

January 9, 2023

Jeff Knecht
224 Third Ave Owner LLC
38 East 29th Street, 9th Floor
New York, NY 10016

**Re: Limited Subsurface Investigation Letter Report
224 3rd Avenue
Brooklyn, New York
Langan Project No.: 170758101**

Dear Mr. Knecht:

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan) completed a limited subsurface investigation on behalf for the property at 224 3rd Avenue in Brooklyn, NY. The purpose of this investigation was to evaluate possible impacts to soil, groundwater, and soil vapor resulting from historical use of the site. This letter report provides site background, investigation methodology, investigation results, and conclusions. The investigation included other adjacent lots; however, only this report only focuses on sample areas on Lot 36.

Site Location and Background

The site is located at 224 3rd Avenue (Brooklyn Tax Block 426, Lot 36) in the Gowanus neighborhood of Brooklyn, New York. Block 426 is bordered by Degraw Street to the north, 3rd Avenue to the east, Sackett Street to the south, and Nevins Street to the west. The site occupies an area of 8,470 square feet (0.19± acres) and is improved with a one-story building with a partial cellar. The site is vacant, but was most recently occupied by A&A Brake Services Company Inc. (an automobile repair shop) and Mack Truck Parts (an automobile parts retailer).

A review of historical records revealed that the site has been located in a densely-developed urban area, characterized by commercial and industrial uses, as early as 1886. The site was improved with multiple dwellings by 1886. Around 1915, the dwellings appear to have been replaced by two buildings used for “laundry” and a Bottle Cleaning & Storage facility, and a portion of a third building is indicated as bottle storage. By 1938, the new buildings appear to have been removed and a new single structure (built circa 1930) is constructed for use as a garage with a 550-gallon underground storage tank (UST). The site use as a garage/auto repair facility appears unchanged between 1938 and present day.

Field Investigation

The limited subsurface investigation was implemented on August 18, 2021 and included:

- A geophysical survey to locate potential USTs and other subsurface structures
- Advancement of four soil borings to 20 feet below grade surface (bgs) and collection of four soil samples
- Installation of one temporary groundwater monitoring well and collection of one groundwater sample
- Installation of one soil vapor sampling point and collection of one soil vapor sample

Geophysical Survey

NOVA Geophysical Services (NOVA) conducted a geophysical survey under the supervision of a Langan field staff to identify USTs and other subsurface structures beneath the basement and ground floor slabs. The survey included ground penetrating radar (GPR) and electromagnetic (EM) detectors. A copy of the geophysical survey report is provided as Attachment 1.

Soil Investigation

Four soil borings (SB20 through SB23) were advanced by Eastern Environmental Solutions, Inc. (Eastern) on August 18, 2021. Langan field personnel documented drilling activities and collected samples. Soil boring locations are shown on Figure 1. Soil borings SB20 through SB22 were advanced to 16 feet bgs and soil boring SB23 was advanced to 20 feet bgs, using a direct-push drill rig. Soil samples were inspected for visual and olfactory evidence of impacts and screened for organic vapors with a photoionization detector (PID). Soil samples were collected from the uncontrolled fill layer at and above the groundwater interface. Soil boring logs are provided as Attachment 2.

Four grab soil samples were collected into laboratory-supplied containers and delivered via courier under standard chain-of-custody protocol to York Analytical Laboratories, Inc. (York) for laboratory analysis using the latest United States Environmental Protection Agency (USEPA) methods. York is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory in Stratford, Connecticut and Richmond Hill, New York. Samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals, pesticides, herbicides, and polychlorinated biphenyls (PCBs).

Groundwater Investigation

Soil boring SB23 was converted to a temporary monitoring well (MW04), which was constructed using 10 feet of 1-inch diameter polyvinyl chloride (PVC) riser pipe with a 10-foot long, 0.02-inch-slotted screen set across the observed groundwater table. The annular space of the monitoring well was backfilled with No. 2 sand to two inches bgs and the upper two inches of the borehole

was sealed to grade surface with bentonite. Following groundwater sample collection, the temporary monitoring well was removed, the borehole was filled to grade surface with No. 2 sand and patched with portland cement. The groundwater sample location is shown on Figure 2.

One groundwater sample was collected for laboratory analyses. Before sampling, the well headspace was monitored with a PID and the well was gauged with an interface probe to determine depth to groundwater and purged to remove any accumulated sediment/debris. A multi-parameter water quality instrument was used to monitor groundwater quality parameters during purging and sampling. The sample was collected with a submersible pump and dedicated polyethylene tubing, directly from the pump effluent into laboratory-supplied containers and delivered via courier to York under chain-of-custody protocol. The samples was analyzed for VOCs, SVOCs, and metals (total and dissolved). Monitoring well construction and groundwater sampling logs are provided as Attachment 3.

Soil Vapor Investigation

One soil vapor point (SV04) was installed to about 5 feet below the building slab. Dedicated, Teflon-line polyethylene tubing, connected to a 1-⁷/₈-inch polyethylene probe was inserted into a 2-inch-diameter borehole. The annulus around the tubing was filled with clean sand to just below the underside of the floor slab. Bentonite slurry was then used to seal the top of the sample point. The soil vapor sampling point is shown on Figure 3.

One soil vapor sample was collected from SV04. Before sampling, the soil vapor point was purged using a MultiRAE five-gas meter at an approximate rate of 0.2 liters per minute (L/min) to evacuate a minimum of three tubing/vapor point volumes prior to sample collection. The soil vapor sample was collected into laboratory-supplied, batch-certified, 6-liter Summa canister with a flow controller calibrated for a 2-hour sampling period. The canister was labeled and transported via courier to York under chain-of-custody protocols. The soil vapor sample was analyzed for VOCs via United States Environmental Protection Agency (USEPA) Method TO-15.

A soil vapor sampling log is provided in Attachment 4.

Observations and Analytical Results

The following sections summarize field observations, and analytical results for the sampled media. Soil, groundwater, and soil vapor analytical results are presented on Tables 1, 2, and 3. Laboratory analytical reports are provided as Attachment 5.

Geophysical Survey

The geophysical survey identified one anomaly consistent with a UST in the eastern part of the site building. A fill port and associated pipes were also observed in this area. Utility lines were identified entering the building from the eastern and southern boundaries of the site.

Subsurface Observations

The site is underlain by uncontrolled fill, predominantly consisting of brown to grey, fine-grained sand with varying amounts of silt, gravel, brick, and coal ash, and extending to about 12 feet bgs, with isolated deeper areas observed to about 18 feet bgs. Dark brown fine sand with trace silt was observed below the uncontrolled fill layer. Bedrock was not encountered during the subsