U	0.514	U	0.504	U
Perfluorododecanoic Acid (PFDoA)	~	0.569	U	0.53	U	0.514	U	0.504	U
Perfluoroheptanesulfonic Acid (PFHpS)	~	0.569	U	0.53	U	0.514	U	0.504	U
Perfluoroheptanoic acid (PFHpA)	~	0.569	U	0.53	U	0.514	U	0.504	U
Perfluorohexanesulfonic Acid (PFHxS)	~	0.569	U	0.53	U	0.514	U	0.504	U
Perfluorohexanoic Acid (PFHxA)	~	0.569	U	0.53	U	0.514	U	0.504	U
Perfluorononanoic Acid (PFNA)	~	0.569	U	0.53	U	0.514	U	0.504	U
Perfluorooctanesulfonamide (FOSA)	~	0.569	U	0.53	U	0.514	U	0.504	U
Perfluorooctanesulfonic Acid (PFOS)	0.88	0.569	U	0.53	U	0.514	U	0.504	U
Perfluorooctanoic Acid (PFOA)	0.66	0.569	U	0.53	U	0.514	U	0.504	U
Perfluoropentanoic Acid (PFPeA)	~	0.569	U	0.53	U	0.514	U	0.504	U
Perfluorotetradecanoic Acid (PFTA)	~	0.569	U	0.53	U	0.514	U	0.504	U
Perfluorotridecanoic Acid (PFTrDA)	~	0.569	U	0.53	U	0.514	U	0.504	U
Perfluoroundecanoic Acid (PFUnA)	~	0.569	U	0.53	U	0.514	U	0.504	U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	~	0.569	U	0.53	U	0.514	U	0.504	U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	~	0.569	U	0.53	U	0.514	U	0.504	U

Notes:

1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Remedial Programs Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS) Unrestricted Use Guidance Values (Janurary 2021).
2. Sample DUP01_20210227 is a duplicate sample of EB29_5.5-6.5.
3. Borings EB29 and EB30 were advanced from cellar grades. The noted sampling intervals below grade surface correspond to about 15 feet below sidewalk grade.
4. ~ = Regulatory limit for this analyte does not exist
5. bgs = below grade surface
6. ppb = parts per billion

Qualifiers:

Table 3
RIR Addendum for Supplemental Soil Sampling
Quality Assurance/Quality Control Sample Analytical Results

173-175 Christopher Street
New York, New York
NYSDEC BCP Site No.: C231098
Langan Project No.: 170363501

Sample ID	FB01_20210227		TRIP BLANK_20210227	
Laboratory ID	21C0044-05		21C0044-06	
Sample Date	2/27/2021		2/27/2021	
Sample Type	FB		TB	
Volatile Organic Compounds (µg/L)				
1,1,1-Trichloroethane	0.2	U	0.2	U
1,1-Dichloroethane	0.2	U	0.2	U
1,1-Dichloroethene	0.2	U	0.2	U
1,2,4-Trimethylbenzene	0.2	U	0.2	U
1,2-Dichlorobenzene	0.2	U	0.2	U
1,2-Dichloroethane	0.2	U	0.2	U
1,3,5-Trimethylbenzene (Mesitylene)	0.2	U	0.2	U
1,3-Dichlorobenzene	0.2	U	0.2	U
1,4-Dichlorobenzene	0.2	U	0.2	U
1,4-Dioxane (P-Dioxane)	40	U	40	U
Acetone	1	U	1.66	J
Benzene	0.2	U	0.2	U
Carbon Tetrachloride	0.2	U	0.2	U
Chlorobenzene	0.2	U	0.2	U
Chloroform	0.2	U	0.2	U
Cis-1,2-Dichloroethene	0.2	U	0.2	U
Ethylbenzene	0.2	U	0.2	U
M,P-Xylene	0.5	U	0.5	U
Methyl Ethyl Ketone (2-Butanone)	0.77	JB	0.75	JB
Methylene Chloride	3.01		1.52	J
Naphthalene	1	U	1	U
n-Butylbenzene	0.2	U	0.2	U
n-Propylbenzene	0.2	U	0.2	U
o-Xylene (1,2-Dimethylbenzene)	0.2	U	0.2	U
Sec-Butylbenzene	0.2	U	0.2	U
T-Butylbenzene	0.2	U	0.2	U
Tert-Butyl Methyl Ether	0.2	U	0.2	U
Tetrachloroethene (PCE)	0.2	U	0.2	U
Toluene	0.2	U	0.2	U
Total Xylenes	0.6	U	0.6	U
Trans-1,2-Dichloroethene	0.2	U	0.2	U
Trichloroethene (TCE)	0.2	U	0.2	U
Vinyl Chloride	0.2	U	0.2	U
Semivolatile Organic Compounds (µg/L)				
1,4-Dioxane (P-Dioxane)	0.3	U	NA	
2-Methylphenol (o-Cresol)	2.5	U	NA	
3 & 4 Methylphenol (m&p Cresol)	2.5	U	NA	
Acenaphthene	0.05	U	NA	
Acenaphthylene	0.05	U	NA	
Anthracene	0.05	U	NA	
Benzo(a)anthracene	0.05	U	NA	
Benzo(a)pyrene	0.05	U	NA	
Benzo(b)fluoranthene	0.05	U	NA	
Benzo(g,h,i)Perylene	0.05	U	NA	
Benzo(k)fluoranthene	0.05	U	NA	
Chrysene	0.05	U	NA	
Dibenz(a,h)anthracene	0.05	U	NA	
Dibenzofuran	2.5	U	NA	
Fluoranthene	0.05	U	NA	
Fluorene	0.05	U	NA	
Hexachlorobenzene	0.02	U	NA	
Indeno(1,2,3-cd)pyrene	0.05	U	NA	
Naphthalene	0.05	U	NA	
Pentachlorophenol	0.25	U	NA	
Phenanthrene	0.05	U	NA	
Phenol	2.5	U	NA	
Pyrene	0.06		NA	
Pesticides (µg/L)				
4,4'-DDD	0.004	U	NA	
4,4'-DDE	0.004	U	NA	
4,4'-DDT	0.004	U	NA	
Aldrin	0.004	U	NA	
Alpha BHC (Alpha Hexachlorocyclohexane)	0.004	U	NA	
Alpha Chlordane	0.004	U	NA	
Alpha Endosulfan	0.004	U	NA	
Beta Bhc (Beta Hexachlorocyclohexane)	0.004	U	NA	
Beta Endosulfan	0.004	U	NA	
Chlordane (alpha and gamma)	0.01	U	NA	
Delta Bhc (Delta Hexachlorocyclohexane)	0.004	U	NA	
Dieldrin	0.002	U	NA	
Endosulfan Sulfate	0.004	U	NA	
Endrin	0.004	U	NA	
Endrin Aldehyde	0.01	U	NA	
Endrin Ketone	0.01	U	NA	
Gamma Bhc (Lindane)	0.004	U	NA	
Gamma-Chlordane	0.01	U	NA	
Heptachlor	0.004	U	NA	
Heptachlor Epoxide	0.004	U	NA	
Methoxychlor	0.004	U	NA	
Toxaphene	0.1	U	NA	
Herbicides (µg/L)				
Silvex (2,4,5-Tp)	5	U	NA	
Polychlorinated Biphenyls (µg/L)				
PCB-1016 (Aroclor 1016)	0.05	U	NA	
PCB-1221 (Aroclor 1221)	0.05	U	NA	
PCB-1232 (Aroclor 1232)	0.05	U	NA	
PCB-1242 (Aroclor 1242)	0.05	U	NA	
PCB-1248 (Aroclor 1248)	0.05	U	NA	
PCB-1254 (Aroclor 1254)	0.05	U	NA	
PCB-1260 (Aroclor 1260)	0.05	U	NA	
Total PCBs	0.05	U	NA	
Inorganics (µg/L)				
Arsenic	1.11	U	NA	
Barium	1.11	U	NA	
Beryllium	0.333	U	NA	
Cadmium	0.556	U	NA	
Chromium, Hexavalent	10	U	NA	
Chromium, Total	1.11	U	NA	
Chromium, Trivalent	10	U	NA	
Copper	1.11	U	NA	
Cyanide	10	U	NA	
Lead	1.11	U	NA	
Manganese	1.11	U	NA	
Mercury	0.2	B	NA	
Nickel	1.11	U	NA	
Selenium	1.11	U	NA	
Silver	1.11	U	NA	
Zinc	7.71		NA	
Per and Polyfluoroalkyl Substances (µg/L)				
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	0.00184	U	NA	
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	0.00184	U	NA	
Perfluorobutanesulfonic Acid (PFBS)	0.00184	U	NA	
Perfluorobutanoic acid (PFBA)	0.00184	U	NA	
Perfluorodecanesulfonic Acid (PFDS)	0.00184	U	NA	
Perfluorodecanoic Acid (PFDA)	0.00184	U	NA	
Perfluorododecanoic Acid (PFDoA)	0.00184	U	NA	
Perfluoroheptanesulfonic Acid (PFHpS)	0.00184	U	NA	
Perfluoroheptanoic acid (PFHpA)	0.00184	U	NA	
Perfluorohexanesulfonic Acid (PFHxS)	0.00184	U	NA	
Perfluorohexanoic Acid (PFHxA)	0.00184	U	NA	
Perfluorononanoic Acid (PFNA)	0.00184	U	NA	
Perfluorooctanesulfonamide (FOSA)	0.00184	U	NA	
Perfluorooctanesulfonic Acid (PFOS)	0.00184	U	NA	
Perfluorooctanoic Acid (PFOA)	0.00184	U	NA	
Perfluoropentanoic Acid (PFPeA)	0.00184	U	NA	
Perfluorotetradecanoic Acid (PFTA)	0.00184	U	NA	
Perfluorotridecanoic Acid (PFTrDA)	0.00184	U	NA	
Perfluoroundecanoic Acid (PFUnA)	0.00184	U	NA	
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	0.00184	U	NA	
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	0.0046	U	NA	

Notes provided on Page 2.

Table 3
RIR Addendum for Supplemental Soil Sampling
Quality Assurance/Quality Control Sample Analytical Results

173-175 Christopher Street
New York, New York
NYSDEC BCP Site No.: C231098
Langan Project No.: 170363501

Notes:
1. µg/L = micrograms per liter
2. FB = Field Blank
3. TB = Trip Blank
4. NA = Not Analyzed

Qualifiers:
B = The analyte was found in the associated analysis batch blank.
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the Reporting Limit (RL) or the sample concentration for results impacted by blank contamination.

ATTACHMENT 1

LANGAN

Log of Boring **EB28** Sheet 1 of 1

Project: 173-175 Christopher Street	Project No.: 170363501
Location: New York, NY	Elevation and Datum: 10.5 feet NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 2/27/21 — Date Finished: 2/27/21
Drilling Equipment: Geoprobe 420M	Completion Depth: 15 ft — Rock Depth: NA
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 5 — Undisturbed NA — Core NA
Casing Diameter (in): NA — Casing Depth (ft): NA	Water Level (ft.): First ▽ 13 — Completion ▼ NA — 24 HR. ▼ NA
Casing Hammer: NA — Weight (lbs): NA — Drop (in): NA	Drilling Foreman: Daybi Pocheco
Sampler: 3 foot Macrocore	Field Engineer: Michael Au
Sampler Hammer: NA — Weight (lbs): NA — Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		M-1A (0-8") Concrete	0					2.3	8-inch concrete slab drilled using the Geoprobe 420M drill rig.
		M-1B (8-24") Brown medium SAND, some coarse sand (dry) [FILL]	1	M-1	MACROCORE	33/36		3.0	
		M-1C (24-33") Light brown fine SAND, some silt (dry) [SP]	2					3.9	
		M-2A (0-36") Light brown fine SAND, some silt (dry) [SP]	3					3.9	
			4	M-2	MACROCORE	36/36		2.2	
			5					0.0	
		M-3A (0-12") Reddish-brown medium SAND, some fine gravel (dry) [SP]	6					0.0	
		M-3B (12-24") Light brown fine SAND, some silt (dry) [SP]	7	M-3	MACROCORE	36/36		0.0	
		M-3C (24-36") Grayish-brown F-m SAND, some coarse sand (dry) [SP]	8					0.0	
		M-4A (0-12") Light brown fine SAND, trace fine gravel (dry) [SP]	9					1.7	
		M-4B (12-24") Brown medium SAND, some coarse sand, trace fine gravel (dry) [SP]	10	M-4	MACROCORE	36/36		0.1	
		M-4C (24-29") Brown medium SAND (dry) [SP]	11					0.8	
		M-4D (29-36") Brown medium SAND, trace fine gravel [dry] [SP]	12					1.8	
		M-5A (0-12") Brown medium SAND, some coarse sand (dry) [SP]	13 ▽					2.0	
		M-5B (12-36") Brown fine SAND, some silt (wet) [SP]	14	M-5	MACROCORE	36/36		2.5	
			15					0.0	
			16					0	
			17					0.2	
			18					2.3	
			19					3.1	
			20					0.8	
								2.9	
								0.0	
								0.0	
								0.1	
								0.1	
								2.4	Sampled EB28_14-15
								2.0	
									E.O.B. at 15' Backfilled with cuttings and clean sand, capped at grade with cement.

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Log of Boring **EB29** Sheet 1 of 1

Project: 173-175 Christopher Street	Project No.: 170363501
Location: New York, NY	Elevation and Datum: 5 feet NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 2/27/21 — Date Finished: 2/27/21
Drilling Equipment: Jackhammer with Direct Push Assembly	Completion Depth: 6.5 ft — Rock Depth: NA
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 3 — Undisturbed NA — Core NA
Casing Diameter (in): NA — Casing Depth (ft): NA	Water Level (ft.): First ▽ 3.5 — Completion ▼ NA — 24 HR. ▼ NA
Casing Hammer: NA — Weight (lbs): NA — Drop (in): NA	Drilling Foreman: Daybi Pocheco
Sampler: 2 foot Macrocore	Field Engineer: Michael Au
Sampler Hammer: NA — Weight (lbs): NA — Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		M-1A (0-6") Concrete	0						6-inch concrete slab pre-drilled with a jack hammer.
		M-1B (6-24") Light gray medium SAND, trace fine gravel, concrete (dry) [FILL]	1	M-1	MACROCORE	16/24		0.0 0.0	
		M-2A (0-6") Light gray medium SAND, concrete (dry) [FILL]	2					0.0	
		M-2B (6-24") Brown fine SAND, some silt (moist) [SP] ▽	3	M-2	MACROCORE	24/24		0.0 0.0 0.0	
		M-3A (0-6") Brown fine SAND, some silt (wet) [SP]	4					0.0	
		M-3B (6-12") Brownish gray medium SAND, some coarse sand, trace fine gravel (wet) [SP]	5	M-3	MACROCORE	30/36		0.0 0.0 0.8	Sampled EB29_5.5-6.5 Sampled DUP01_20210227
		M-3C (12-18") Brown fine SAND, trace silt (wet) [SP] M-3D (18-30") Reddish brown medium SAND, trace fine gravel (wet) [SP]	6					0.0	E.O.B. at 6.5' Backfilled with cuttings and clean sand, capped at grade with cement.
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **EB30** Sheet 1 of 1

Project: 173-175 Christopher Street	Project No.: 170363501
Location: New York, NY	Elevation and Datum: 3.5 feet NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 2/27/21 — Date Finished: 2/27/21
Drilling Equipment: Jackhammer with Direct Push Assembly	Completion Depth: 8 ft — Rock Depth: NA
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 4 — Undisturbed NA — Core NA
Casing Diameter (in): NA — Casing Depth (ft): NA	Water Level (ft.): First ▽ 2.5 — Completion ▼ NA — 24 HR. ▼ NA
Casing Hammer: NA — Weight (lbs): NA — Drop (in): NA	Drilling Foreman: Daybi Pocheco
Sampler: 2 foot Macrocore	Field Engineer: Michael Au
Sampler Hammer: NA — Weight (lbs): NA — Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		M-1A (0-6") Concrete	0						6-inch concrete slab pre-drilled with a hand drill.
		M-1A (6-10") Dark brown coarse SAND, concrete (dry) [FILL]	1	M-1	MACROCORE	23/24		0.0	
		M-1B (10-23") Tannish-brown fine SAND, some silt (dry) [SP]	2					0.0	
		M-2A (0-4") Gray medium SAND, trace fine gravel (dry) [SP] ▽	3	M-2	MACROCORE	24/24		0.0	
		M-2B (4-18") Tannish-brown silty plastic CLAY (wet) [CL-ML]	4					0.0	
		M-2C (18-24") Tannish-brown fine SAND, some silt (wet) [SP]	5	M-3	MACROCORE	24/24		0.0	
		M-3A (0-12") Gray coarse SAND, trace fine gravel (wet) [SP]	6					0.0	
		M-3B (12-24") Brown fine SAND (wet) [SP]	7	M-4	MACROCORE	24/24		0.0	Sampled EB30_7-8
		M-4A (0-6") Grayish brown medium SAND, trace fine gravel (wet) [SP]	8					0.0	E.O.B. at 8'
		M-4B (6-24") Brown medium SAND, some fine sand (wet) [SP]	9						Backfilled with cuttings and clean sand, capped at grade with concrete.
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

\\LANGAN.COM\DATA\NYC\DATA5\170363501\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170363501_ENTERPRISE.GPJ ... 4/29/2021 4:24:46 PM ... Report: Log - LANGAN

ATTACHMENT 2

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Albert Tashji

Report Date: 03/10/2021
Client Project ID: 170363501
York Project (SDG) No.: 21C0044

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

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 03/10/2021
Client Project ID: 170363501
York Project (SDG) No.: 21C0044

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Albert Tashji

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 02, 2021 and listed below. The project was identified as your project: **170363501**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21C0044-01	EB28_14-15	Soil	02/27/2021	03/02/2021
21C0044-02	EB29_5.5-6.5	Soil	02/27/2021	03/02/2021
21C0044-03	EB30_7-8	Soil	02/27/2021	03/02/2021
21C0044-04	DUP01_20210227	Soil	02/27/2021	03/02/2021
21C0044-05	FB01_20210227	Water	02/27/2021	03/02/2021
21C0044-06	TRIP BLANK	Water	02/27/2021	03/02/2021

General Notes for York Project (SDG) No.: 21C0044

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:  **Date:** 03/10/2021

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: EB28_14-15 **York Sample ID:** 21C0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 9:05 am	03/02/2021

Volatiles, 8260 NYSDEC Part 375 **Log-in Notes:** **Sample Notes:** VOA-Re

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.058	0.12	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0058**	J, B	mg/kg dry	0.0029	0.012	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0029	0.012	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EB28_14-15 **York Sample ID:** 21C0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 9:05 am	03/02/2021

Volatiles, 8260 NYSDEC Part 375

Log-in Notes:

Sample Notes: VOA-Re

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0087	0.017	1	EPA 8260C	03/04/2021 06:47	03/04/2021 15:47	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*95.3 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*109 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*	*76-130*

Semi-Volatiles, 8270 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EB28_14-15 **York Sample ID:** 21C0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 9:05 am	03/02/2021

Semi-Volatiles, 8270 NYSDEC Part 375 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0482	0.0961	2	EPA 8270D	03/04/2021 07:12	03/04/2021 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*47.6 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*48.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*54.3 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*53.0 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*51.5 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*69.5 %*	*24-116*

Sample Information

Client Sample ID: EB28_14-15 **York Sample ID:** 21C0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 9:05 am	03/02/2021

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.71	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/05/2021 07:28	03/05/2021 13:02	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*60.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL

Sample Information

Client Sample ID: EB28_14-15 **York Sample ID:** 21C0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 9:05 am	03/02/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.569	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 04:20	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*227 %*	PFSu-H	*25-150*
Surrogate: M5PFHxA	*94.8 %*		*25-150*
Surrogate: M4PFHpA	*201 %*	PFSu-H	*25-150*
Surrogate: M3PFHxS	*119 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*94.4 %*		*25-150*
Surrogate: M6PFDA	*67.7 %*		*25-150*
Surrogate: M7PFUdA	*68.7 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*79.6 %*		*25-150*
Surrogate: M2PFTeDA	*57.9 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*88.5 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*73.7 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*195 %*	PFSu-H	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*61.5 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*120 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*66.5 %*		*25-150*
Surrogate: M2-6:2 FTS	*88.2 %*		*25-150*
Surrogate: M2-8:2 FTS	*77.2 %*		*25-150*
Surrogate: M9PFNA	*128 %*		*25-150*

Pesticides, 8081 NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/03/2021 13:31	03/05/2021 06:05	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/03/2021 13:31	03/05/2021 06:05	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/03/2021 13:31	03/05/2021 06:05	CM

Sample Information

Client Sample ID: EB28_14-15 **York Sample ID:** 21C0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 9:05 am	03/02/2021

Pesticides, 8081 NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00190	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:05	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00190	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00190	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00190	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:05	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00190	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00190	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00190	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00190	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*108 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*90.4 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:28	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:28	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:28	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:28	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:28	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: EB28_14-15 **York Sample ID:** 21C0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 9:05 am	03/02/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:28	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:28	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0192	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:28	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0192	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:28	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0192	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:28	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*77.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*72.5 %*	*30-120*

Herbicides, 8151 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	23.0	1	EPA 8151A	03/03/2021 06:44	03/03/2021 19:09	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*62.8 %*	*21-150*

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.75	1	EPA 6010D	03/03/2021 17:20	03/05/2021 15:56	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**50.9**		mg/kg dry	2.91	1	EPA 6010D	03/03/2021 17:20	03/05/2021 15:56	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D	03/03/2021 17:20	03/05/2021 15:56	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.349	1	EPA 6010D	03/03/2021 17:20	03/05/2021 15:56	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**15.6**		mg/kg dry	0.582	1	EPA 6010D	03/03/2021 17:20	03/05/2021 15:56	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**12.3**		mg/kg dry	2.33	1	EPA 6010D	03/03/2021 17:20	03/05/2021 15:56	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**5.72**		mg/kg dry	0.582	1	EPA 6010D	03/03/2021 17:20	03/05/2021 15:56	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EB28_14-15 **York Sample ID:** 21C0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 9:05 am	03/02/2021

Metals, NYSDEC Part 375

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**380**		mg/kg dry	0.582	1	EPA 6010D	03/03/2021 17:20	03/05/2021 15:56	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**12.6**		mg/kg dry	1.16	1	EPA 6010D	03/03/2021 17:20	03/05/2021 15:56	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	2.91	1	EPA 6010D	03/03/2021 17:20	03/05/2021 15:56	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.582	1	EPA 6010D	03/03/2021 17:20	03/05/2021 15:56	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**24.2**		mg/kg dry	2.91	1	EPA 6010D	03/03/2021 17:20	03/05/2021 15:56	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0349	1	EPA 7473	03/03/2021 14:14	03/03/2021 18:26	BML
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

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

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.582	1	EPA 7196A	03/03/2021 08:50	03/03/2021 16:52	ALH
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

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

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**15.6**		mg/kg	0.500	1	Calculation	03/08/2021 12:21	03/08/2021 12:29	PAM
							Certifications:			

Cyanide, Total

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

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.0116	1	EPA 9014/9010C	03/04/2021 08:41	03/04/2021 14:57	ALH
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

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

Sample Information

Client Sample ID: **EB28_14-15** **York Sample ID:** **21C0044-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 9:05 am	03/02/2021

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.9**		%	0.100	1	SM 2540G	03/03/2021 09:58	03/03/2021 13:30	OT
							Certifications: CTDOH			

Sample Information

Client Sample ID: **EB29_5.5-6.5** **York Sample ID:** **21C0044-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 10:20 am	03/02/2021

Volatiles, 8260 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.041	0.082	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0043**	J, B	mg/kg dry	0.0020	0.0082	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0041**	J	mg/kg dry	0.0041	0.0082	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0020	0.0082	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EB29_5.5-6.5 **York Sample ID:** 21C0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 10:20 am	03/02/2021

Volatiles, 8260 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C	03/02/2021 06:47	03/02/2021 19:29	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.3 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*110 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*109 %*	*76-130*

Semi-Volatiles, 8270 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EB29_5.5-6.5 **York Sample ID:** 21C0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 10:20 am	03/02/2021

Semi-Volatiles, 8270 NYSDEC Part 375 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D	03/04/2021 07:12	03/04/2021 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*42.0 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*43.2 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*49.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*45.0 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*43.6 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*58.9 %*	*24-116*

Sample Information

Client Sample ID: EB29_5.5-6.5 **York Sample ID:** 21C0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 10:20 am	03/02/2021

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.62	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/05/2021 07:28	03/05/2021 13:55	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*68.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL

Sample Information

Client Sample ID: EB29_5.5-6.5 **York Sample ID:** 21C0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 10:20 am	03/02/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.530	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 05:41	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*225 %*	PFSu-H	*25-150*
Surrogate: M5PFHxA	*95.3 %*		*25-150*
Surrogate: M4PFHpA	*193 %*	PFSu-H	*25-150*
Surrogate: M3PFHxS	*121 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*91.2 %*		*25-150*
Surrogate: M6PFDA	*66.5 %*		*25-150*
Surrogate: M7PFUdA	*64.5 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*78.2 %*		*25-150*
Surrogate: M2PFTeDA	*62.0 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*87.1 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*68.9 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*193 %*	PFSu-H	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*59.1 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*110 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*68.5 %*		*25-150*
Surrogate: M2-6:2 FTS	*86.8 %*		*25-150*
Surrogate: M2-8:2 FTS	*73.0 %*		*25-150*
Surrogate: M9PFNA	*123 %*		*25-150*

Pesticides, 8081 NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/03/2021 13:31	03/05/2021 06:22	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/03/2021 13:31	03/05/2021 06:22	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/03/2021 13:31	03/05/2021 06:22	CM

Sample Information

Client Sample ID: EB29_5.5-6.5 **York Sample ID:** 21C0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 10:20 am	03/02/2021

Pesticides, 8081 NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00175	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:22	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00175	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00175	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00175	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:22	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00175	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00175	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00175	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00175	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:22	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*133 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*59.4 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:42	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:42	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:42	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:42	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:42	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: EB29_5.5-6.5 **York Sample ID:** 21C0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 10:20 am	03/02/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:42	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:42	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0176	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:42	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0176	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:42	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:42	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*85.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*72.5 %*	*30-120*

Herbicides, 8151 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	21.5	1	EPA 8151A	03/03/2021 06:44	03/03/2021 19:19	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*65.0 %*	*21-150*

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**2.79**		mg/kg dry	1.62	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:06	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**49.2**		mg/kg dry	2.70	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:06	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:06	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.324	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:06	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**15.0**		mg/kg dry	0.540	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:06	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**11.4**		mg/kg dry	2.16	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:06	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**12.7**		mg/kg dry	0.540	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:06	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EB29_5.5-6.5 **York Sample ID:** 21C0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 10:20 am	03/02/2021

Metals, NYSDEC Part 375

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**359**		mg/kg dry	0.540	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:06	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**14.7**		mg/kg dry	1.08	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:06	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	2.70	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:06	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.540	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:06	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**35.5**		mg/kg dry	2.70	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:06	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0324	1	EPA 7473	03/03/2021 14:14	03/03/2021 18:53	BML
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

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

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.540	1	EPA 7196A	03/03/2021 08:50	03/03/2021 16:52	ALH
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

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

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**15.0**		mg/kg	0.500	1	Calculation	03/08/2021 12:21	03/08/2021 12:29	PAM
							Certifications:			

Cyanide, Total

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

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.0108	1	EPA 9014/9010C	03/04/2021 08:41	03/04/2021 14:57	ALH
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

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

Sample Information

Client Sample ID: EB29_5.5-6.5 **York Sample ID:** 21C0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 10:20 am	03/02/2021

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.6		%	0.100	1	SM 2540G	03/03/2021 09:58	03/03/2021 13:30	OT
							Certifications: CTDOH			

Sample Information

Client Sample ID: **EB30_7-8** **York Sample ID:** **21C0044-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 12:00 pm	03/02/2021

Volatiles, 8260 NYSDEC Part 375 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.10	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0044**	J, B	mg/kg dry	0.0025	0.010	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0055**	J	mg/kg dry	0.0050	0.010	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0025	0.010	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EB30_7-8 **York Sample ID:** 21C0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 12:00 pm	03/02/2021

Volatiles, 8260 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C	03/03/2021 06:47	03/03/2021 14:51	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.9 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*110 %*	*76-130*

Semi-Volatiles, 8270 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EB30_7-8 **York Sample ID:** 21C0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 12:00 pm	03/02/2021

Semi-Volatiles, 8270 NYSDEC Part 375 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0425	0.0849	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*68.6 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*72.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*89.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*82.6 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*65.3 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*115 %*	*24-116*

Sample Information

Client Sample ID: EB30_7-8 **York Sample ID:** 21C0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 12:00 pm	03/02/2021

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.71	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/05/2021 07:28	03/05/2021 14:13	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*60.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL

Sample Information

Client Sample ID: **EB30_7-8** **York Sample ID:** **21C0044-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 12:00 pm	03/02/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:08	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*227 %*	PFSu-H	*25-150*
Surrogate: M5PFHxA	*92.8 %*		*25-150*
Surrogate: M4PFHpA	*179 %*	PFSu-H	*25-150*
Surrogate: M3PFHxS	*115 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*85.7 %*		*25-150*
Surrogate: M6PFDA	*63.7 %*		*25-150*
Surrogate: M7PFUdA	*68.0 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*78.3 %*		*25-150*
Surrogate: M2PFTeDA	*65.3 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*88.0 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*70.7 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*192 %*	PFSu-H	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*57.4 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*118 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*58.9 %*		*25-150*
Surrogate: M2-6:2 FTS	*85.9 %*		*25-150*
Surrogate: M2-8:2 FTS	*77.4 %*		*25-150*
Surrogate: M9PFNA	*120 %*		*25-150*

Pesticides, 8081 NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/03/2021 13:31	03/05/2021 06:39	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/03/2021 13:31	03/05/2021 06:39	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/03/2021 13:31	03/05/2021 06:39	CM

Sample Information

Client Sample ID: EB30_7-8 **York Sample ID:** 21C0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 12:00 pm	03/02/2021

Pesticides, 8081 NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00168	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00168	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00168	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:39	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00168	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00168	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00168	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00168	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00168	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:39	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00168	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00168	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00168	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00168	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:39	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*120 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*102 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0170	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:55	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0170	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:55	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0170	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:55	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0170	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:55	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0170	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:55	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: EB30_7-8 **York Sample ID:** 21C0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 12:00 pm	03/02/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0170	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:55	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0170	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:55	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0170	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:55	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0170	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:55	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0170	1	EPA 8082A	03/03/2021 13:31	03/04/2021 17:55	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*90.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*85.0 %*	*30-120*

Herbicides, 8151 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	20.3	1	EPA 8151A	03/03/2021 06:44	03/03/2021 19:30	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*90.6 %*	*21-150*

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.54	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:15	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**56.8**		mg/kg dry	2.57	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:15	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.051	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:15	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.308	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:15	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**16.8**		mg/kg dry	0.514	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:15	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**16.5**		mg/kg dry	2.06	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:15	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**2.67**		mg/kg dry	0.514	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:15	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EB30_7-8 **York Sample ID:** 21C0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 12:00 pm	03/02/2021

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**461**		mg/kg dry	0.514	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:15	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**13.6**		mg/kg dry	1.03	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:15	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	2.57	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:15	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.514	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:15	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**18.2**		mg/kg dry	2.57	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:15	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0308	1	EPA 7473	03/03/2021 14:14	03/03/2021 19:02	BML
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.514	1	EPA 7196A	03/03/2021 08:50	03/03/2021 16:52	ALH
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**16.8**		mg/kg	0.500	1	Calculation	03/08/2021 12:21	03/08/2021 12:29	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.0103	1	EPA 9014/9010C	03/04/2021 08:41	03/04/2021 14:57	ALH
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **EB30_7-8** **York Sample ID:** **21C0044-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 12:00 pm	03/02/2021

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**97.3**		%	0.100	1	SM 2540G	03/03/2021 09:58	03/03/2021 13:30	OT
							Certifications: CTDOH			

Sample Information

Client Sample ID: DUP01_20210227 **York Sample ID:** 21C0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 10:25 am	03/02/2021

Volatiles, 8260 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.041	0.082	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0032**	J, B	mg/kg dry	0.0020	0.0082	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.020**		mg/kg dry	0.0041	0.0082	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0020	0.0082	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP01_20210227 **York Sample ID:** 21C0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 10:25 am	03/02/2021

Volatiles, 8260 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C	03/03/2021 06:47	03/03/2021 15:17	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.2 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	*76-130*

Semi-Volatiles, 8270 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP01_20210227 **York Sample ID:** 21C0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 10:25 am	03/02/2021

Semi-Volatiles, 8270 NYSDEC Part 375 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0451	0.0901	2	EPA 8270D	03/04/2021 07:12	03/04/2021 20:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*54.4 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*57.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*69.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*63.1 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*44.9 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*90.5 %*	*24-116*

Sample Information

Client Sample ID: DUP01_20210227 **York Sample ID:** 21C0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 10:25 am	03/02/2021

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.71	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/05/2021 07:28	03/05/2021 14:31	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*56.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL

Sample Information

Client Sample ID: DUP01_20210227 **York Sample ID:** 21C0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 10:25 am	03/02/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.514	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 06:35	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*243 %*	PFSu-H	*25-150*
Surrogate: M5PFHxA	*95.6 %*		*25-150*
Surrogate: M4PFHpA	*173 %*	PFSu-H	*25-150*
Surrogate: M3PFHxS	*116 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*87.6 %*		*25-150*
Surrogate: M6PFDA	*63.7 %*		*25-150*
Surrogate: M7PFUdA	*65.2 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*75.9 %*		*25-150*
Surrogate: M2PFTeDA	*64.4 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*96.6 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*69.4 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*207 %*	PFSu-H	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*56.0 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*119 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*64.3 %*		*25-150*
Surrogate: M2-6:2 FTS	*91.6 %*		*25-150*
Surrogate: M2-8:2 FTS	*69.9 %*		*25-150*
Surrogate: M9PFNA	*116 %*		*25-150*

Pesticides, 8081 NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/03/2021 13:31	03/05/2021 06:56	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/03/2021 13:31	03/05/2021 06:56	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/03/2021 13:31	03/05/2021 06:56	CM

Sample Information

Client Sample ID: DUP01_20210227 **York Sample ID:** 21C0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 10:25 am	03/02/2021

Pesticides, 8081 NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00178	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00178	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:56	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00178	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00178	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00178	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:56	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00178	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00178	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00178	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00178	5	EPA 8081B	03/03/2021 13:31	03/05/2021 06:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*96.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.7 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0179	1	EPA 8082A	03/03/2021 13:31	03/04/2021 18:09	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	1	EPA 8082A	03/03/2021 13:31	03/04/2021 18:09	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	1	EPA 8082A	03/03/2021 13:31	03/04/2021 18:09	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	1	EPA 8082A	03/03/2021 13:31	03/04/2021 18:09	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	1	EPA 8082A	03/03/2021 13:31	03/04/2021 18:09	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP01_20210227 **York Sample ID:** 21C0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 10:25 am	03/02/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	1	EPA 8082A	03/03/2021 13:31	03/04/2021 18:09	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	1	EPA 8082A	03/03/2021 13:31	03/04/2021 18:09	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0179	1	EPA 8082A	03/03/2021 13:31	03/04/2021 18:09	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0179	1	EPA 8082A	03/03/2021 13:31	03/04/2021 18:09	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	1	EPA 8082A	03/03/2021 13:31	03/04/2021 18:09	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*68.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*56.5 %*	*30-120*

Herbicides, 8151 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	21.6	1	EPA 8151A	03/03/2021 06:44	03/03/2021 19:41	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*67.2 %*	*21-150*

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**2.08**		mg/kg dry	1.64	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:18	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**32.4**		mg/kg dry	2.73	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:18	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:18	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.327	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:18	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**13.9**		mg/kg dry	0.545	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:18	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**14.6**		mg/kg dry	2.18	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:18	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**6.02**		mg/kg dry	0.545	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:18	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP01_20210227 **York Sample ID:** 21C0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 10:25 am	03/02/2021

Metals, NYSDEC Part 375

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**355**		mg/kg dry	0.545	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:18	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**15.9**		mg/kg dry	1.09	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:18	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	2.73	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:18	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.545	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:18	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**23.2**		mg/kg dry	2.73	1	EPA 6010D	03/03/2021 17:20	03/05/2021 16:18	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0327	1	EPA 7473	03/03/2021 14:14	03/03/2021 19:11	BML
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

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

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.545	1	EPA 7196A	03/03/2021 08:50	03/03/2021 16:52	ALH
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

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

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**13.9**		mg/kg	0.500	1	Calculation	03/08/2021 12:21	03/08/2021 12:29	PAM
							Certifications:			

Cyanide, Total

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

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.0109	1	EPA 9014/9010C	03/04/2021 08:41	03/04/2021 14:57	ALH
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

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

Sample Information

Client Sample ID: DUP01_20210227 **York Sample ID:** 21C0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Soil	February 27, 2021 10:25 am	03/02/2021

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.7		%	0.100	1	SM 2540G	03/03/2021 09:58	03/03/2021 13:30	OT
							Certifications: CTDOH			

Sample Information

Client Sample ID: **FB01_20210227** **York Sample ID:** **21C0044-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Water	February 27, 2021 12:20 pm	03/02/2021

Volatiles, 8260 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.770**	B	ug/L	0.200	1.00	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**3.01**		ug/L	1.00	2.00	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB01_20210227 **York Sample ID:** 21C0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Water	February 27, 2021 12:20 pm	03/02/2021

Volatiles, 8260 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	03/02/2021 06:47	03/02/2021 13:46	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.8 %*	*79-122*

Semi-Volatiles, 8270 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	03/04/2021 07:03	03/04/2021 16:42	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D	03/04/2021 07:03	03/04/2021 16:42	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D	03/04/2021 07:03	03/04/2021 16:42	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D	03/04/2021 07:03	03/04/2021 16:42	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: FB01_20210227 **York Sample ID:** 21C0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Water	February 27, 2021 12:20 pm	03/02/2021

Semi-Volatiles, 8270 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*40.2 %*			*19.7-63.1*						
4165-62-2	*Surrogate: SURR: Phenol-d5*	*26.1 %*			*10.1-41.7*						
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*67.8 %*			*50.2-113*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*64.3 %*			*39.9-105*						
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*92.8 %*			*39.3-151*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*95.9 %*			*30.7-106*						

Semi-Volatiles, 8270 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM	03/04/2021 07:03	03/05/2021 17:51	CD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM	03/04/2021 07:03	03/05/2021 17:51	CD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	03/04/2021 07:03	03/05/2021 17:51	CD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	03/04/2021 07:03	03/05/2021 17:51	CD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	03/04/2021 07:03	03/05/2021 17:51	CD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	03/04/2021 07:03	03/05/2021 17:51	CD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM	03/04/2021 07:03	03/05/2021 17:51	CD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	03/04/2021 07:03	03/05/2021 17:51	CD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM	03/04/2021 07:03	03/05/2021 17:51	CD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	03/04/2021 07:03	03/05/2021 17:51	CD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	03/04/2021 07:03	03/05/2021 17:51	CD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM	03/04/2021 07:03	03/05/2021 17:51	CD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM	03/04/2021 07:03	03/05/2021 17:51	CD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	03/04/2021 07:03	03/05/2021 17:51	CD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	0.0500	1	EPA 8270D SIM	03/04/2021 07:03	03/05/2021 17:51	CD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM	03/04/2021 07:03	03/05/2021 17:51	CD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		

Sample Information

Client Sample ID: FB01_20210227 **York Sample ID:** 21C0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Water	February 27, 2021 12:20 pm	03/02/2021

Semi-Volatiles, 8270 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM	03/04/2021 07:03	03/05/2021 17:51	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**0.0600**		ug/L	0.0500	1	EPA 8270D SIM	03/04/2021 07:03	03/05/2021 17:51	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM	03/05/2021 07:47	03/08/2021 11:13	KH
							Certifications: NJDEP,NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*84.0 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.84	1	EPA 537m	03/08/2021 18:46	03/10/2021 11:06	WL
							Certifications:			
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.84	1	EPA 537m	03/08/2021 18:46	03/10/2021 11:06	WL
							Certifications:			
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.84	1	EPA 537m	03/08/2021 18:46	03/10/2021 11:06	WL
							Certifications:			
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.84	1	EPA 537m	03/08/2021 18:46	03/10/2021 11:06	WL
							Certifications:			
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.84	1	EPA 537m	03/08/2021 18:46	03/10/2021 11:06	WL
							Certifications:			
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.84	1	EPA 537m	03/08/2021 18:46	03/10/2021 11:06	WL
							Certifications:			
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.84	1	EPA 537m	03/08/2021 18:46	03/10/2021 11:06	WL
							Certifications:			
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.84	1	EPA 537m	03/08/2021 18:46	03/10/2021 11:06	WL
							Certifications:			
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.84	1	EPA 537m	03/08/2021 18:46	03/10/2021 11:06	WL
							Certifications:			
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.84	1	EPA 537m	03/08/2021 18:46	03/10/2021 11:06	WL
							Certifications:			
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.84	1	EPA 537m	03/08/2021 18:46	03/10/2021 11:06	WL
							Certifications:			
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.84	1	EPA 537m	03/08/2021 18:46	03/10/2021 11:06	WL
							Certifications:			

Sample Information

Client Sample ID: FB01_20210227 **York Sample ID:** 21C0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Water	February 27, 2021 12:20 pm	03/02/2021

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

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	* N-MeFOSAA	ND		ng/L	1.84	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:06	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.84	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:06	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.84	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:06	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.84	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:06	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.84	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:06	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.84	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:06	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.60	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:06	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.84	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:06	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.84	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:06	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*93.9 %*	*25-150*
Surrogate: M5PFHxA	*92.0 %*	*25-150*
Surrogate: M4PFHpA	*88.6 %*	*25-150*
Surrogate: M3PFHxS	*88.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*85.1 %*	*25-150*
Surrogate: M6PFDA	*72.8 %*	*25-150*
Surrogate: M7PFUdA	*61.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*48.8 %*	*25-150*
Surrogate: M2PFTeDA	*27.4 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*91.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*81.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*101 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*29.2 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*36.6 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*33.2 %*	*25-150*
Surrogate: M2-6:2 FTS	*83.8 %*	*25-150*
Surrogate: M2-8:2 FTS	*79.0 %*	*25-150*
Surrogate: M9PFNA	*78.7 %*	*25-150*

Sample Information

Client Sample ID: FB01_20210227 **York Sample ID:** 21C0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Water	February 27, 2021 12:20 pm	03/02/2021

Pesticides, 8081 NYSDEC Part 375

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB01_20210227 **York Sample ID:** 21C0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Water	February 27, 2021 12:20 pm	03/02/2021

Pesticides, 8081 NYSDEC Part 375

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Chlordane, total (alpha, gamma)	ND		ug/L	0.0100	1	EPA 8081B	03/04/2021 12:41	03/05/2021 15:25	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*60.3 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*44.5 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A	03/04/2021 12:41	03/05/2021 14:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A	03/04/2021 12:41	03/05/2021 14:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A	03/04/2021 12:41	03/05/2021 14:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A	03/04/2021 12:41	03/05/2021 14:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A	03/04/2021 12:41	03/05/2021 14:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A	03/04/2021 12:41	03/05/2021 14:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A	03/04/2021 12:41	03/05/2021 14:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A	03/04/2021 12:41	03/05/2021 14:11	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*42.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*60.0 %*	*30-120*

Herbicides, 8151 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	03/05/2021 07:39	03/05/2021 17:46	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*63.8 %*	*30-150*

Metals, NYSDEC Part 375 - ICP/MS

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: FB01_20210227 **York Sample ID:** 21C0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Water	February 27, 2021 12:20 pm	03/02/2021

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B	03/05/2021 09:44	03/09/2021 15:19	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	ND		ug/L	1.11	1	EPA 6020B	03/05/2021 09:44	03/09/2021 15:19	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B	03/05/2021 09:44	03/09/2021 15:19	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B	03/05/2021 09:44	03/09/2021 15:19	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	ND		ug/L	1.11	1	EPA 6020B	03/05/2021 09:44	03/09/2021 15:19	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	ND		ug/L	1.11	1	EPA 6020B	03/05/2021 09:44	03/09/2021 15:19	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B	03/05/2021 09:44	03/09/2021 15:19	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	ND		ug/L	1.11	1	EPA 6020B	03/05/2021 09:44	03/09/2021 15:19	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		ug/L	1.11	1	EPA 6020B	03/05/2021 09:44	03/09/2021 15:19	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B	03/05/2021 09:44	03/09/2021 15:19	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B	03/05/2021 09:44	03/09/2021 15:19	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**7.71**		ug/L	1.11	1	EPA 6020B	03/05/2021 09:44	03/09/2021 15:19	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.00020**	B	mg/L	0.00020	1	EPA 7473	03/04/2021 17:28	03/04/2021 20:36	BR
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	1	EPA 7196A	03/03/2021 18:18	03/03/2021 21:32	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

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

Sample Information

Client Sample ID: FB01_20210227 **York Sample ID:** 21C0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Water	February 27, 2021 12:20 pm	03/02/2021

Chromium, Trivalent

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

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	03/08/2021 12:22	03/08/2021 12:29	PAM
							Certifications:			

Cyanide, Total

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

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E	03/03/2021 14:18	03/03/2021 20:14	ZTS
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: **TRIP BLANK** **York Sample ID:** **21C0044-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Water	February 27, 2021 12:30 pm	03/02/2021

Volatiles, 8260 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.750**	B	ug/L	0.200	1.00	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**1.66**		ug/L	1.00	2.00	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**1.52**		ug/L	1.00	2.00	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TRIP BLANK

York Sample ID: 21C0044-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C0044	170363501	Water	February 27, 2021 12:30 pm	03/02/2021

Volatiles, 8260 NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	03/02/2021 06:47	03/02/2021 12:53	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.7 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.1 %*	*79-122*

Analytical Batch Summary

Batch ID: BC10070 **Preparation Method:** Analysis Preparation **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-05	FB01_20210227	03/03/21
BC10070-BLK1	Blank	03/03/21
BC10070-BS1	LCS	03/03/21
BC10070-DUP1	Duplicate	03/03/21
BC10070-MS1	Matrix Spike	03/03/21

Batch ID: BC10096 **Preparation Method:** EPA 5030B **Prepared By:** MD

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-05	FB01_20210227	03/02/21
21C0044-06	TRIP BLANK	03/02/21
BC10096-BLK1	Blank	03/02/21
BC10096-BS1	LCS	03/02/21
BC10096-BSD1	LCS Dup	03/02/21

Batch ID: BC10097 **Preparation Method:** EPA 5035A **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-02	EB29_5.5-6.5	03/02/21
BC10097-BLK1	Blank	03/02/21
BC10097-BLK2	Blank	03/02/21
BC10097-BS1	LCS	03/02/21
BC10097-BSD1	LCS Dup	03/02/21

Batch ID: BC10156 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-01	EB28_14-15	03/03/21
21C0044-02	EB29_5.5-6.5	03/03/21
21C0044-03	EB30_7-8	03/03/21
21C0044-04	DUP01_20210227	03/03/21
BC10156-BLK1	Blank	03/03/21
BC10156-BS1	LCS	03/03/21
BC10156-MS1	Matrix Spike	03/03/21
BC10156-MSD1	Matrix Spike Dup	03/03/21

Batch ID: BC10172 **Preparation Method:** EPA SW846-3060 **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-01	EB28_14-15	03/03/21
21C0044-02	EB29_5.5-6.5	03/03/21
21C0044-03	EB30_7-8	03/03/21
21C0044-04	DUP01_20210227	03/03/21

BC10172-BLK1	Blank	03/03/21
BC10172-DUP1	Duplicate	03/03/21
BC10172-MS1	Matrix Spike	03/03/21
BC10172-MS2	Matrix Spike	03/03/21
BC10172-SRM1	Reference	03/03/21

Batch ID: BC10178 **Preparation Method:** % Solids Prep **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-01	EB28_14-15	03/03/21
21C0044-02	EB29_5.5-6.5	03/03/21
21C0044-03	EB30_7-8	03/03/21
21C0044-04	DUP01_20210227	03/03/21
BC10178-DUP1	Duplicate	03/03/21

Batch ID: BC10192 **Preparation Method:** EPA 5035A **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-03	EB30_7-8	03/03/21
21C0044-04	DUP01_20210227	03/03/21
BC10192-BLK1	Blank	03/03/21
BC10192-BLK2	Blank	03/03/21
BC10192-BLK3	Blank	03/03/21
BC10192-BLK4	Blank	03/03/21
BC10192-BS1	LCS	03/03/21
BC10192-BSD1	LCS Dup	03/03/21

Batch ID: BC10200 **Preparation Method:** EPA 3550C **Prepared By:** EM

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-01	EB28_14-15	03/03/21
21C0044-01	EB28_14-15	03/03/21
21C0044-02	EB29_5.5-6.5	03/03/21
21C0044-02	EB29_5.5-6.5	03/03/21
21C0044-03	EB30_7-8	03/03/21
21C0044-03	EB30_7-8	03/03/21
21C0044-04	DUP01_20210227	03/03/21
21C0044-04	DUP01_20210227	03/03/21
BC10200-BLK1	Blank	03/03/21
BC10200-BLK2	Blank	03/03/21
BC10200-BS1	LCS	03/03/21
BC10200-BS2	LCS	03/03/21
BC10200-MS1	Matrix Spike	03/03/21
BC10200-MS2	Matrix Spike	03/03/21
BC10200-MSD1	Matrix Spike Dup	03/03/21
BC10200-MSD2	Matrix Spike Dup	03/03/21

Batch ID: BC10203 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-01	EB28_14-15	03/03/21
21C0044-02	EB29_5.5-6.5	03/03/21
21C0044-03	EB30_7-8	03/03/21
21C0044-04	DUP01_20210227	03/03/21
BC10203-BLK1	Blank	03/03/21
BC10203-DUP1	Duplicate	03/03/21
BC10203-MS1	Matrix Spike	03/03/21
BC10203-SRM1	Reference	03/03/21

Batch ID: BC10205 **Preparation Method:** Analysis Preparation **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-05	FB01_20210227	03/03/21
BC10205-BLK1	Blank	03/03/21
BC10205-BS1	LCS	03/03/21
BC10205-DUP1	Duplicate	03/03/21
BC10205-MS1	Matrix Spike	03/03/21

Batch ID: BC10229 **Preparation Method:** EPA 3050B **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-01	EB28_14-15	03/03/21
21C0044-02	EB29_5.5-6.5	03/03/21
21C0044-03	EB30_7-8	03/03/21
21C0044-04	DUP01_20210227	03/03/21
BC10229-BLK1	Blank	03/03/21
BC10229-DUP1	Duplicate	03/03/21
BC10229-MS1	Matrix Spike	03/03/21
BC10229-PS1	Post Spike	03/03/21
BC10229-SRM1	Reference	03/03/21

Batch ID: BC10243 **Preparation Method:** EPA 3510C **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-05	FB01_20210227	03/04/21
BC10243-BLK1	Blank	03/04/21
BC10243-BLK2	Blank	03/04/21
BC10243-BS1	LCS	03/04/21
BC10243-BS2	LCS	03/04/21
BC10243-BSD1	LCS Dup	03/04/21

Batch ID: BC10246 **Preparation Method:** EPA 3546 SVOA **Prepared By:** S_K

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-01	EB28_14-15	03/04/21
21C0044-02	EB29_5.5-6.5	03/04/21
21C0044-03	EB30_7-8	03/04/21

21C0044-04	DUP01_20210227	03/04/21
BC10246-BLK1	Blank	03/04/21
BC10246-BS1	LCS	03/04/21
BC10246-MS1	Matrix Spike	03/04/21
BC10246-MSD1	Matrix Spike Dup	03/04/21

Batch ID: BC10254 **Preparation Method:** Analysis Preparation Soil **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-01	EB28_14-15	03/04/21
21C0044-02	EB29_5.5-6.5	03/04/21
21C0044-03	EB30_7-8	03/04/21
21C0044-04	DUP01_20210227	03/04/21
BC10254-BLK1	Blank	03/04/21
BC10254-DUP1	Duplicate	03/04/21
BC10254-MS1	Matrix Spike	03/04/21
BC10254-SRM1	Reference	03/04/21

Batch ID: BC10271 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** GO

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-05	FB01_20210227	03/04/21
21C0044-05	FB01_20210227	03/04/21
BC10271-BLK1	Blank	03/04/21
BC10271-BLK2	Blank	03/04/21
BC10271-BS1	LCS	03/04/21
BC10271-BS2	LCS	03/04/21
BC10271-BSD1	LCS Dup	03/04/21
BC10271-BSD2	LCS Dup	03/04/21

Batch ID: BC10282 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** SG

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-01	EB28_14-15	03/04/21
21C0044-02	EB29_5.5-6.5	03/04/21
21C0044-03	EB30_7-8	03/04/21
21C0044-04	DUP01_20210227	03/04/21
BC10282-BLK1	Blank	03/04/21
BC10282-BS1	LCS	03/04/21
BC10282-MS1	Matrix Spike	03/04/21
BC10282-MSD1	Matrix Spike Dup	03/04/21

Batch ID: BC10289 **Preparation Method:** EPA 5035A **Prepared By:** MD

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-01	EB28_14-15	03/04/21
BC10289-BLK1	Blank	03/04/21
BC10289-BS1	LCS	03/04/21
BC10289-BSD1	LCS Dup	03/04/21

BC10289-MS1	Matrix Spike	03/04/21
BC10289-MSD1	Matrix Spike Dup	03/04/21

Batch ID: BC10303 **Preparation Method:** EPA 7473 water **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-05	FB01_20210227	03/04/21
BC10303-BLK1	Blank	03/04/21
BC10303-BS1	LCS	03/04/21
BC10303-DUP1	Duplicate	03/04/21
BC10303-MS1	Matrix Spike	03/04/21

Batch ID: BC10316 **Preparation Method:** EPA 3550C **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-01	EB28_14-15	03/05/21
21C0044-02	EB29_5.5-6.5	03/05/21
21C0044-03	EB30_7-8	03/05/21
21C0044-04	DUP01_20210227	03/05/21
BC10316-BLK1	Blank	03/05/21
BC10316-BS1	LCS	03/05/21
BC10316-MS1	Matrix Spike	03/05/21
BC10316-MSD1	Matrix Spike Dup	03/05/21

Batch ID: BC10318 **Preparation Method:** EPA 8151A **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-05	FB01_20210227	03/05/21
BC10318-BLK1	Blank	03/05/21
BC10318-BS1	LCS	03/05/21
BC10318-BSD1	LCS Dup	03/05/21

Batch ID: BC10319 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-05	FB01_20210227	03/05/21
BC10319-BLK1	Blank	03/05/21
BC10319-BS1	LCS	03/05/21
BC10319-MS1	Matrix Spike	03/05/21
BC10319-MSD1	Matrix Spike Dup	03/05/21

Batch ID: BC10333 **Preparation Method:** EPA 3015A **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-05	FB01_20210227	03/05/21
BC10333-BLK1	Blank	03/05/21
BC10333-BS1	LCS	03/05/21
BC10333-DUP1	Duplicate	03/05/21

BC10333-MS1	Matrix Spike	03/05/21

Batch ID: BC10437 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-01	EB28_14-15	03/08/21
21C0044-02	EB29_5.5-6.5	03/08/21
21C0044-03	EB30_7-8	03/08/21
21C0044-04	DUP01_20210227	03/08/21

Batch ID: BC10438 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-05	FB01_20210227	03/08/21

Batch ID: BC10474 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** SG

YORK Sample ID	Client Sample ID	Preparation Date
21C0044-05	FB01_20210227	03/08/21
BC10474-BLK1	Blank	03/08/21
BC10474-BS1	LCS	03/08/21
BC10474-BSD1	LCS Dup	03/08/21

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10096 - EPA 5030B											
Blank (BC10096-BLK1) Blank									Prepared & Analyzed: 03/02/2021		
1,1,1-Trichloroethane	ND	0.500	ug/L								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	0.730	0.500	"								
Acetone	ND	2.00	"								
Benzene	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroform	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
sec-Butylbenzene	ND	0.500	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.90*		*"*	*10.0*		*99.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.92*		*"*	*10.0*		*99.2*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10096 - EPA 5030B											
LCS (BC10096-BS1) LCS							Prepared & Analyzed: 03/02/2021				
1,1,1-Trichloroethane	10.8		ug/L	10.0		108	78-136				
1,1-Dichloroethane	10.8		"	10.0		108	82-129				
1,1-Dichloroethylene	12.0		"	10.0		120	68-138				
1,2,4-Trimethylbenzene	11.0		"	10.0		110	82-132				
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123				
1,2-Dichloroethane	10.6		"	10.0		106	73-132				
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131				
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122				
1,4-Dichlorobenzene	10.0		"	10.0		100	85-124				
1,4-Dioxane	237		"	210		113	10-349				
2-Butanone	10.6		"	10.0		106	49-152				
Acetone	10.1		"	10.0		101	14-150				
Benzene	11.0		"	10.0		110	85-126				
Carbon tetrachloride	10.9		"	10.0		109	77-141				
Chlorobenzene	10.4		"	10.0		104	88-120				
Chloroform	10.8		"	10.0		108	82-128				
cis-1,2-Dichloroethylene	11.2		"	10.0		112	83-129				
Ethyl Benzene	11.0		"	10.0		110	80-131				
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	76-135				
Methylene chloride	11.6		"	10.0		116	55-137				
Naphthalene	9.18		"	10.0		91.8	70-147				
n-Butylbenzene	11.5		"	10.0		115	79-132				
n-Propylbenzene	11.0		"	10.0		110	78-133				
o-Xylene	10.9		"	10.0		109	78-130				
p- & m- Xylenes	22.4		"	20.0		112	77-133				
sec-Butylbenzene	11.8		"	10.0		118	79-137				
tert-Butylbenzene	9.30		"	10.0		93.0	77-138				
Tetrachloroethylene	10.1		"	10.0		101	82-131				
Toluene	10.7		"	10.0		107	80-127				
trans-1,2-Dichloroethylene	11.9		"	10.0		119	80-132				
Trichloroethylene	10.5		"	10.0		105	82-128				
Vinyl Chloride	12.0		"	10.0		120	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.88*		*"*	*10.0*		*98.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10096 - EPA 5030B											
LCS Dup (BC10096-BSD1) LCS Dup								Prepared & Analyzed: 03/02/2021			
1,1,1-Trichloroethane	10.3		ug/L	10.0		103	78-136		4.17	30	
1,1-Dichloroethane	10.6		"	10.0		106	82-129		2.25	30	
1,1-Dichloroethylene	11.5		"	10.0		115	68-138		4.93	30	
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132		3.90	30	
1,2-Dichlorobenzene	9.81		"	10.0		98.1	79-123		3.41	30	
1,2-Dichloroethane	10.6		"	10.0		106	73-132		0.00	30	
1,3,5-Trimethylbenzene	10.7		"	10.0		107	80-131		4.67	30	
1,3-Dichlorobenzene	9.89		"	10.0		98.9	86-122		2.69	30	
1,4-Dichlorobenzene	9.74		"	10.0		97.4	85-124		2.93	30	
1,4-Dioxane	237		"	210		113	10-349		0.219	30	
2-Butanone	10.8		"	10.0		108	49-152		1.68	30	
Acetone	10.7		"	10.0		107	14-150		5.10	30	
Benzene	10.7		"	10.0		107	85-126		2.59	30	
Carbon tetrachloride	10.6		"	10.0		106	77-141		2.33	30	
Chlorobenzene	10.2		"	10.0		102	88-120		1.75	30	
Chloroform	10.6		"	10.0		106	82-128		1.40	30	
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129		2.07	30	
Ethyl Benzene	10.8		"	10.0		108	80-131		2.66	30	
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	76-135		1.88	30	
Methylene chloride	11.3		"	10.0		113	55-137		2.27	30	
Naphthalene	9.09		"	10.0		90.9	70-147		0.985	30	
n-Butylbenzene	11.1		"	10.0		111	79-132		3.27	30	
n-Propylbenzene	10.4		"	10.0		104	78-133		6.09	30	
o-Xylene	10.7		"	10.0		107	78-130		1.85	30	
p- & m- Xylenes	21.8		"	20.0		109	77-133		2.45	30	
sec-Butylbenzene	11.2		"	10.0		112	79-137		5.31	30	
tert-Butylbenzene	8.79		"	10.0		87.9	77-138		5.64	30	
Tetrachloroethylene	9.82		"	10.0		98.2	82-131		3.11	30	
Toluene	10.4		"	10.0		104	80-127		3.41	30	
trans-1,2-Dichloroethylene	11.4		"	10.0		114	80-132		3.86	30	
Trichloroethylene	10.1		"	10.0		101	82-128		3.58	30	
Vinyl Chloride	11.2		"	10.0		112	58-145		7.42	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.95*		*"*	*10.0*		*99.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.88*		*"*	*10.0*		*98.8*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10097 - EPA 5035A											
Blank (BC10097-BLK1) Blank									Prepared & Analyzed: 03/02/2021		
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0060	0.0050	"								
Acetone	ND	0.010	"								
Benzene	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroform	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*47.9*		*ug/L*	*50.0*		*95.8*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.7*		*"*	*50.0*		*109*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.4*		*"*	*50.0*		*107*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10097 - EPA 5035A											
Blank (BC10097-BLK2) HOLDING BLANK- 21C0044								Prepared & Analyzed: 03/02/2021			
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0056	0.0050	"								
Acetone	ND	0.010	"								
Benzene	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroform	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.1*		*ug/L*	*50.0*		*98.2*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.6*		*"*	*50.0*		*109*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.3*		*"*	*50.0*		*107*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10097 - EPA 5035A											
LCS (BC10097-BS1) LCS							Prepared & Analyzed: 03/02/2021				
1,1,1-Trichloroethane	51.6		ug/L	50.0		103	70-130			30	
1,1-Dichloroethane	43.8		"	50.0		87.6	70-130			30	
1,1-Dichloroethylene	46.8		"	50.0		93.5	70-130			30	
1,2,4-Trimethylbenzene	57.6		"	50.0		115	84-125			30	
1,2-Dichlorobenzene	56.8		"	50.0		114	70-130			30	
1,2-Dichloroethane	43.9		"	50.0		87.8	70-130			30	
1,3,5-Trimethylbenzene	58.0		"	50.0		116	82-126			30	
1,3-Dichlorobenzene	56.5		"	50.0		113	70-130			30	
1,4-Dichlorobenzene	55.4		"	50.0		111	70-130			30	
1,4-Dioxane	1310		"	1050		125	40-160			30	
2-Butanone	45.4		"	50.0		90.8	40-160			30	
Acetone	30.9		"	50.0		61.8	40-160			30	
Benzene	50.3		"	50.0		101	70-130			30	
Carbon tetrachloride	53.2		"	50.0		106	70-130			30	
Chlorobenzene	54.1		"	50.0		108	70-130			30	
Chloroform	47.1		"	50.0		94.1	70-130			30	
cis-1,2-Dichloroethylene	45.8		"	50.0		91.5	70-130			30	
Ethyl Benzene	53.6		"	50.0		107	70-130			30	
Methyl tert-butyl ether (MTBE)	46.3		"	50.0		92.6	70-130			30	
Methylene chloride	42.8		"	50.0		85.6	70-130			30	
Naphthalene	54.2		"	50.0		108	86-141			30	
n-Butylbenzene	59.2		"	50.0		118	80-130			30	
n-Propylbenzene	54.2		"	50.0		108	74-136			30	
o-Xylene	52.3		"	50.0		105	70-130			30	
p- & m- Xylenes	109		"	100		109	70-130			30	
sec-Butylbenzene	60.3		"	50.0		121	83-125			30	
tert-Butylbenzene	51.3		"	50.0		103	80-127			30	
Tetrachloroethylene	51.0		"	50.0		102	70-130			30	
Toluene	51.5		"	50.0		103	70-130			30	
trans-1,2-Dichloroethylene	48.2		"	50.0		96.5	70-130			30	
Trichloroethylene	55.7		"	50.0		111	70-130			30	
Vinyl Chloride	56.4		"	50.0		113	70-130			30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*46.7*		*"*	*50.0*		*93.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.0*		*"*	*50.0*		*108*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.3*		*"*	*50.0*		*94.7*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10097 - EPA 5035A											
LCS Dup (BC10097-BSD1) LCS Dup							Prepared & Analyzed: 03/02/2021				
1,1,1-Trichloroethane	52.7		ug/L	50.0		105	70-130		1.99	30	
1,1-Dichloroethane	44.6		"	50.0		89.2	70-130		1.86	30	
1,1-Dichloroethylene	48.2		"	50.0		96.3	70-130		2.93	30	
1,2,4-Trimethylbenzene	58.5		"	50.0		117	84-125		1.69	30	
1,2-Dichlorobenzene	56.9		"	50.0		114	70-130		0.229	30	
1,2-Dichloroethane	44.8		"	50.0		89.6	70-130		2.03	30	
1,3,5-Trimethylbenzene	58.9		"	50.0		118	82-126		1.47	30	
1,3-Dichlorobenzene	56.6		"	50.0		113	70-130		0.159	30	
1,4-Dichlorobenzene	55.5		"	50.0		111	70-130		0.144	30	
1,4-Dioxane	1460		"	1050		139	40-160		11.2	30	
2-Butanone	46.4		"	50.0		92.8	40-160		2.14	30	
Acetone	33.1		"	50.0		66.2	40-160		6.94	30	
Benzene	51.3		"	50.0		103	70-130		1.95	30	
Carbon tetrachloride	53.9		"	50.0		108	70-130		1.23	30	
Chlorobenzene	55.0		"	50.0		110	70-130		1.74	30	
Chloroform	48.5		"	50.0		97.1	70-130		3.05	30	
cis-1,2-Dichloroethylene	46.7		"	50.0		93.3	70-130		1.99	30	
Ethyl Benzene	55.2		"	50.0		110	70-130		2.92	30	
Methyl tert-butyl ether (MTBE)	47.3		"	50.0		94.7	70-130		2.26	30	
Methylene chloride	43.7		"	50.0		87.4	70-130		2.06	30	
Naphthalene	54.7		"	50.0		109	86-141		0.992	30	
n-Butylbenzene	57.6		"	50.0		115	80-130		2.69	30	
n-Propylbenzene	55.5		"	50.0		111	74-136		2.41	30	
o-Xylene	53.7		"	50.0		107	70-130		2.68	30	
p- & m- Xylenes	112		"	100		112	70-130		2.37	30	
sec-Butylbenzene	61.2		"	50.0		122	83-125		1.56	30	
tert-Butylbenzene	51.8		"	50.0		104	80-127		1.01	30	
Tetrachloroethylene	51.3		"	50.0		103	70-130		0.508	30	
Toluene	53.0		"	50.0		106	70-130		2.82	30	
trans-1,2-Dichloroethylene	49.2		"	50.0		98.3	70-130		1.85	30	
Trichloroethylene	57.8		"	50.0		116	70-130		3.75	30	
Vinyl Chloride	57.5		"	50.0		115	70-130		2.02	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*46.8*		*"*	*50.0*		*93.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.4*		*"*	*50.0*		*109*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.8*		*"*	*50.0*		*95.6*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10192 - EPA 5035A											
Blank (BC10192-BLK1) Blank									Prepared & Analyzed: 03/03/2021		
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0042	0.0050	"								
Acetone	ND	0.010	"								
Benzene	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroform	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.1*		*ug/L*	*50.0*		*98.2*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.3*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.0*		*"*	*50.0*		*108*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10192 - EPA 5035A											
Blank (BC10192-BLK2) MEOH BLANK									Prepared & Analyzed: 03/03/2021		
1,1,1-Trichloroethane	ND	0.50	mg/kg wet								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	10	"								
2-Butanone	0.59	0.50	"								
Acetone	ND	1.0	"								
Benzene	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroform	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	1.0	"								
Naphthalene	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
sec-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.3*		*ug/L*	*50.0*		*98.5*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.5*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.3*		*"*	*50.0*		*105*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10192 - EPA 5035A											
Blank (BC10192-BLK3) HOLDING BLANK- 21C0110								Prepared & Analyzed: 03/03/2021			
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0048	0.0050	"								
Acetone	ND	0.010	"								
Benzene	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroform	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.8*		*ug/L*	*50.0*		*97.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.7*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.9*		*"*	*50.0*		*108*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10192 - EPA 5035A											
Blank (BC10192-BLK4) HOLDING BLANK- 21C044									Prepared & Analyzed: 03/03/2021		
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0054	0.0050	"								
Acetone	ND	0.010	"								
Benzene	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroform	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.1*		*ug/L*	*50.0*		*96.3*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.8*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.4*		*"*	*50.0*		*109*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10192 - EPA 5035A											
LCS (BC10192-BS1) LCS							Prepared & Analyzed: 03/03/2021				
1,1,1-Trichloroethane	48.2		ug/L	50.0		96.4	70-130			30	
1,1-Dichloroethane	47.1		"	50.0		94.2	70-130			30	
1,1-Dichloroethylene	53.4		"	50.0		107	70-130			30	
1,2,4-Trimethylbenzene	49.6		"	50.0		99.2	84-125			30	
1,2-Dichlorobenzene	50.1		"	50.0		100	70-130			30	
1,2-Dichloroethane	49.9		"	50.0		99.7	70-130			30	
1,3,5-Trimethylbenzene	50.9		"	50.0		102	82-126			30	
1,3-Dichlorobenzene	49.5		"	50.0		99.0	70-130			30	
1,4-Dichlorobenzene	49.6		"	50.0		99.1	70-130			30	
1,4-Dioxane	1330		"	1050		127	40-160			30	
2-Butanone	46.8		"	50.0		93.6	40-160			30	
Acetone	44.5		"	50.0		88.9	40-160			30	
Benzene	50.6		"	50.0		101	70-130			30	
Carbon tetrachloride	51.8		"	50.0		104	70-130			30	
Chlorobenzene	49.9		"	50.0		99.8	70-130			30	
Chloroform	50.6		"	50.0		101	70-130			30	
cis-1,2-Dichloroethylene	49.9		"	50.0		99.8	70-130			30	
Ethyl Benzene	50.5		"	50.0		101	70-130			30	
Methyl tert-butyl ether (MTBE)	53.9		"	50.0		108	70-130			30	
Methylene chloride	48.9		"	50.0		97.8	70-130			30	
Naphthalene	49.5		"	50.0		99.1	86-141			30	
n-Butylbenzene	53.9		"	50.0		108	80-130			30	
n-Propylbenzene	51.1		"	50.0		102	74-136			30	
o-Xylene	50.1		"	50.0		100	70-130			30	
p- & m- Xylenes	107		"	100		107	70-130			30	
sec-Butylbenzene	53.4		"	50.0		107	83-125			30	
tert-Butylbenzene	49.2		"	50.0		98.5	80-127			30	
Tetrachloroethylene	46.8		"	50.0		93.5	70-130			30	
Toluene	49.8		"	50.0		99.7	70-130			30	
trans-1,2-Dichloroethylene	52.6		"	50.0		105	70-130			30	
Trichloroethylene	51.6		"	50.0		103	70-130			30	
Vinyl Chloride	57.6		"	50.0		115	70-130			30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.3*		*"*	*50.0*		*98.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.8*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.0*		*"*	*50.0*		*100*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10192 - EPA 5035A											
LCS Dup (BC10192-BSD1) LCS Dup								Prepared & Analyzed: 03/03/2021			
1,1,1-Trichloroethane	48.5		ug/L	50.0		97.0	70-130		0.641	30	
1,1-Dichloroethane	47.5		"	50.0		95.1	70-130		0.888	30	
1,1-Dichloroethylene	53.2		"	50.0		106	70-130		0.413	30	
1,2,4-Trimethylbenzene	49.0		"	50.0		97.9	84-125		1.24	30	
1,2-Dichlorobenzene	50.6		"	50.0		101	70-130		0.994	30	
1,2-Dichloroethane	50.2		"	50.0		100	70-130		0.759	30	
1,3,5-Trimethylbenzene	50.4		"	50.0		101	82-126		0.986	30	
1,3-Dichlorobenzene	49.4		"	50.0		98.7	70-130		0.283	30	
1,4-Dichlorobenzene	49.5		"	50.0		99.1	70-130		0.0404	30	
1,4-Dioxane	1280		"	1050		122	40-160		4.06	30	
2-Butanone	49.6		"	50.0		99.1	40-160		5.73	30	
Acetone	47.4		"	50.0		94.8	40-160		6.36	30	
Benzene	50.2		"	50.0		100	70-130		0.972	30	
Carbon tetrachloride	51.5		"	50.0		103	70-130		0.562	30	
Chlorobenzene	49.9		"	50.0		99.9	70-130		0.0401	30	
Chloroform	50.4		"	50.0		101	70-130		0.495	30	
cis-1,2-Dichloroethylene	49.0		"	50.0		98.0	70-130		1.84	30	
Ethyl Benzene	50.1		"	50.0		100	70-130		0.895	30	
Methyl tert-butyl ether (MTBE)	54.4		"	50.0		109	70-130		0.850	30	
Methylene chloride	48.5		"	50.0		97.0	70-130		0.801	30	
Naphthalene	50.5		"	50.0		101	86-141		2.00	30	
n-Butylbenzene	51.8		"	50.0		104	80-130		3.95	30	
n-Propylbenzene	50.8		"	50.0		102	74-136		0.490	30	
o-Xylene	48.9		"	50.0		97.8	70-130		2.48	30	
p- & m- Xylenes	106		"	100		106	70-130		0.263	30	
sec-Butylbenzene	53.5		"	50.0		107	83-125		0.243	30	
tert-Butylbenzene	49.4		"	50.0		98.9	80-127		0.385	30	
Tetrachloroethylene	46.7		"	50.0		93.4	70-130		0.0856	30	
Toluene	49.7		"	50.0		99.4	70-130		0.342	30	
trans-1,2-Dichloroethylene	51.6		"	50.0		103	70-130		2.00	30	
Trichloroethylene	51.7		"	50.0		103	70-130		0.349	30	
Vinyl Chloride	56.0		"	50.0		112	70-130		2.73	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.5*		*"*	*50.0*		*98.9*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.6*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.1*		*"*	*50.0*		*100*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10289 - EPA 5035A											
Blank (BC10289-BLK1) Blank									Prepared & Analyzed: 03/04/2021		
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0058	0.0050	"								
Acetone	ND	0.010	"								
Benzene	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroform	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.2*		*ug/L*	*50.0*		*96.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.4*		*"*	*50.0*		*109*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.8*		*"*	*50.0*		*108*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10289 - EPA 5035A											
LCS (BC10289-BS1) LCS							Prepared & Analyzed: 03/04/2021				
1,1,1-Trichloroethane	39.9		ug/L	50.0		79.8	70-130			30	
1,1-Dichloroethane	35.5		"	50.0		70.9	70-130			30	
1,1-Dichloroethylene	38.2		"	50.0		76.3	70-130			30	
1,2,4-Trimethylbenzene	48.4		"	50.0		96.9	84-125			30	
1,2-Dichlorobenzene	45.7		"	50.0		91.5	70-130			30	
1,2-Dichloroethane	36.4		"	50.0		72.7	70-130			30	
1,3,5-Trimethylbenzene	48.9		"	50.0		97.9	82-126			30	
1,3-Dichlorobenzene	45.8		"	50.0		91.6	70-130			30	
1,4-Dichlorobenzene	45.3		"	50.0		90.6	70-130			30	
1,4-Dioxane	1110		"	1050		106	40-160			30	
2-Butanone	38.5		"	50.0		77.0	40-160			30	
Acetone	29.1		"	50.0		58.3	40-160			30	
Benzene	40.2		"	50.0		80.4	70-130			30	
Carbon tetrachloride	40.6		"	50.0		81.2	70-130			30	
Chlorobenzene	43.5		"	50.0		87.0	70-130			30	
Chloroform	38.2		"	50.0		76.3	70-130			30	
cis-1,2-Dichloroethylene	37.2		"	50.0		74.3	70-130			30	
Ethyl Benzene	44.0		"	50.0		88.0	70-130			30	
Methyl tert-butyl ether (MTBE)	40.1		"	50.0		80.3	70-130			30	
Methylene chloride	36.3		"	50.0		72.7	70-130			30	
Naphthalene	45.6		"	50.0		91.1	86-141			30	
n-Butylbenzene	50.8		"	50.0		102	80-130			30	
n-Propylbenzene	46.9		"	50.0		93.9	74-136			30	
o-Xylene	42.6		"	50.0		85.2	70-130			30	
p- & m- Xylenes	89.1		"	100		89.1	70-130			30	
sec-Butylbenzene	51.0		"	50.0		102	83-125			30	
tert-Butylbenzene	42.6		"	50.0		85.2	80-127			30	
Tetrachloroethylene	38.7		"	50.0		77.3	70-130			30	
Toluene	42.5		"	50.0		85.0	70-130			30	
trans-1,2-Dichloroethylene	39.4		"	50.0		78.7	70-130			30	
Trichloroethylene	45.9		"	50.0		91.8	70-130			30	
Vinyl Chloride	53.6		"	50.0		107	70-130			30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*46.7*		*"*	*50.0*		*93.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.6*		*"*	*50.0*		*109*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.5*		*"*	*50.0*		*101*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10289 - EPA 5035A											
LCS Dup (BC10289-BSD1) LCS Dup								Prepared & Analyzed: 03/04/2021			
1,1,1-Trichloroethane	48.4		ug/L	50.0		96.9	70-130		19.4	30	
1,1-Dichloroethane	42.2		"	50.0		84.5	70-130		17.5	30	
1,1-Dichloroethylene	44.9		"	50.0		89.8	70-130		16.2	30	
1,2,4-Trimethylbenzene	55.4		"	50.0		111	84-125		13.5	30	
1,2-Dichlorobenzene	53.7		"	50.0		107	70-130		16.0	30	
1,2-Dichloroethane	41.7		"	50.0		83.4	70-130		13.7	30	
1,3,5-Trimethylbenzene	56.0		"	50.0		112	82-126		13.5	30	
1,3-Dichlorobenzene	53.2		"	50.0		106	70-130		15.0	30	
1,4-Dichlorobenzene	52.8		"	50.0		106	70-130		15.2	30	
1,4-Dioxane	1390		"	1050		132	40-160		21.7	30	
2-Butanone	46.8		"	50.0		93.6	40-160		19.5	30	
Acetone	33.1		"	50.0		66.1	40-160		12.7	30	
Benzene	48.1		"	50.0		96.2	70-130		17.9	30	
Carbon tetrachloride	50.1		"	50.0		100	70-130		20.9	30	
Chlorobenzene	51.2		"	50.0		102	70-130		16.4	30	
Chloroform	44.8		"	50.0		89.6	70-130		16.1	30	
cis-1,2-Dichloroethylene	43.4		"	50.0		86.7	70-130		15.4	30	
Ethyl Benzene	51.3		"	50.0		103	70-130		15.2	30	
Methyl tert-butyl ether (MTBE)	47.0		"	50.0		94.1	70-130		15.8	30	
Methylene chloride	41.2		"	50.0		82.3	70-130		12.4	30	
Naphthalene	52.8		"	50.0		106	86-141		14.7	30	
n-Butylbenzene	55.7		"	50.0		111	80-130		9.24	30	
n-Propylbenzene	53.0		"	50.0		106	74-136		12.1	30	
o-Xylene	49.7		"	50.0		99.4	70-130		15.4	30	
p- & m- Xylenes	104		"	100		104	70-130		15.4	30	
sec-Butylbenzene	59.2		"	50.0		118	83-125		14.8	30	
tert-Butylbenzene	49.2		"	50.0		98.5	80-127		14.4	30	
Tetrachloroethylene	46.8		"	50.0		93.7	70-130		19.1	30	
Toluene	49.4		"	50.0		98.9	70-130		15.1	30	
trans-1,2-Dichloroethylene	46.2		"	50.0		92.3	70-130		15.9	30	
Trichloroethylene	52.7		"	50.0		105	70-130		13.8	30	
Vinyl Chloride	61.1		"	50.0		122	70-130		13.0	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*46.1*		*"*	*50.0*		*92.2*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.3*		*"*	*50.0*		*109*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.6*		*"*	*50.0*		*97.2*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10289 - EPA 5035A											
Matrix Spike (BC10289-MS1) Matrix Spike	*Source sample: 21C0044-01 (EB28_14-15)							Prepared & Analyzed: 03/04/2021			
1,1,1-Trichloroethane	31.8		ug/L	50.0	0.00	63.6	70-130	Low Bias		30	
1,1-Dichloroethane	28.9		"	50.0	0.00	57.8	70-130	Low Bias		30	
1,1-Dichloroethylene	30.7		"	50.0	0.00	61.3	70-130	Low Bias		30	
1,2,4-Trimethylbenzene	33.6		"	50.0	0.00	67.1	10-170			242	
1,2-Dichlorobenzene	30.6		"	50.0	0.00	61.3	70-130	Low Bias		30	
1,2-Dichloroethane	28.3		"	50.0	0.00	56.6	70-130	Low Bias		30	
1,3,5-Trimethylbenzene	34.2		"	50.0	0.00	68.5	10-150			62	
1,3-Dichlorobenzene	29.6		"	50.0	0.00	59.2	70-130	Low Bias		30	
1,4-Dichlorobenzene	28.5		"	50.0	0.00	57.0	70-130	Low Bias		30	
1,4-Dioxane	844		"	1050	0.00	80.4	40-160			30	
2-Butanone	31.5		"	50.0	5.00	53.0	40-160			30	
Acetone	23.5		"	50.0	0.00	47.0	40-160			30	
Benzene	32.7		"	50.0	0.00	65.4	70-130	Low Bias		30	
Carbon tetrachloride	31.2		"	50.0	0.00	62.3	70-130	Low Bias		30	
Chlorobenzene	32.1		"	50.0	0.00	64.1	70-130	Low Bias		30	
Chloroform	30.3		"	50.0	0.00	60.6	70-130	Low Bias		30	
cis-1,2-Dichloroethylene	28.5		"	50.0	0.00	57.0	70-130	Low Bias		30	
Ethyl Benzene	32.8		"	50.0	0.00	65.6	70-130	Low Bias		30	
Methyl tert-butyl ether (MTBE)	31.9		"	50.0	0.00	63.8	70-130	Low Bias		30	
Methylene chloride	30.8		"	50.0	0.00	61.7	70-130	Low Bias		30	
Naphthalene	32.4		"	50.0	0.00	64.9	10-158			95	
n-Butylbenzene	31.4		"	50.0	0.00	62.8	10-162			96	
n-Propylbenzene	33.3		"	50.0	0.00	66.6	10-155			56	
o-Xylene	31.8		"	50.0	0.00	63.6	70-130	Low Bias		30	
p- & m- Xylenes	64.2		"	100	0.00	64.2	70-130	Low Bias		30	
sec-Butylbenzene	37.4		"	50.0	0.00	74.9	10-157			56	
tert-Butylbenzene	32.3		"	50.0	0.00	64.6	10-160			79	
Tetrachloroethylene	28.4		"	50.0	0.00	56.7	70-130	Low Bias		30	
Toluene	32.4		"	50.0	0.00	64.9	70-130	Low Bias		30	
trans-1,2-Dichloroethylene	31.0		"	50.0	0.00	61.9	70-130	Low Bias		30	
Trichloroethylene	34.7		"	50.0	0.00	69.5	70-130	Low Bias		30	
Vinyl Chloride	41.0		"	50.0	0.00	82.0	70-130			30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*46.9*		*"*	*50.0*		*93.8*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.6*		*"*	*50.0*		*109*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.1*		*"*	*50.0*		*102*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10289 - EPA 5035A											
Matrix Spike Dup (BC10289-M Matrix Spike Dup	*Source sample: 21C0044-01 (EB28_14-15)								Prepared & Analyzed: 03/04/2021		
1,1,1-Trichloroethane	34.4		ug/L	50.0	0.00	68.8	70-130	Low Bias	7.76	30	
1,1-Dichloroethane	30.8		"	50.0	0.00	61.5	70-130	Low Bias	6.24	30	
1,1-Dichloroethylene	32.9		"	50.0	0.00	65.8	70-130	Low Bias	7.02	30	
1,2,4-Trimethylbenzene	34.0		"	50.0	0.00	68.0	10-170		1.24	242	
1,2-Dichlorobenzene	31.6		"	50.0	0.00	63.3	70-130	Low Bias	3.21	30	
1,2-Dichloroethane	30.2		"	50.0	0.00	60.5	70-130	Low Bias	6.70	30	
1,3,5-Trimethylbenzene	35.1		"	50.0	0.00	70.2	10-150		2.51	62	
1,3-Dichlorobenzene	29.8		"	50.0	0.00	59.5	70-130	Low Bias	0.505	30	
1,4-Dichlorobenzene	28.8		"	50.0	0.00	57.5	70-130	Low Bias	0.943	30	
1,4-Dioxane	1130		"	1050	0.00	108	40-160		29.1	30	
2-Butanone	33.1		"	50.0	5.00	56.1	40-160		4.83	30	
Acetone	23.4		"	50.0	0.00	46.9	40-160		0.256	30	
Benzene	34.4		"	50.0	0.00	68.8	70-130	Low Bias	4.95	30	
Carbon tetrachloride	33.9		"	50.0	0.00	67.7	70-130	Low Bias	8.37	30	
Chlorobenzene	33.5		"	50.0	0.00	67.0	70-130	Low Bias	4.36	30	
Chloroform	32.4		"	50.0	0.00	64.8	70-130	Low Bias	6.60	30	
cis-1,2-Dichloroethylene	30.4		"	50.0	0.00	60.8	70-130	Low Bias	6.38	30	
Ethyl Benzene	34.4		"	50.0	0.00	68.8	70-130	Low Bias	4.76	30	
Methyl tert-butyl ether (MTBE)	34.3		"	50.0	0.00	68.5	70-130	Low Bias	7.20	30	
Methylene chloride	31.0		"	50.0	0.00	61.9	70-130	Low Bias	0.356	30	
Naphthalene	33.2		"	50.0	0.00	66.5	10-158		2.44	95	
n-Butylbenzene	29.4		"	50.0	0.00	58.8	10-162		6.68	96	
n-Propylbenzene	34.2		"	50.0	0.00	68.3	10-155		2.49	56	
o-Xylene	33.3		"	50.0	0.00	66.6	70-130	Low Bias	4.55	30	
p- & m- Xylenes	67.2		"	100	0.00	67.2	70-130	Low Bias	4.45	30	
sec-Butylbenzene	38.7		"	50.0	0.00	77.4	10-157		3.34	56	
tert-Butylbenzene	33.8		"	50.0	0.00	67.6	10-160		4.45	79	
Tetrachloroethylene	29.8		"	50.0	0.00	59.6	70-130	Low Bias	4.88	30	
Toluene	34.4		"	50.0	0.00	68.8	70-130	Low Bias	5.84	30	
trans-1,2-Dichloroethylene	32.8		"	50.0	0.00	65.6	70-130	Low Bias	5.68	30	
Trichloroethylene	36.6		"	50.0	0.00	73.1	70-130		5.13	30	
Vinyl Chloride	44.2		"	50.0	0.00	88.3	70-130		7.40	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*47.6*		*"*	*50.0*		*95.2*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.5*		*"*	*50.0*		*109*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.8*		*"*	*50.0*		*102*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10243 - EPA 3510C											
Blank (BC10243-BLK1) Blank								Prepared & Analyzed: 03/04/2021			
2-Methylphenol	ND	5.00	ug/L								
3- & 4-Methylphenols	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Phenol	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	*22.1*		*"*	*50.0*		*44.3*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*14.1*		*"*	*50.0*		*28.3*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*17.5*		*"*	*25.0*		*70.2*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*17.6*		*"*	*25.0*		*70.3*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*47.9*		*"*	*50.0*		*95.8*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*23.5*		*"*	*25.0*		*94.2*	*30.7-106*				
Blank (BC10243-BLK2) Blank								Prepared: 03/04/2021 Analyzed: 03/05/2021			
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10243 - EPA 3510C											
LCS (BC10243-BS1) LCS								Prepared & Analyzed: 03/04/2021			
2-Methylphenol	15.7	5.00	ug/L	25.0		63.0	10-110				
3- & 4-Methylphenols	13.0	5.00	"	25.0		51.9	10-107				
Dibenzofuran	17.2	5.00	"	25.0		68.9	36-113				
Phenol	9.53	5.00	"	25.0		38.1	10-110				
Surrogate: SURR: 2-Fluorophenol	*25.1*		*"*	*50.0*		*50.3*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*17.0*		*"*	*50.0*		*34.0*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*19.1*		*"*	*25.0*		*76.4*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*18.8*		*"*	*25.0*		*75.4*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*56.4*		*"*	*50.0*		*113*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*26.7*		*"*	*25.0*		*107*	*30.7-106*				
LCS (BC10243-BS2) LCS								Prepared: 03/04/2021 Analyzed: 03/05/2021			
Acenaphthene	0.570	0.0500	ug/L	1.00		57.0	25-116				
Acenaphthylene	0.560	0.0500	"	1.00		56.0	26-116				
Anthracene	0.580	0.0500	"	1.00		58.0	25-123				
Benzo(a)anthracene	0.610	0.0500	"	1.00		61.0	33-125				
Benzo(a)pyrene	0.560	0.0500	"	1.00		56.0	32-132				
Benzo(b)fluoranthene	0.660	0.0500	"	1.00		66.0	22-137				
Benzo(g,h,i)perylene	0.770	0.0500	"	1.00		77.0	10-138				
Benzo(k)fluoranthene	0.620	0.0500	"	1.00		62.0	20-137				
Chrysene	0.660	0.0500	"	1.00		66.0	32-124				
Dibenzo(a,h)anthracene	0.730	0.0500	"	1.00		73.0	16-133				
Fluoranthene	0.700	0.0500	"	1.00		70.0	32-121				
Fluorene	0.640	0.0500	"	1.00		64.0	28-118				
Hexachlorobenzene	0.530	0.0200	"	1.00		53.0	23-124				
Indeno(1,2,3-cd)pyrene	0.710	0.0500	"	1.00		71.0	15-135				
Naphthalene	0.560	0.0500	"	1.00		56.0	18-120				
Pentachlorophenol	1.12	0.250	"	1.00		112	10-156				
Phenanthrene	0.610	0.0500	"	1.00		61.0	24-127				
Pyrene	0.540	0.0500	"	1.00		54.0	31-132				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10243 - EPA 3510C											
LCS Dup (BC10243-BSD1) LCS Dup							Prepared & Analyzed: 03/04/2021				
2-Methylphenol	12.6	5.00	ug/L	25.0		50.6	10-110		21.8	20	Non-dir.
3- & 4-Methylphenols	10.4	5.00	"	25.0		41.8	10-107		21.7	20	Non-dir.
Dibenzofuran	13.4	5.00	"	25.0		53.4	36-113		25.3	20	Non-dir.
Phenol	7.76	5.00	"	25.0		31.0	10-110		20.5	20	Non-dir.
Surrogate: SURR: 2-Fluorophenol	*20.5*		*"*	*50.0*		*41.1*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*13.6*		*"*	*50.0*		*27.1*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*15.1*		*"*	*25.0*		*60.5*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*15.2*		*"*	*25.0*		*60.8*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*45.2*		*"*	*50.0*		*90.4*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*23.3*		*"*	*25.0*		*93.0*	*30.7-106*				
Batch BC10246 - EPA 3546 SVOA											
Blank (BC10246-BLK1) Blank							Prepared & Analyzed: 03/04/2021				
2-Methylphenol	ND	0.0416	mg/kg wet								
3- & 4-Methylphenols	ND	0.0416	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Anthracene	ND	0.0416	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: 2-Fluorophenol	*0.951*		*"*	*1.66*		*57.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.971*		*"*	*1.66*		*58.4*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.600*		*"*	*0.831*		*72.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.527*		*"*	*0.831*		*63.5*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.766*		*"*	*1.66*		*46.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.693*		*"*	*0.831*		*83.5*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10246 - EPA 3546 SVOA											
LCS (BC10246-BS1) LCS							Prepared & Analyzed: 03/04/2021				
2-Methylphenol	0.504	0.0416	mg/kg wet	0.831		60.7	10-136				
3- & 4-Methylphenols	0.451	0.0416	"	0.831		54.3	29-103				
Acenaphthene	0.480	0.0416	"	0.831		57.8	30-121				
Acenaphthylene	0.509	0.0416	"	0.831		61.3	30-115				
Anthracene	0.499	0.0416	"	0.831		60.1	34-118				
Benzo(a)anthracene	0.584	0.0416	"	0.831		70.4	32-122				
Benzo(a)pyrene	0.494	0.0416	"	0.831		59.4	29-133				
Benzo(b)fluoranthene	0.530	0.0416	"	0.831		63.8	25-133				
Benzo(g,h,i)perylene	0.550	0.0416	"	0.831		66.2	10-143				
Benzo(k)fluoranthene	0.474	0.0416	"	0.831		57.1	25-128				
Chrysene	0.534	0.0416	"	0.831		64.3	32-123				
Dibenzo(a,h)anthracene	0.570	0.0416	"	0.831		68.6	10-136				
Dibenzofuran	0.515	0.0416	"	0.831		62.0	29-121				
Fluoranthene	0.531	0.0416	"	0.831		63.9	33-122				
Fluorene	0.503	0.0416	"	0.831		60.6	29-123				
Hexachlorobenzene	0.472	0.0416	"	0.831		56.9	21-124				
Indeno(1,2,3-cd)pyrene	0.549	0.0416	"	0.831		66.1	10-135				
Naphthalene	0.479	0.0416	"	0.831		57.7	23-124				
Pentachlorophenol	0.269	0.0416	"	0.831		32.4	10-139				
Phenanthrene	0.498	0.0416	"	0.831		60.0	33-123				
Phenol	0.511	0.0416	"	0.831		61.5	23-115				
Pyrene	0.584	0.0416	"	0.831		70.3	24-130				
Surrogate: SURR: 2-Fluorophenol	*1.03*		"	*1.66*		*61.8*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.04*		"	*1.66*		*62.7*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.607*		"	*0.831*		*73.1*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.556*		"	*0.831*		*66.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.20*		"	*1.66*		*72.3*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.755*		"	*0.831*		*90.9*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10246 - EPA 3546 SVOA											
Matrix Spike (BC10246-MS1) Matrix Spike	*Source sample: 21C0044-01 (EB28_14-15)							Prepared & Analyzed: 03/04/2021			
2-Methylphenol	0.489	0.0967	mg/kg dry	0.967	ND	50.6	10-136				
3- & 4-Methylphenols	0.450	0.0967	"	0.967	ND	46.6	10-123				
Acenaphthene	0.497	0.0967	"	0.967	ND	51.4	10-146				
Acenaphthylene	0.515	0.0967	"	0.967	ND	53.3	10-134				
Anthracene	0.495	0.0967	"	0.967	ND	51.2	10-142				
Benzo(a)anthracene	0.577	0.0967	"	0.967	ND	59.7	10-158				
Benzo(a)pyrene	0.517	0.0967	"	0.967	ND	53.5	10-180				
Benzo(b)fluoranthene	0.534	0.0967	"	0.967	ND	55.2	10-200				
Benzo(g,h,i)perylene	0.567	0.0967	"	0.967	ND	58.6	10-138				
Benzo(k)fluoranthene	0.500	0.0967	"	0.967	ND	51.8	10-197				
Chrysene	0.537	0.0967	"	0.967	ND	55.6	10-156				
Dibenzo(a,h)anthracene	0.566	0.0967	"	0.967	ND	58.6	10-137				
Dibenzofuran	0.524	0.0967	"	0.967	ND	54.2	10-147				
Fluoranthene	0.529	0.0967	"	0.967	ND	54.7	10-160				
Fluorene	0.506	0.0967	"	0.967	ND	52.4	10-157				
Hexachlorobenzene	0.476	0.0967	"	0.967	ND	49.3	10-137				
Indeno(1,2,3-cd)pyrene	0.555	0.0967	"	0.967	ND	57.4	10-144				
Naphthalene	0.479	0.0967	"	0.967	ND	49.6	10-141				
Pentachlorophenol	0.336	0.0967	"	0.967	ND	34.8	10-153				
Phenanthrene	0.497	0.0967	"	0.967	ND	51.4	10-148				
Phenol	0.541	0.0967	"	0.967	ND	56.0	10-126				
Pyrene	0.580	0.0967	"	0.967	ND	60.0	10-165				
Surrogate: SURR: 2-Fluorophenol	*0.982*		"	*1.93*		*50.8*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.04*		"	*1.93*		*53.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.599*		"	*0.967*		*61.9*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.548*		"	*0.967*		*56.7*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.11*		"	*1.93*		*57.4*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.721*		"	*0.967*		*74.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10246 - EPA 3546 SVOA											
Matrix Spike Dup (BC10246-M Matrix Spike Dup	*Source sample: 21C0044-01 (EB28_14-15)							Prepared & Analyzed: 03/04/2021			
2-Methylphenol	0.517	0.0967	mg/kg dry	0.967	ND	53.4	10-136		5.54	30	
3- & 4-Methylphenols	0.487	0.0967	"	0.967	ND	50.4	10-123		7.92	30	
Acenaphthene	0.507	0.0967	"	0.967	ND	52.5	10-146		2.00	30	
Acenaphthylene	0.540	0.0967	"	0.967	ND	55.8	10-134		4.69	30	
Anthracene	0.534	0.0967	"	0.967	ND	55.3	10-142		7.66	30	
Benzo(a)anthracene	0.620	0.0967	"	0.967	ND	64.2	10-158		7.24	30	
Benzo(a)pyrene	0.555	0.0967	"	0.967	ND	57.4	10-180		7.07	30	
Benzo(b)fluoranthene	0.578	0.0967	"	0.967	ND	59.8	10-200		7.93	30	
Benzo(g,h,i)perylene	0.616	0.0967	"	0.967	ND	63.7	10-138		8.24	30	
Benzo(k)fluoranthene	0.530	0.0967	"	0.967	ND	54.8	10-197		5.71	30	
Chrysene	0.586	0.0967	"	0.967	ND	60.6	10-156		8.67	30	
Dibenzo(a,h)anthracene	0.594	0.0967	"	0.967	ND	61.4	10-137		4.80	30	
Dibenzofuran	0.547	0.0967	"	0.967	ND	56.6	10-147		4.19	30	
Fluoranthene	0.583	0.0967	"	0.967	ND	60.3	10-160		9.74	30	
Fluorene	0.541	0.0967	"	0.967	ND	55.9	10-157		6.50	30	
Hexachlorobenzene	0.483	0.0967	"	0.967	ND	49.9	10-137		1.29	30	
Indeno(1,2,3-cd)pyrene	0.595	0.0967	"	0.967	ND	61.5	10-144		6.86	30	
Naphthalene	0.498	0.0967	"	0.967	ND	51.5	10-141		3.80	30	
Pentachlorophenol	0.380	0.0967	"	0.967	ND	39.3	10-153		12.1	30	
Phenanthrene	0.544	0.0967	"	0.967	ND	56.3	10-148		9.06	30	
Phenol	0.555	0.0967	"	0.967	ND	57.4	10-126		2.54	30	
Pyrene	0.627	0.0967	"	0.967	ND	64.9	10-165		7.82	30	
Surrogate: SURR: 2-Fluorophenol	*1.03*		"	*1.93*		*53.1*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.09*		"	*1.93*		*56.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.627*		"	*0.967*		*64.9*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.558*		"	*0.967*		*57.8*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.20*		"	*1.93*		*62.0*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.770*		"	*0.967*		*79.7*	*24-116*				

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

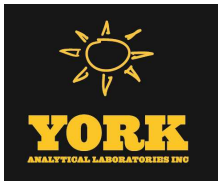
York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10316 - EPA 3550C												
Blank (BC10316-BLK1)	Blank								Prepared & Analyzed: 03/05/2021			
1,4-Dioxane		ND	9.90	ug/kg								
Surrogate: 1,4-Dioxane-d8		*248*		*"*	*495*		*50.0*	*39-127.5*				
LCS (BC10316-BS1)	LCS								Prepared & Analyzed: 03/05/2021			
1,4-Dioxane		478	9.90	ug/kg	495		96.6	40-130				
Surrogate: 1,4-Dioxane-d8		*287*		*"*	*495*		*58.0*	*39-127.5*				
Matrix Spike (BC10316-MS1)	Matrix Spike	*Source sample: 21C0044-01 (EB28_14-15)							Prepared & Analyzed: 03/05/2021			
1,4-Dioxane		474	9.90	ug/kg	495	ND	95.8	40-130				
Surrogate: 1,4-Dioxane-d8		*238*		*"*	*495*		*48.0*	*40-130*				
Matrix Spike Dup (BC10316-M	Matrix Spike Dup	*Source sample: 21C0044-01 (EB28_14-15)							Prepared & Analyzed: 03/05/2021			
1,4-Dioxane		495	9.90	ug/kg	495	ND	100	40-130		4.29	30	
Surrogate: 1,4-Dioxane-d8		*267*		*"*	*495*		*54.0*	*40-130*				
Batch BC10319 - EPA 3535A												
Blank (BC10319-BLK1)	Blank								Prepared: 03/05/2021 Analyzed: 03/08/2021			
1,4-Dioxane		ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8		*3.36*		*"*	*4.00*		*84.0*	*36.6-118*				
LCS (BC10319-BS1)	LCS								Prepared: 03/05/2021 Analyzed: 03/08/2021			
1,4-Dioxane		4.42	0.300	ug/L	4.00		110	50-130				
Surrogate: 1,4-Dioxane-d8		*3.04*		*"*	*4.00*		*76.0*	*36.6-118*				
Matrix Spike (BC10319-MS1)	Matrix Spike	*Source sample: 21C0044-05 (FB01_20210227)							Prepared: 03/05/2021 Analyzed: 03/08/2021			
1,4-Dioxane		4.62	0.300	ug/L	4.00	ND	116	50-130				
Surrogate: 1,4-Dioxane-d8		*3.04*		*"*	*4.00*		*76.0*	*50-130*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10319 - EPA 3535A											
Matrix Spike Dup (BC10319-M Matrix Spike Dup	*Source sample: 21C0044-05 (FB01_20210227)								Prepared: 03/05/2021 Analyzed: 03/08/2021		
1,4-Dioxane	5.06	0.300	ug/L	4.00	ND	126	50-130		8.93	30	
Surrogate: 1,4-Dioxane-d8	*3.04*		*"*	*4.00*		*76.0*	*50-130*				



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

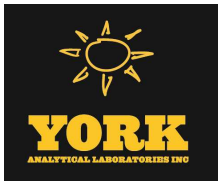
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC10282 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BC10282-BLK1) Blank — Prepared: 03/04/2021 Analyzed: 03/10/2021

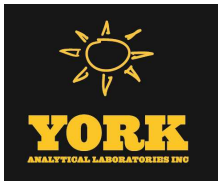
Perfluorobutanesulfonic acid (PFBS)	ND	0.467	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.467	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.467	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.467	"								
Perfluorooctanoic acid (PFOA)	ND	0.467	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.467	"								
Perfluorononanoic acid (PFNA)	ND	0.467	"								
Perfluorodecanoic acid (PFDA)	ND	0.467	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.467	"								
Perfluorododecanoic acid (PFDoA)	ND	0.467	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.467	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.467	"								
N-MeFOSAA	ND	0.467	"								
N-EtFOSAA	ND	0.467	"								
Perfluoropentanoic acid (PFPeA)	ND	0.467	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.467	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.467	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.467	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.467	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.467	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.467	"								
Surrogate: M5PFHxA	*3.70*		"	*4.67*		*79.3*	*25-150*				
Surrogate: M3PFHxS	*4.90*		"	*4.42*		*111*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.15*		"	*4.67*		*88.8*	*25-150*				
Surrogate: M6PFDA	*3.43*		"	*4.67*		*73.4*	*25-150*				
Surrogate: M7PFUdA	*3.19*		"	*4.67*		*68.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.80*		"	*4.67*		*81.5*	*25-150*				
Surrogate: M2PFTeDA	*3.45*		"	*4.67*		*74.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.28*		"	*4.67*		*70.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.34*		"	*4.47*		*74.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.28*		"	*4.67*		*70.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*6.14*		"	*4.67*		*131*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.32*		"	*4.67*		*71.1*	*25-150*				
Surrogate: M2-6:2 FTS	*3.89*		"	*4.43*		*87.8*	*25-150*				
Surrogate: M2-8:2 FTS	*4.15*		"	*4.47*		*92.7*	*25-150*				
Surrogate: M9PFNA	*6.11*		"	*4.67*		*131*	*25-150*				



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

York Analytical Laboratories, Inc.

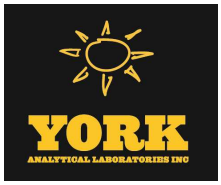
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10282 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BC10282-BS1) LCS								Prepared: 03/04/2021 Analyzed: 03/10/2021			
Perfluorohexanoic acid (PFHxA)	5.26	0.492	ug/kg wet	4.92		107	50-130				
Perfluorohexanesulfonic acid (PFHxS)	2.94	0.492	"	4.49		65.4	50-130				
Perfluorooctanoic acid (PFOA)	4.91	0.492	"	4.92		99.7	50-130				
Perfluorooctanesulfonic acid (PFOS)	3.97	0.492	"	4.56		87.2	50-130				
Perfluorononanoic acid (PFNA)	3.41	0.492	"	4.92		69.3	50-130				
Perfluorodecanoic acid (PFDA)	5.77	0.492	"	4.92		117	50-130				
Perfluoroundecanoic acid (PFUnA)	5.82	0.492	"	4.92		118	50-130				
Perfluorododecanoic acid (PFDoA)	4.96	0.492	"	4.92		101	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.85	0.492	"	4.92		98.4	50-130				
Perfluorotetradecanoic acid (PFTA)	5.90	0.492	"	4.92		120	50-130				
N-MeFOSAA	2.80	0.492	"	4.92		56.8	50-130				
N-EtFOSAA	5.37	0.492	"	4.92		109	50-130				
Perfluoropentanoic acid (PFPeA)	2.80	0.492	"	4.92		56.9	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	5.36	0.492	"	4.92		109	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.95	0.492	"	4.68		127	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.94	0.492	"	4.75		104	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.26	0.492	"	4.68		112	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.29	0.492	"	4.73		90.7	50-130				
Perfluoro-n-butanoic acid (PFBA)	6.14	0.492	"	4.92		125	50-130				
Surrogate: M5PFHxA	*4.16*		*"*	*4.92*		*84.4*	*25-150*				
Surrogate: M3PFHxS	*5.50*		*"*	*4.66*		*118*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.55*		*"*	*4.92*		*92.5*	*25-150*				
Surrogate: M6PFDA	*3.50*		*"*	*4.92*		*71.2*	*25-150*				
Surrogate: M7PFUdA	*3.20*		*"*	*4.92*		*64.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.92*		*"*	*4.92*		*79.6*	*25-150*				
Surrogate: M2PFTeDA	*3.37*		*"*	*4.92*		*68.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.92*		*"*	*4.92*		*79.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.62*		*"*	*4.71*		*76.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.16*		*"*	*4.92*		*64.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*6.39*		*"*	*4.92*		*130*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.21*		*"*	*4.92*		*65.2*	*25-150*				
Surrogate: M2-6:2 FTS	*4.46*		*"*	*4.67*		*95.4*	*25-150*				
Surrogate: M2-8:2 FTS	*4.42*		*"*	*4.72*		*93.7*	*25-150*				
Surrogate: M9PFNA	*6.28*		*"*	*4.92*		*128*	*25-150*				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10282 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BC10282-MS1) Matrix Spike *Source sample: 21C0044-01 (EB28_14-15)								Prepared: 03/04/2021 Analyzed: 03/10/2021			
Perfluorobutanesulfonic acid (PFBS)	2.16	0.558	ug/kg dry	4.93	ND	43.8	25-150				
Perfluorohexanoic acid (PFHxA)	5.86	0.558	"	5.58	ND	105	25-150				
Perfluoroheptanoic acid (PFHpA)	2.53	0.558	"	5.58	ND	45.4	25-150				
Perfluorohexanesulfonic acid (PFHxS)	3.20	0.558	"	5.09	ND	63.0	25-150				
Perfluorooctanoic acid (PFOA)	5.47	0.558	"	5.58	ND	98.1	25-150				
Perfluorooctanesulfonic acid (PFOS)	4.51	0.558	"	5.16	ND	87.4	25-150				
Perfluorononanoic acid (PFNA)	3.57	0.558	"	5.58	ND	64.1	25-150				
Perfluorodecanoic acid (PFDA)	6.52	0.558	"	5.58	ND	117	25-150				
Perfluoroundecanoic acid (PFUnA)	5.84	0.558	"	5.58	ND	105	25-150				
Perfluorododecanoic acid (PFDoA)	5.35	0.558	"	5.58	ND	95.9	25-150				
Perfluorotridecanoic acid (PFTrDA)	6.33	0.558	"	5.58	ND	114	25-150				
Perfluorotetradecanoic acid (PFTA)	6.22	0.558	"	5.58	ND	112	25-150				
N-MeFOSAA	2.83	0.558	"	5.58	ND	50.8	25-150				
N-EtFOSAA	5.99	0.558	"	5.58	ND	107	25-150				
Perfluoropentanoic acid (PFPeA)	2.96	0.558	"	5.58	ND	53.2	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.25	0.558	"	5.58	ND	94.1	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.97	0.558	"	5.30	ND	113	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	5.77	0.558	"	5.38	ND	107	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.87	0.558	"	5.30	ND	111	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.87	0.558	"	5.35	ND	91.0	25-150				
Perfluoro-n-butanoic acid (PFBA)	6.62	0.558	"	5.58	ND	119	25-150				
Surrogate: M5PFHxA	*5.03*		*"*	*5.58*		*90.3*	*25-150*				
Surrogate: M3PFHxS	*6.04*		*"*	*5.27*		*114*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.97*		*"*	*5.58*		*89.2*	*25-150*				
Surrogate: M6PFDA	*3.70*		*"*	*5.58*		*66.4*	*25-150*				
Surrogate: M7PFUdA	*3.89*		*"*	*5.58*		*69.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.68*		*"*	*5.58*		*83.9*	*25-150*				
Surrogate: M2PFTeDA	*3.93*		*"*	*5.58*		*70.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.62*		*"*	*5.58*		*82.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.97*		*"*	*5.34*		*74.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.56*		*"*	*5.58*		*63.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*7.58*		*"*	*5.58*		*136*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.59*		*"*	*5.58*		*64.4*	*25-150*				
Surrogate: M2-6:2 FTS	*4.96*		*"*	*5.29*		*93.8*	*25-150*				
Surrogate: M2-8:2 FTS	*4.43*		*"*	*5.34*		*83.0*	*25-150*				
Surrogate: M9PFNA	*6.72*		*"*	*5.58*		*121*	*25-150*				

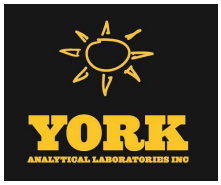


PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10282 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BC10282-M Matrix Spike Dup	*Source sample: 21C0044-01 (EB28_14-15)								Prepared: 03/04/2021 Analyzed: 03/10/2021		
Perfluorobutanesulfonic acid (PFBS)	2.30	0.575	ug/kg dry	5.08	ND	45.3	25-150		6.21	35	
Perfluorohexanoic acid (PFHxA)	6.08	0.575	"	5.75	ND	106	25-150		3.70	35	
Perfluoroheptanoic acid (PFHpA)	2.73	0.575	"	5.75	ND	47.6	25-150		7.64	35	
Perfluorohexanesulfonic acid (PFHxS)	3.27	0.575	"	5.24	ND	62.4	25-150		2.03	35	
Perfluorooctanoic acid (PFOA)	5.80	0.575	"	5.75	ND	101	25-150		5.93	35	
Perfluorooctanesulfonic acid (PFOS)	5.08	0.575	"	5.32	ND	95.5	25-150		11.8	35	
Perfluorononanoic acid (PFNA)	3.92	0.575	"	5.75	ND	68.2	25-150		9.23	35	
Perfluorodecanoic acid (PFDA)	6.70	0.575	"	5.75	ND	117	25-150		2.59	35	
Perfluoroundecanoic acid (PFUnA)	6.18	0.575	"	5.75	ND	108	25-150		5.56	35	
Perfluorododecanoic acid (PFDoA)	5.45	0.575	"	5.75	ND	94.9	25-150		1.97	35	
Perfluorotridecanoic acid (PFTrDA)	5.58	0.575	"	5.75	ND	97.1	25-150		12.6	35	
Perfluorotetradecanoic acid (PFTA)	6.64	0.575	"	5.75	ND	116	25-150		6.46	35	
N-MeFOSAA	3.39	0.575	"	5.75	ND	59.0	25-150		17.9	35	
N-EtFOSAA	6.55	0.575	"	5.75	ND	114	25-150		8.92	35	
Perfluoropentanoic acid (PFPeA)	3.15	0.575	"	5.75	ND	54.9	25-150		6.20	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.70	0.575	"	5.75	ND	99.1	25-150		8.20	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.77	0.575	"	5.46	ND	124	25-150		12.5	35	
Perfluoro-1-decanesulfonic acid (PFDS)	6.06	0.575	"	5.54	ND	109	25-150		4.88	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.86	0.575	"	5.46	ND	107	25-150		0.180	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.74	0.575	"	5.52	ND	86.0	25-150		2.74	35	
Perfluoro-n-butanoic acid (PFBA)	7.10	0.575	"	5.75	ND	124	25-150		7.03	35	
Surrogate: M5PFHxA	*5.53*		*"*	*5.75*		*96.2*	*25-150*				
Surrogate: M3PFHxS	*6.83*		*"*	*5.44*		*126*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.20*		*"*	*5.75*		*90.6*	*25-150*				
Surrogate: M6PFDA	*3.79*		*"*	*5.75*		*65.9*	*25-150*				
Surrogate: M7PFUdA	*3.66*		*"*	*5.75*		*63.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.28*		*"*	*5.75*		*74.5*	*25-150*				
Surrogate: M2PFTeDA	*3.84*		*"*	*5.75*		*66.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.24*		*"*	*5.75*		*91.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.00*		*"*	*5.50*		*72.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.59*		*"*	*5.75*		*62.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*6.85*		*"*	*5.75*		*119*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.34*		*"*	*5.75*		*58.1*	*25-150*				
Surrogate: M2-6:2 FTS	*5.58*		*"*	*5.45*		*102*	*25-150*				
Surrogate: M2-8:2 FTS	*4.80*		*"*	*5.50*		*87.3*	*25-150*				
Surrogate: M9PFNA	*7.15*		*"*	*5.75*		*124*	*25-150*				

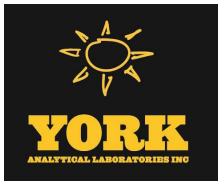
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10474 - SPE Ext-PFAS-EPA 537.1M											
Blank (BC10474-BLK1) Blank									Prepared: 03/08/2021 Analyzed: 03/10/2021		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*91.3*		"	*74.3*		*123*	*25-150*				
Surrogate: M5PFHxA	*93.3*		"	*80.0*		*117*	*25-150*				
Surrogate: M4PFHpA	*84.0*		"	*80.0*		*105*	*25-150*				
Surrogate: M3PFHxS	*84.6*		"	*75.7*		*112*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*83.0*		"	*80.0*		*104*	*25-150*				
Surrogate: M6PFDA	*75.3*		"	*80.0*		*94.1*	*25-150*				
Surrogate: M7PFUdA	*64.2*		"	*80.0*		*80.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*45.0*		"	*80.0*		*56.3*	*25-150*				
Surrogate: M2PFTeDA	*11.8*		"	*80.0*		*14.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*95.6*		"	*80.0*		*120*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*81.8*		"	*76.6*		*107*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*98.7*		"	*80.0*		*123*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*33.5*		"	*80.0*		*41.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*49.2*		"	*80.0*		*61.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*46.8*		"	*80.0*		*58.5*	*25-150*				
Surrogate: M2-6:2 FTS	*77.6*		"	*75.9*		*102*	*25-150*				
Surrogate: M2-8:2 FTS	*69.0*		"	*76.6*		*90.1*	*25-150*				
Surrogate: M9PFNA	*79.7*		"	*80.0*		*99.7*	*25-150*				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10474 - SPE Ext-PFAS-EPA 537.1M											
LCS (BC10474-BS1) LCS									Prepared: 03/08/2021 Analyzed: 03/10/2021		
Perfluorobutanesulfonic acid (PFBS)	68.8	2.00	ng/L	70.8		97.2	50-130				
Perfluorohexanoic acid (PFHxA)	78.9	2.00	"	80.0		98.6	50-130				
Perfluoroheptanoic acid (PFHpA)	79.0	2.00	"	80.0		98.8	50-130				
Perfluorohexanesulfonic acid (PFHxS)	59.5	2.00	"	73.0		81.5	50-130				
Perfluorooctanoic acid (PFOA)	78.8	2.00	"	80.0		98.5	50-130				
Perfluorooctanesulfonic acid (PFOS)	54.5	2.00	"	74.1		73.5	50-130				
Perfluorononanoic acid (PFNA)	79.0	2.00	"	80.0		98.7	50-130				
Perfluorodecanoic acid (PFDA)	80.3	2.00	"	80.0		100	50-130				
Perfluoroundecanoic acid (PFUnA)	79.8	2.00	"	80.0		99.7	50-130				
Perfluorododecanoic acid (PFDoA)	80.0	2.00	"	80.0		100	50-130				
Perfluorotridecanoic acid (PFTrDA)	66.0	2.00	"	80.0		82.5	50-130				
Perfluorotetradecanoic acid (PFTA)	79.5	2.00	"	80.0		99.4	50-130				
N-MeFOSAA	78.6	2.00	"	80.0		98.3	50-130				
N-EtFOSAA	84.5	2.00	"	80.0		106	50-130				
Perfluoropentanoic acid (PFPeA)	78.8	2.00	"	80.0		98.5	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	75.0	2.00	"	80.0		93.7	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	79.4	2.00	"	76.0		104	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	70.5	2.00	"	77.2		91.3	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	74.0	5.00	"	76.0		97.3	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	73.5	2.00	"	76.8		95.7	50-130				
Perfluoro-n-butanoic acid (PFBA)	79.3	2.00	"	80.0		99.1	50-130				
Surrogate: M3PFBS	*88.9*		"	*74.3*		*120*	*25-150*				
Surrogate: M5PFHxA	*89.5*		"	*80.0*		*112*	*25-150*				
Surrogate: M4PFHpA	*81.3*		"	*80.0*		*102*	*25-150*				
Surrogate: M3PFHxS	*84.3*		"	*75.7*		*111*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.1*		"	*80.0*		*100*	*25-150*				
Surrogate: M6PFDA	*74.6*		"	*80.0*		*93.2*	*25-150*				
Surrogate: M7PFUdA	*70.3*		"	*80.0*		*87.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*63.5*		"	*80.0*		*79.4*	*25-150*				
Surrogate: M2PFTeDA	*44.4*		"	*80.0*		*55.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*92.1*		"	*80.0*		*115*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*81.2*		"	*76.6*		*106*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*92.7*		"	*80.0*		*116*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*35.8*		"	*80.0*		*44.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*62.0*		"	*80.0*		*77.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*57.0*		"	*80.0*		*71.3*	*25-150*				
Surrogate: M2-6:2 FTS	*84.5*		"	*75.9*		*111*	*25-150*				
Surrogate: M2-8:2 FTS	*73.3*		"	*76.6*		*95.7*	*25-150*				
Surrogate: M9PFNA	*74.4*		"	*80.0*		*93.1*	*25-150*				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10474 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BC10474-BSD1) LCS Dup									Prepared: 03/08/2021 Analyzed: 03/10/2021		
Perfluorobutanesulfonic acid (PFBS)	70.3	2.00	ng/L	70.8		99.2	50-130		2.08	30	
Perfluorohexanoic acid (PFHxA)	77.5	2.00	"	80.0		96.9	50-130		1.77	30	
Perfluoroheptanoic acid (PFHpA)	77.9	2.00	"	80.0		97.3	50-130		1.50	30	
Perfluorohexanesulfonic acid (PFHxS)	59.9	2.00	"	73.0		82.1	50-130		0.698	30	
Perfluorooctanoic acid (PFOA)	78.6	2.00	"	80.0		98.3	50-130		0.198	30	
Perfluorooctanesulfonic acid (PFOS)	58.0	2.00	"	74.1		78.3	50-130		6.27	30	
Perfluorononanoic acid (PFNA)	79.2	2.00	"	80.0		99.0	50-130		0.304	30	
Perfluorodecanoic acid (PFDA)	77.9	2.00	"	80.0		97.4	50-130		3.04	30	
Perfluoroundecanoic acid (PFUnA)	77.6	2.00	"	80.0		96.9	50-130		2.81	30	
Perfluorododecanoic acid (PFDoA)	77.5	2.00	"	80.0		96.9	50-130		3.11	30	
Perfluorotridecanoic acid (PFTrDA)	58.0	2.00	"	80.0		72.5	50-130		13.0	30	
Perfluorotetradecanoic acid (PFTA)	80.0	2.00	"	80.0		100	50-130		0.639	30	
N-MeFOSAA	81.1	2.00	"	80.0		101	50-130		3.10	30	
N-EtFOSAA	84.3	2.00	"	80.0		105	50-130		0.287	30	
Perfluoropentanoic acid (PFPeA)	80.4	2.00	"	80.0		101	50-130		2.12	30	
Perfluoro-1-octanesulfonamide (FOSA)	77.2	2.00	"	80.0		96.5	50-130		2.95	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	83.8	2.00	"	76.0		110	50-130		5.37	30	
Perfluoro-1-decanesulfonic acid (PFDS)	66.3	2.00	"	77.2		85.9	50-130		6.13	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	79.1	5.00	"	76.0		104	50-130		6.74	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	74.4	2.00	"	76.8		96.9	50-130		1.26	30	
Perfluoro-n-butanoic acid (PFBA)	80.6	2.00	"	80.0		101	50-130		1.67	30	
Surrogate: M3PFBS	*87.0*		"	*74.3*		*117*	*25-150*				
Surrogate: M5PFHxA	*91.0*		"	*80.0*		*114*	*25-150*				
Surrogate: M4PFHpA	*83.8*		"	*80.0*		*105*	*25-150*				
Surrogate: M3PFHxS	*84.3*		"	*75.7*		*111*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*83.6*		"	*80.0*		*105*	*25-150*				
Surrogate: M6PFDA	*72.6*		"	*80.0*		*90.8*	*25-150*				
Surrogate: M7PFUdA	*67.5*		"	*80.0*		*84.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*56.6*		"	*80.0*		*70.8*	*25-150*				
Surrogate: M2PFTeDA	*27.2*		"	*80.0*		*34.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*91.5*		"	*80.0*		*114*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*77.6*		"	*76.6*		*101*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*91.5*		"	*80.0*		*114*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*40.3*		"	*80.0*		*50.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*56.5*		"	*80.0*		*70.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*50.9*		"	*80.0*		*63.6*	*25-150*				
Surrogate: M2-6:2 FTS	*80.8*		"	*75.9*		*106*	*25-150*				
Surrogate: M2-8:2 FTS	*71.2*		"	*76.6*		*92.9*	*25-150*				
Surrogate: M9PFNA	*73.4*		"	*80.0*		*91.7*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10200 - EPA 3550C											
Blank (BC10200-BLK1) Blank									Prepared: 03/03/2021 Analyzed: 03/04/2021		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Surrogate: Decachlorobiphenyl	*0.0782*		*"*	*0.0664*		*118*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0643*		*"*	*0.0664*		*96.8*	*30-150*				
LCS (BC10200-BS1) LCS									Prepared: 03/03/2021 Analyzed: 03/04/2021		
4,4'-DDD	0.0403	0.00164	mg/kg wet	0.0332		121	40-140				
4,4'-DDE	0.0280	0.00164	"	0.0332		84.2	40-140				
4,4'-DDT	0.0291	0.00164	"	0.0332		87.5	40-140				
Aldrin	0.0369	0.00164	"	0.0332		111	40-140				
alpha-BHC	0.0328	0.00164	"	0.0332		98.7	40-140				
alpha-Chlordane	0.0345	0.00164	"	0.0332		104	40-140				
beta-BHC	0.0335	0.00164	"	0.0332		101	40-140				
delta-BHC	0.0355	0.00164	"	0.0332		107	40-140				
Dieldrin	0.0361	0.00164	"	0.0332		109	40-140				
Endosulfan I	0.0416	0.00164	"	0.0332		125	40-140				
Endosulfan II	0.0385	0.00164	"	0.0332		116	40-140				
Endosulfan sulfate	0.0398	0.00164	"	0.0332		120	40-140				
Endrin	0.0328	0.00164	"	0.0332		98.7	40-140				
gamma-BHC (Lindane)	0.0350	0.00164	"	0.0332		105	40-140				
Heptachlor	0.0373	0.00164	"	0.0332		112	40-140				
Surrogate: Decachlorobiphenyl	*0.0747*		*"*	*0.0664*		*112*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0618*		*"*	*0.0664*		*92.9*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10200 - EPA 3550C											
Matrix Spike (BC10200-MS1) Matrix Spike	*Source sample: 21C0044-01 (EB28_14-15)								Prepared: 03/03/2021 Analyzed: 03/05/2021		
4,4'-DDD	0.0306	0.00191	mg/kg dry	0.0387	ND	79.2	30-150				
4,4'-DDE	0.0191	0.00191	"	0.0387	ND	49.5	30-150				
4,4'-DDT	0.0236	0.00191	"	0.0387	ND	61.0	30-150				
Aldrin	0.0216	0.00191	"	0.0387	ND	55.9	30-150				
alpha-BHC	0.0223	0.00191	"	0.0387	ND	57.6	30-150				
alpha-Chlordane	0.0223	0.00191	"	0.0387	ND	57.6	30-150				
beta-BHC	0.0238	0.00191	"	0.0387	ND	61.6	30-150				
delta-BHC	0.0347	0.00191	"	0.0387	ND	89.8	30-150				
Dieldrin	0.0319	0.00191	"	0.0387	ND	82.4	30-150				
Endosulfan I	0.0270	0.00191	"	0.0387	ND	69.9	30-150				
Endosulfan II	0.0255	0.00191	"	0.0387	ND	66.1	30-150				
Endosulfan sulfate	0.0266	0.00191	"	0.0387	ND	68.7	30-150				
Endrin	0.0219	0.00191	"	0.0387	ND	56.6	30-150				
gamma-BHC (Lindane)	0.0246	0.00191	"	0.0387	ND	63.5	30-150				
Heptachlor	0.0275	0.00191	"	0.0387	ND	71.2	30-150				
Surrogate: Decachlorobiphenyl	*0.0940*		*"*	*0.0773*		*122*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0791*		*"*	*0.0773*		*102*	*30-150*				
Matrix Spike Dup (BC10200-M Matrix Spike Dup	*Source sample: 21C0044-01 (EB28_14-15)								Prepared: 03/03/2021 Analyzed: 03/05/2021		
4,4'-DDD	0.0303	0.00191	mg/kg dry	0.0387	ND	78.4	30-150		0.984	30	
4,4'-DDE	0.0189	0.00191	"	0.0387	ND	49.0	30-150		1.02	30	
4,4'-DDT	0.0232	0.00191	"	0.0387	ND	60.0	30-150		1.71	30	
Aldrin	0.0208	0.00191	"	0.0387	ND	53.8	30-150		3.85	30	
alpha-BHC	0.0212	0.00191	"	0.0387	ND	54.8	30-150		5.03	30	
alpha-Chlordane	0.0217	0.00191	"	0.0387	ND	56.0	30-150		2.67	30	
beta-BHC	0.0230	0.00191	"	0.0387	ND	59.6	30-150		3.45	30	
delta-BHC	0.0345	0.00191	"	0.0387	ND	89.2	30-150		0.642	30	
Dieldrin	0.0319	0.00191	"	0.0387	ND	82.6	30-150		0.261	30	
Endosulfan I	0.0263	0.00191	"	0.0387	ND	68.0	30-150		2.73	30	
Endosulfan II	0.0250	0.00191	"	0.0387	ND	64.7	30-150		2.13	30	
Endosulfan sulfate	0.0261	0.00191	"	0.0387	ND	67.6	30-150		1.68	30	
Endrin	0.0218	0.00191	"	0.0387	ND	56.4	30-150		0.496	30	
gamma-BHC (Lindane)	0.0267	0.00191	"	0.0387	ND	69.0	30-150		8.17	30	
Heptachlor	0.0268	0.00191	"	0.0387	ND	69.3	30-150		2.77	30	
Surrogate: Decachlorobiphenyl	*0.0958*		*"*	*0.0773*		*124*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0785*		*"*	*0.0773*		*102*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10271 - EPA SW846-3510C Low Level											
Blank (BC10271-BLK1) Blank									Prepared: 03/04/2021 Analyzed: 03/05/2021		
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total (alpha, gamma)	ND	0.0100	"								
Surrogate: Decachlorobiphenyl	*0.0990*		*"*	*0.200*		*49.5*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.118*		*"*	*0.200*		*59.0*	*30-150*				
LCS (BC10271-BS1) LCS									Prepared: 03/04/2021 Analyzed: 03/05/2021		
4,4'-DDD	0.132	0.00400	ug/L	0.100		132	40-140				
4,4'-DDE	0.103	0.00400	"	0.100		103	40-140				
4,4'-DDT	0.121	0.00400	"	0.100		121	40-140				
Aldrin	0.0952	0.00400	"	0.100		95.2	40-140				
alpha-BHC	0.0977	0.00400	"	0.100		97.7	40-140				
alpha-Chlordane	0.0931	0.00400	"	0.100		93.1	40-140				
beta-BHC	0.116	0.00400	"	0.100		116	40-140				
delta-BHC	0.111	0.00400	"	0.100		111	40-140				
Dieldrin	0.114	0.00200	"	0.100		114	40-140				
Endosulfan I	0.111	0.00400	"	0.100		111	40-140				
Endosulfan II	0.127	0.00400	"	0.100		127	40-140				
Endosulfan sulfate	0.122	0.00400	"	0.100		122	40-140				
Endrin	0.114	0.00400	"	0.100		114	40-140				
Endrin aldehyde	0.113	0.0100	"	0.100		113	40-140				
Endrin ketone	0.132	0.0100	"	0.100		132	40-140				
gamma-BHC (Lindane)	0.105	0.00400	"	0.100		105	40-140				
gamma-Chlordane	0.104	0.0100	"	0.100		104	40-140				
Heptachlor	0.113	0.00400	"	0.100		113	40-140				
Heptachlor epoxide	0.107	0.00400	"	0.100		107	40-140				
Methoxychlor	0.120	0.00400	"	0.100		120	40-140				
Surrogate: Decachlorobiphenyl	*0.181*		*"*	*0.200*		*90.7*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.153*		*"*	*0.200*		*76.7*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10271 - EPA SW846-3510C Low Level											
LCS Dup (BC10271-BSD1) LCS Dup								Prepared: 03/04/2021 Analyzed: 03/05/2021			
4,4'-DDD	0.123	0.00400	ug/L	0.100		123	40-140		6.82	20	
4,4'-DDE	0.0921	0.00400	"	0.100		92.1	40-140		11.1	20	
4,4'-DDT	0.113	0.00400	"	0.100		113	40-140		7.40	20	
Aldrin	0.0767	0.00400	"	0.100		76.7	40-140		21.5	20	Non-dir.
alpha-BHC	0.0789	0.00400	"	0.100		78.9	40-140		21.2	20	Non-dir.
alpha-Chlordane	0.0823	0.00400	"	0.100		82.3	40-140		12.3	20	
beta-BHC	0.104	0.00400	"	0.100		104	40-140		11.4	20	
delta-BHC	0.0977	0.00400	"	0.100		97.7	40-140		12.9	20	
Dieldrin	0.101	0.00200	"	0.100		101	40-140		12.0	20	
Endosulfan I	0.0964	0.00400	"	0.100		96.4	40-140		14.1	20	
Endosulfan II	0.117	0.00400	"	0.100		117	40-140		8.13	20	
Endosulfan sulfate	0.114	0.00400	"	0.100		114	40-140		7.21	20	
Endrin	0.102	0.00400	"	0.100		102	40-140		11.1	20	
Endrin aldehyde	0.104	0.0100	"	0.100		104	40-140		7.76	20	
Endrin ketone	0.121	0.0100	"	0.100		121	40-140		8.11	20	
gamma-BHC (Lindane)	0.0851	0.00400	"	0.100		85.1	40-140		20.7	20	Non-dir.
gamma-Chlordane	0.0922	0.0100	"	0.100		92.2	40-140		12.3	20	
Heptachlor	0.0923	0.00400	"	0.100		92.3	40-140		19.9	20	
Heptachlor epoxide	0.0925	0.00400	"	0.100		92.5	40-140		14.4	20	
Methoxychlor	0.109	0.00400	"	0.100		109	40-140		9.51	20	
Surrogate: Decachlorobiphenyl	*0.162*		*"*	*0.200*		*80.9*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.127*		*"*	*0.200*		*63.3*	*30-150*				
Batch Y0L0501 - BL00027											
Performance Mix (Y0L0501-P Performance Mix								Prepared & Analyzed: 12/05/2020			
4,4'-DDD	4.16		ng/mL	0.00			0-200				
4,4'-DDE	1.04		"	0.00			0-200				
4,4'-DDT	182		"	200		91.2	0-200				
Endrin	97.9		"	100		97.9	0-200				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y1C0803 - BB11219											
Performance Mix (Y1C0803-P Performance Mix										Prepared & Analyzed: 03/05/2021	
4,4'-DDD	25.6		ng/mL	0.00			0-200				
4,4'-DDE	1.37		"	0.00			0-200				
4,4'-DDT	187		"	200		93.4	0-200				
Endrin	120		"	100		120	0-200				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10200 - EPA 3550C											
Blank (BC10200-BLK2) Blank									Prepared: 03/03/2021 Analyzed: 03/04/2021		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Aroclor 1262	ND	0.0166	"								
Aroclor 1268	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0551*		*"*	*0.0664*		*83.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0478*		*"*	*0.0664*		*72.0*	*30-120*				
LCS (BC10200-BS2) LCS									Prepared: 03/03/2021 Analyzed: 03/04/2021		
Aroclor 1016	0.248	0.0166	mg/kg wet	0.332		74.7	40-130				
Aroclor 1260	0.280	0.0166	"	0.332		84.4	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0518*		*"*	*0.0664*		*78.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0478*		*"*	*0.0664*		*72.0*	*30-120*				
Matrix Spike (BC10200-MS2) Matrix Spike *Source sample: 21C0044-01 (EB28_14-15)									Prepared: 03/03/2021 Analyzed: 03/05/2021		
Aroclor 1016	0.320	0.0193	mg/kg dry	0.387	ND	82.9	40-140				
Aroclor 1260	0.360	0.0193	"	0.387	ND	93.2	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0622*		*"*	*0.0773*		*80.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0626*		*"*	*0.0773*		*81.0*	*30-120*				
Matrix Spike Dup (BC10200-M Matrix Spike Dup *Source sample: 21C0044-01 (EB28_14-15)									Prepared: 03/03/2021 Analyzed: 03/05/2021		
Aroclor 1016	0.306	0.0193	mg/kg dry	0.387	ND	79.1	40-140		4.62	50	
Aroclor 1260	0.340	0.0193	"	0.387	ND	87.9	40-140		5.87	50	
Surrogate: Tetrachloro-m-xylene	*0.0611*		*"*	*0.0773*		*79.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0599*		*"*	*0.0773*		*77.5*	*30-120*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10271 - EPA SW846-3510C Low Level											
Blank (BC10271-BLK2) Blank								Prepared: 03/04/2021 Analyzed: 03/05/2021			
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.107*		*"*	*0.200*		*53.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0750*		*"*	*0.200*		*37.5*	*30-120*				
LCS (BC10271-BS2) LCS								Prepared: 03/04/2021 Analyzed: 03/05/2021			
Aroclor 1016	0.709	0.0500	ug/L	1.00		70.9	40-120				
Aroclor 1260	0.855	0.0500	"	1.00		85.5	40-120				
Surrogate: Tetrachloro-m-xylene	*0.115*		*"*	*0.200*		*57.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.111*		*"*	*0.200*		*55.5*	*30-120*				
LCS Dup (BC10271-BSD2) LCS Dup								Prepared: 03/04/2021 Analyzed: 03/05/2021			
Aroclor 1016	0.730	0.0500	ug/L	1.00		73.0	40-120		2.95	30	
Aroclor 1260	0.985	0.0500	"	1.00		98.5	40-120		14.1	30	
Surrogate: Tetrachloro-m-xylene	*0.115*		*"*	*0.200*		*57.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.125*		*"*	*0.200*		*62.5*	*30-120*				
Batch Y1C0435 - BC10200											
Aroclor Reference (Y1C0435- Aroclor Reference								Prepared & Analyzed: 03/04/2021			
Surrogate: Tetrachloro-m-xylene	*0.206*		*ug/mL*	*0.200*		*103*					
Surrogate: Decachlorobiphenyl	*0.203*		*"*	*0.200*		*102*					

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y1C0523 - BC10317											
Aroclor Reference (Y1C0523- Aroclor Reference										Prepared & Analyzed: 03/05/2021	
Surrogate: Tetrachloro-m-xylene	*0.206*		*ug/mL*	*0.200*		*103*					
Surrogate: Decachlorobiphenyl	*0.216*		*"*	*0.200*		*108*					

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10156 - EPA 3550C/8151A											
Blank (BC10156-BLK1) Blank								Prepared & Analyzed: 03/03/2021			
2,4,5-TP (Silvex)	ND	19.9	ug/kg wet								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*336*		*"*	*415*		*80.8*	*21-150*				
LCS (BC10156-BS1) LCS								Prepared & Analyzed: 03/03/2021			
2,4,5-TP (Silvex)	82.2	19.9	ug/kg wet	133		61.9	10-120				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*327*		*"*	*415*		*78.8*	*21-150*				
Matrix Spike (BC10156-MS1) Matrix Spike *Source sample: 21C0044-01 (EB28_14-15)								Prepared & Analyzed: 03/03/2021			
2,4,5-TP (Silvex)	66.7	23.2	ug/kg dry	155	ND	43.1	10-120				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*325*		*"*	*483*		*67.2*	*21-150*				
Matrix Spike Dup (BC10156-M Matrix Spike Dup *Source sample: 21C0044-01 (EB28_14-15)								Prepared & Analyzed: 03/03/2021			
2,4,5-TP (Silvex)	73.5	23.2	ug/kg dry	155	ND	47.5	10-120		9.66	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*363*		*"*	*483*		*75.2*	*21-150*				
Batch BC10318 - EPA 8151A											
Blank (BC10318-BLK1) Blank								Prepared & Analyzed: 03/05/2021			
2,4,5-TP (Silvex)	ND	5.00	ug/L								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*90.8*		*"*	*125*		*72.6*	*30-150*				
LCS (BC10318-BS1) LCS								Prepared & Analyzed: 03/05/2021			
2,4,5-TP (Silvex)	19.2	5.00	ug/L	40.0		48.1	10-139				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*81.8*		*"*	*125*		*65.4*	*30-150*				
LCS Dup (BC10318-BSD1) LCS Dup								Prepared & Analyzed: 03/05/2021			
2,4,5-TP (Silvex)	22.2	5.00	ug/L	40.0		55.6	10-139		14.5	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*89.2*		*"*	*125*		*71.4*	*30-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10229 - EPA 3050B											
Blank (BC10229-BLK1) Blank									Prepared: 03/03/2021 Analyzed: 03/04/2021		
Arsenic	ND	1.50	mg/kg wet								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Chromium	ND	0.500	"								
Copper	ND	2.00	"								
Lead	ND	0.500	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Zinc	ND	2.50	"								
Duplicate (BC10229-DUP1) Duplicate *Source sample: 21C0044-01 (EB28_14-15)									Prepared: 03/03/2021 Analyzed: 03/05/2021		
Arsenic	ND	1.75	mg/kg dry		ND					35	
Barium	43.1	2.91	"		50.9				16.6	35	
Beryllium	ND	0.058	"		ND					35	
Cadmium	ND	0.349	"		ND					35	
Chromium	14.8	0.582	"		15.6				5.55	35	
Copper	11.8	2.33	"		12.3				4.24	35	
Lead	5.41	0.582	"		5.72				5.55	35	
Manganese	362	0.582	"		380				4.71	35	
Nickel	12.6	1.16	"		12.6				0.295	35	
Selenium	ND	2.91	"		ND					35	
Silver	ND	0.582	"		ND					35	
Zinc	23.0	2.91	"		24.2				4.78	35	
Matrix Spike (BC10229-MS1) Matrix Spike *Source sample: 21C0044-01 (EB28_14-15)									Prepared: 03/03/2021 Analyzed: 03/05/2021		
Arsenic	243	1.75	mg/kg dry	233	ND	104	75-125				
Barium	305	2.91	"	233	50.9	109	75-125				
Beryllium	5.14	0.058	"	5.82	ND	88.4	75-125				
Cadmium	6.17	0.349	"	5.82	ND	106	75-125				
Chromium	39.5	0.582	"	23.3	15.6	103	75-125				
Copper	46.7	2.33	"	29.1	12.3	118	75-125				
Lead	69.7	0.582	"	58.2	5.72	110	75-125				
Manganese	427	0.582	"	58.2	380	80.4	75-125				
Nickel	78.0	1.16	"	58.2	12.6	112	75-125				
Selenium	208	2.91	"	233	ND	89.5	75-125				
Silver	1.09	0.582	"	5.82	ND	18.8	75-125	Low Bias			
Zinc	91.3	2.91	"	58.2	24.2	115	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10229 - EPA 3050B											
Post Spike (BC10229-PS1) Post Spike	*Source sample: 21C0044-01 (EB28_14-15)							Prepared: 03/03/2021 Analyzed: 03/05/2021			
Arsenic	2.11		ug/mL	2.00	0.010	105	75-125				
Barium	2.52		"	2.00	0.437	104	75-125				
Beryllium	0.045		"	0.0500	-0.006	89.2	75-125				
Cadmium	0.053		"	0.0500	0.0008	105	75-125				
Chromium	0.330		"	0.200	0.134	98.1	75-125				
Copper	0.358		"	0.250	0.106	101	75-125				
Lead	0.592		"	0.500	0.049	109	75-125				
Manganese	3.72		"	0.500	3.26	90.9	75-125				
Nickel	0.655		"	0.500	0.108	109	75-125				
Selenium	1.84		"	2.00	-0.083	91.8	75-125				
Silver	0.011		"	0.0500	-0.027	21.4	75-125	Low Bias			
Zinc	0.722		"	0.500	0.208	103	75-125				
Reference (BC10229-SRM1) Reference								Prepared: 03/03/2021 Analyzed: 03/04/2021			
Arsenic	178	1.50	mg/kg wet	162		110	70.1-129.8				
Barium	150	2.50	"	138		109	75-125				
Beryllium	169	0.050	"	157		107	75-125.2				
Cadmium	145	0.300	"	135		108	74.8-125.2				
Chromium	126	0.500	"	117		107	70.1-129.9				
Copper	158	2.00	"	143		110	75.3-125.3				
Lead	78.7	0.500	"	77.6		101	70-130				
Manganese	338	0.500	"	319		106	78.1-122				
Nickel	94.7	1.00	"	79.9		118	70.1-130.1				
Selenium	158	2.50	"	172		91.6	55.7-144.5				
Silver	25.8	0.500	"	24.7		105	69.2-130.8				
Zinc	338	2.50	"	312		108	69.9-130.1				

Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10333 - EPA 3015A											
Blank (BC10333-BLK1) Blank								Prepared: 03/05/2021 Analyzed: 03/09/2021			
Arsenic	ND	1.11	ug/L								
Barium	ND	1.11	"								
Beryllium	ND	0.333	"								
Cadmium	ND	0.556	"								
Chromium	ND	1.11	"								
Copper	ND	1.11	"								
Lead	ND	1.11	"								
Manganese	ND	1.11	"								
Nickel	ND	1.11	"								
Selenium	ND	1.11	"								
Silver	ND	1.11	"								
Zinc	ND	1.11	"								
LCS (BC10333-BS1) LCS								Prepared: 03/05/2021 Analyzed: 03/09/2021			
Arsenic	46.0		ug/L	50.0		92.1	80-120				
Barium	50.7		"	50.0		101	80-120				
Beryllium	37.1		"	50.0		74.2	80-120	Low Bias			
Cadmium	43.2		"	50.0		86.4	80-120				
Chromium	44.6		"	50.0		89.2	80-120				
Copper	43.2		"	50.0		86.3	80-120				
Lead	45.2		"	50.0		90.4	80-120				
Manganese	46.1		"	50.0		92.2	80-120				
Nickel	42.3		"	50.0		84.6	80-120				
Selenium	45.8		"	50.0		91.7	80-120				
Silver	37.7		"	50.0		75.3	80-120	Low Bias			
Zinc	44.0		"	50.0		88.1	80-120				
Duplicate (BC10333-DUP1) Duplicate	*Source sample: 21C0201-04 (Duplicate)							Prepared: 03/05/2021 Analyzed: 03/09/2021			
Arsenic	ND	1.11	ug/L		ND					20	
Barium	41.5	1.11	"		43.4				4.50	20	
Beryllium	ND	0.333	"		ND					20	
Cadmium	2.54	0.556	"		2.54				0.0765	20	
Chromium	1.74	1.11	"		1.70				2.27	20	
Copper	33.9	1.11	"		35.0				3.30	20	
Lead	39.0	1.11	"		38.6				1.14	20	
Manganese	16.1	1.11	"		15.7				2.72	20	
Nickel	6.09	1.11	"		6.09				0.124	20	
Selenium	2.18	1.11	"		3.11				35.3	20	Non-dir.
Silver	ND	1.11	"		ND					20	
Zinc	920	1.11	"		928				0.897	20	

Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10333 - EPA 3015A											
Matrix Spike (BC10333-MS1) Matrix Spike	*Source sample: 21C0201-04 (Matrix Spike)							Prepared: 03/05/2021 Analyzed: 03/09/2021			
Arsenic	48.7		ug/L	50.0	0.801	95.8	75-125				
Barium	85.4		"	50.0	39.1	92.6	75-125				
Beryllium	33.3		"	50.0	0.002	66.6	75-125	Low Bias			
Cadmium	45.3		"	50.0	2.28	86.1	75-125				
Chromium	45.8		"	50.0	1.53	88.5	75-125				
Copper	72.8		"	50.0	31.5	82.5	75-125				
Lead	76.8		"	50.0	34.7	84.1	75-125				
Manganese	58.6		"	50.0	14.1	89.0	75-125				
Nickel	45.8		"	50.0	5.48	80.7	75-125				
Selenium	52.8		"	50.0	2.80	99.9	75-125				
Silver	40.0		"	50.0	-0.007	79.9	75-125				
Zinc	863		"	50.0	836	55.1	75-125	Low Bias			

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

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10203 - EPA 7473 soil												
Blank (BC10203-BLK1)	Blank								Prepared & Analyzed: 03/03/2021			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BC10203-DUP1)	Duplicate	*Source sample: 21C0044-01 (EB28_14-15)							Prepared & Analyzed: 03/03/2021			
Mercury		ND	0.0349	mg/kg dry		ND					35	
Matrix Spike (BC10203-MS1)	Matrix Spike	*Source sample: 21C0044-01 (EB28_14-15)							Prepared & Analyzed: 03/03/2021			
Mercury		0.449		mg/kg	0.500	0.00510	88.8	75-125				
Reference (BC10203-SRM1)	Reference								Prepared & Analyzed: 03/03/2021			
Mercury		23.370		mg/kg	27.2		85.9	59.9-140.1				
Batch BC10303 - EPA 7473 water												
Blank (BC10303-BLK1)	Blank								Prepared & Analyzed: 03/04/2021			
Mercury		0.00030	0.00020	mg/L								
LCS (BC10303-BS1)	LCS								Prepared & Analyzed: 03/04/2021			
Mercury		0.0114		mg/L	0.0100		114	80-120				
Duplicate (BC10303-DUP1)	Duplicate	*Source sample: 21C0175-03 (Duplicate)							Prepared & Analyzed: 03/04/2021			
Mercury		0.000200	0.00020	mg/L		0.000200				0.00	20	
Matrix Spike (BC10303-MS1)	Matrix Spike	*Source sample: 21C0175-03 (Matrix Spike)							Prepared & Analyzed: 03/04/2021			
Mercury		0.00570		mg/L	0.0100	0.00020	55.0	75-125	Low Bias			

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10070 - Analysis Preparation												
Blank (BC10070-BLK1)	Blank								Prepared & Analyzed: 03/03/2021			
Chromium, Hexavalent		ND	0.0100	mg/L								
LCS (BC10070-BS1)	LCS								Prepared & Analyzed: 03/03/2021			
Chromium, Hexavalent		0.520	0.0100	mg/L	0.500		104	80-120				
Duplicate (BC10070-DUP1)	Duplicate	*Source sample: 21C0175-03 (Duplicate)							Prepared & Analyzed: 03/03/2021			
Chromium, Hexavalent		ND	0.0100	mg/L		ND					20	
Matrix Spike (BC10070-MS1)	Matrix Spike	*Source sample: 21C0175-03 (Matrix Spike)							Prepared & Analyzed: 03/03/2021			
Chromium, Hexavalent		0.593	0.0100	mg/L	0.500	ND	119	75-125				
Batch BC10172 - EPA SW846-3060												
Blank (BC10172-BLK1)	Blank								Prepared & Analyzed: 03/03/2021			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BC10172-DUP1)	Duplicate	*Source sample: 21C0044-01 (EB28_14-15)							Prepared & Analyzed: 03/03/2021			
Chromium, Hexavalent		ND	0.582	mg/kg dry		ND					35	
Matrix Spike (BC10172-MS1)	Matrix Spike	*Source sample: 21C0044-01 (EB28_14-15)							Prepared & Analyzed: 03/03/2021			
Chromium, Hexavalent		18.0	0.582	mg/kg dry	23.3	ND	77.2	75-125				
Matrix Spike (BC10172-MS2)	Matrix Spike	*Source sample: 21C0044-01 (EB28_14-15)							Prepared & Analyzed: 03/03/2021			
Chromium, Hexavalent		16.1	0.582	mg/kg dry	23.3	ND	69.0	75-125	Low Bias			
Reference (BC10172-SRM1)	Reference								Prepared & Analyzed: 03/03/2021			
Chromium, Hexavalent		45.9		mg/L	109		42.1	30-169.7				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10205 - Analysis Preparation												
Blank (BC10205-BLK1)	Blank									Prepared & Analyzed: 03/03/2021		
Cyanide, total		ND	0.0100	mg/L								
LCS (BC10205-BS1)	LCS									Prepared & Analyzed: 03/03/2021		
Cyanide, total		0.197	0.0100	mg/L	0.200		98.3	76.2-107				
Duplicate (BC10205-DUP1)	Duplicate	*Source sample: 21C0129-01 (Duplicate)								Prepared & Analyzed: 03/03/2021		
Cyanide, total		ND	0.0100	mg/L		ND					15	
Matrix Spike (BC10205-MS1)	Matrix Spike	*Source sample: 21C0129-01 (Matrix Spike)								Prepared & Analyzed: 03/03/2021		
Cyanide, total		0.146	0.0100	mg/L	0.200	ND	73.2	79-105	Low Bias			
Batch BC10254 - Analysis Preparation Soil												
Blank (BC10254-BLK1)	Blank									Prepared & Analyzed: 03/04/2021		
Cyanide, total		ND	0.0100	mg/kg wet								
Duplicate (BC10254-DUP1)	Duplicate	*Source sample: 21C0044-01 (EB28_14-15)								Prepared & Analyzed: 03/04/2021		
Cyanide, total		ND	0.0116	mg/kg dry		ND					15	
Matrix Spike (BC10254-MS1)	Matrix Spike	*Source sample: 21C0044-01 (EB28_14-15)								Prepared & Analyzed: 03/04/2021		
Cyanide, total		0.154	0.0116	mg/kg dry	0.233	ND	65.9	79.6-107	Low Bias			
Reference (BC10254-SRM1)	Reference									Prepared & Analyzed: 03/04/2021		
Cyanide, total		55.7		ug/mL	91.9		60.6	42.22-159.96				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10178 - % Solids Prep											
Duplicate (BC10178-DUP1) Duplicate	*Source sample: 21C0044-01 (EB28_14-15)							Prepared & Analyzed: 03/03/2021			
% Solids	86.5	0.100	%		85.9				0.608	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21C0044-01	EB28_14-15	8 oz. WM Clear Glass Cool to 4° C
21C0044-02	EB29_5.5-6.5	40mL Vial with Stir Bar-Cool 4° C
21C0044-03	EB30_7-8	40mL Vial with Stir Bar-Cool 4° C
21C0044-04	DUP01_20210227	40mL Vial with Stir Bar-Cool 4° C
21C0044-05	FB01_20210227	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0044-06	TRIP BLANK	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

M-SRD1	The serial dilution for this element was outside control limits.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
HT-02	NON-COMPLIANT-This sample was received outside the EPA recommended holding time.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-CRL	The RL check for this element recovered outside of control limits.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
VOA-Re	VOA sample for re-run was taken from a bulk sample container noncompliant with SW-846 5035A due to a depletion of a proper vial during analysis. Results below 200 ug/Kg may be biased low.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QM-01	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
S-08	The recovery of this surrogate was outside of QC limits.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference

Wet — The data has been reported on an as-received (wet weight) basis

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

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

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 21C0044

YOUR Information	Report To:	Invoice To:
Company: LANGAN ENGINEERING	Company: SAME	Company: SAME
Address: 360 W 31ST STREET NEW YORK, NY 10001	Address:	Address:
Phone.: 551-404-5597	Phone.:	Phone.:
Contact: ALBERT TASHJI	Contact:	Contact:
E-mail: ATASHJI@LANGAN.com	E-mail:	E-mail: TSCHIEFER@LANGAN.COM

YOUR Project Number: 170363501

YOUR Project Name: 173-175 CHRISTOPHER STREET

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day) ✓

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

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

Matrix Codes

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

Samples From

New York ✓; New Jersey; Connecticut; Pennsylvania; Other

Report / EDD Type (circle selections)

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

YORK Reg. Comp.

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EB28_14-15 *	S	2/27/21 0905	PART 375 VOC's, SVOC's, PESTICIDES, HERBICIDES, PCB's METALS, CN, HEX/TRI CHROMIUM, PFAS, 1,4-DIOXANE (SIM ANALYSIS)	
EB29_5.5-6.5	S	1020		
EB30_7-8	S	1200		
DUP01_20210227	S	1025		
FB01_20210227	AQ	1220		
TRIP BLANK	AQ	1230	VOC's	

Comments:

* SAMPLE EB28_14-15 FOR MS/MSD

Include Data Management@Langan for all deliverables

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
[illegible]	3/1/2021 12:50	York	3/1/21 12:50	York	
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
[illegible]	3/2/21 1110	[illegible]	3/2/21 1955		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				[illegible]	3/2/2021 1955 / 2.3 Degrees C

ATTACHMENT 3

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Memorandum

1818 Market Street, Suite 3300 Philadelphia, PA 19103 T: 215.845.8900 F: 215.845.8901
Mailing Address: 1818 Market Street, Suite 3300 Philadelphia, PA 19103

To: Albert Tashji, Langan Environmental Project Manager

From: Joe Conboy, Langan Staff Chemist

Date: March 19, 2021

Re: Data Usability Summary Report
For 173-175 Christopher Street
February 2021 Soil Samples
Langan Project No.: 170363501

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of Soil samples collected in February 2021 by Langan Engineering and Environmental Services ("Langan") at the 173-175 Christopher Street site ("the site"). The samples were analyzed by York Laboratories, Inc. (NYSDOH NELAP registration # 10854) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), per- and polyfluoroalkyl substances (PFAS), herbicides, polychlorinated biphenyls (PCBs), pesticides, metals including mercury (Hg), cyanide (CN), hexavalent chromium (CrVI), trivalent chromium (CrIII), and total solids (%S) by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D and 8270D SIM
- PFAS by USEPA Method 537M
- Herbicides by SW-846 Method 8151A
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Metals by SW-846 Method 6020B
- Metals by SW-846 Method 6010D
- Mercury by SW-846 Method 7473
- Cyanide by SW-846 Method 9014/9010C
- Hexavalent Chromium by SW-846 Method 7196A
- Trivalent Chromium (calculated)
- Total Solids by Standard Method 2540G

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with USEPA Region II Standard Operating Procedure (SOP) #HW-34A, "Trace Volatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-33A, "Low/Medium Volatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-35A, "Semivolatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-17, "Validating Chlorinated Herbicides" (December 2010, Revision 3.1), USEPA Region II SOP #HW-37A, "Polychlorinated Biphenyl (PCB) Aroclor Data Validation" (June 2015, Revision 0), USEPA Region II SOP #HW-36A, "Pesticide Data Validation" (October 2016, Revision 1), USEPA Region II SOP #HW-3a, "ICP-AES Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-3b, "ICP-MS Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-3c, "Mercury and Cyanide Data Validation" (September 2016, Revision 1), the USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA-540-R-2017-002, January 2017), the USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA-540-R-2017-001, January 2017) and the specifics of the methods employed.

EPA Method 537 was developed and validated for the analysis of finished drinking water from surface water and groundwater sources. Laboratories have modified Method 537 to enable the analysis of groundwater and soil, and to incorporate PFAS analytes not currently addressed by the promulgated method. NYSDOH offers certification for PFOA and PFOS in the drinking water category. Non-potable water and soil certification is not available; however, the method describes acceptable modifications. EPA recommends that modified methods be assessed relative to project goals and data quality objectives.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum include holding times, sample preservation, sample extraction and digestion, instrument tuning, instrument calibration, laboratory blanks, laboratory control samples, system monitoring compounds, internal standard area counts, isotope dilution recoveries, matrix spike/spike duplicate recoveries, target compound identification and quantification, chromatograms, overall system performance, serial dilutions, dual column performance, field duplicate, and field blank sample results.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA's guidelines and best professional judgment:

- **R –** The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
- **J –** The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- **UJ –** The analyte was not detected at a level greater than or equal to the reporting limit (RL); however, the reported RL is approximate and may be inaccurate or imprecise.
- **U –** The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- **NJ –** The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are not sufficiently valid and technically supportable to be used for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified and listed in Table 2 (attached).

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

VOCs by SW-846 Method 8260C

21C0044

The trip blank (TB) (TRIP BLANK_20210227) exhibited a detection of methylene chloride (1.52 ug/l). The associated results in sample EB29_5.5-6.5 and EB30_7-8 are qualified as "U" at the reporting limit based on potential blank contamination.

The TB and field blank (FB) (TRIP BLANK_20210227 and FB01_20210227) exhibited detections of methyl ethyl ketone (2-butanone) (0.750 ug/l and 0.770 ug/l, respectively). The associated results in samples DUP01_20210227, EB28_14-15, EB29_5.5-6.5, and EB30_7-8 are qualified as "U" at the reporting limit based on potential blank contamination.

The initial calibration (ICAL) for instrument QVOA4 exhibited a response factor (RF) below the control limit for trichloroethylene (0.1994). The associated results in samples EB30_7-8 and DUP01_20210227 are qualified as "UJ" based on potential indeterminate bias.

The ICAL for instrument QVOA1 exhibited a RF below the control limit for trichloroethylene (0.1749633). The associated results in sample EB28_14-15 and EB29_5.5-6.5 are qualified as "UJ" based on potential indeterminate bias.

SVOCs by SW-846 Method 8270D and 8270D SIM

21C0044

The continuing calibration verification (CCV) analyzed on 3/4/2021 at 11:14 exhibited a RF below the control limit for trichloroethylene (0.1903953). The associated results were previously qualified. No further action is necessary.

The CCV analyzed on 3/4/2021 at 11:14 exhibited percent drifts (%Ds) above the control limit for 1,2-dichloroethane (-21.7%) and methylene chloride (-23.2%). The associated results in sample EB28_14-15 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 3/2/2021 at 10:00 exhibited a RF below the control limit for trichloroethylene (0.1761047). The associated results in sample EB28_14-15 were previously qualified. No further action is necessary.

The CCV analyzed on 3/2/2021 at 10:00 exhibited %Ds above the control limit for 1,4-dioxane (33.9%) and tetrachloroethylene (52%). The associated results in sample EB29_5.5-6.5 are qualified as "UJ" based on potential indeterminate bias.

Cyanide by SW-846 Method 9014/9010C

21C0044

The matrix spike (MS) performed on sample EB28_14-15 exhibited a percent recovery below the lower control limit (LCL) for total cyanide (65.9%). The associated results in sample EB28_14-15 are qualified as "UJ" based on potential low bias.

Hexavalent Chromium by SW-846 Method 7196A

21C0044

The MS performed on sample EB28_14-15 exhibited a percent recovery below the LCL for hexavalent chromium (69%). The associated results in sample EB28_14-15 are qualified as "UJ" based on potential low bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

VOCs by SW-846 Method 8260C

21C0044

The TB (TRIP BLANK_20210227) exhibited a detection of methylene chloride (1.52 ug/l). The associated results in sample DUP01_20210227 are >10X the contamination. No qualification is necessary.

The TB (TRIP BLANK_20210227) exhibited a detection of methylene chloride (1.52 ug/l). The associated results in sample EB28_14-15 are non-detections. No qualification is necessary.

The matrix spike/matrix spike duplicate (MS/MSD) performed on sample EB28_14-15 exhibited percent recoveries below the LCL for ethylbenzene (65.6%, 68.8%), 1,4-dichlorobenzene (57%, 57.5%), 1,2-dichloroethane (56.6%, 60.5%), toluene (64.9%, 68.8%), chlorobenzene (64.1%, 67%), tetrachloroethylene (56.7%, 59.6%), m-p-xylene (64.2%, 67.2%), cis-1,2-dichloroethylene (57%, 60.8%), trans-1,2-dichloroethene (61.9%, 65.6%), tert-butyl methyl ether (63.8%, 68.5%), 1,3-dichlorobenzene (59.2%, 59.5%), carbon tetrachloride (62.3%, 67.7%), chloroform (60.6%, 64.8%), benzene (65.4%, 68.8%), 1,1,1-trichloroethane (63.6%, 68.8%), methylene chloride (61.7%, 61.9%), 1,1-dichloroethane (57.8%, 61.5%), 1,1-dichloroethene (61.3%, 65.8%), trichloroethylene (69.5%), o-xylene (1,2-dimethylbenzene) (63.6%, 66.6%), and 1,2-dichlorobenzene (61.3%, 63.3%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

The method blank (MB) for batch BC10097-BLK1, BC10097-BLK2, BC10192-BLK1, BC10192-BLK2, BC10192-BLK3, BC10192-BLK4, and BC10289-BLK1 exhibited detections of methyl ethyl ketone (2-butanone) (0.0060 mg/kg, 0.0056 mg/kg, 0.0042 mg/kg, 0.59 mg/kg, 0.0048 mg/kg, 0.0054 mg/kg, and 0.0058 mg/kg, respectively). The associated results were previously qualified. No further action is necessary.

SVOCs by SW-846 Method 8270D and 8270D SIM

21C0044

The FB (FB01_20210227) exhibited detections of acetone (1.66 ug/l) and pyrene (0.0600 ug/l). The associated results are non-detections. No qualification is necessary.

PFAS by USEPA Method 537M

21C0044

The sample EB28_14-15 exhibited percent recoveries above the upper control limit (UCL) for the surrogates perfluoro-1-[2,3,4- 13C3]butanesulfonic acid (227%), perfluoro-n-[1,2,3,4- 13C4]heptanoic acid (201%), and perfluoro-n-[13C5]pentanoic acid (195%). The associated results are non-detections. No qualification is necessary.

The sample EB29_5.5-6.5 exhibited percent recoveries above the UCL for the surrogates perfluoro-1-[2,3,4- 13C3]butanesulfonic acid (225%), perfluoro-n-[1,2,3,4- 13C4]heptanoic acid (193%), and perfluoro-n-[13C5]pentanoic acid (193%). The associated results are non-detections. No qualification is necessary.

The sample EB30_7-8 exhibited percent recoveries above the UCL for the surrogates perfluoro-1-[2,3,4- 13C3]butanesulfonic acid (227%), perfluoro-n-[1,2,3,4- 13C4]heptanoic acid (179%), and perfluoro-n-[13C5]pentanoic acid (192%). The associated results are non-detections. No qualification is necessary.

The sample DUP01_20210227 exhibited percent recoveries above the UCL for the surrogates perfluoro-1-[2,3,4- 13C3]butanesulfonic acid (243%), perfluoro-n-[1,2,3,4- 13c4]heptanoic acid (173%), and perfluoro-n-[13C5]pentanoic acid (207%). The associated results are non-detections. No qualification is necessary.

Metals by SW-846 Method 6010D and 6020B

21C0044

The FB (FB01_20210227) exhibited a detection of zinc (7.71 ug/l). The associated results are >10X the contamination. No qualification is necessary.

Mercury by SW-846 Method 7473

21C0044

The FB (FB01_20210227) exhibited a detection of mercury (0.0002 mg/l). The associated results are non-detections. No qualification is necessary.

FIELD DUPLICATE:

One field duplicate and parent sample pair were collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than ±2X the RL. For results greater than 5X the RL, analytes meet the precision criteria if the relative percent difference (RPD) is less than or equal to 50% for soil. The following field duplicate and parent sample pair was compared to the precision criteria:

- DUP01_20210227 and EB29_5.5-6.5

The field duplicate and parent sample (EB29_5.5-6.5) exhibited RPDs above the control limit for lead (71.4%) and for methylene chloride (132.0%). The associated results are qualified as "J" based on potential indeterminate bias.

CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:

Joe Conboy
Staff Chemist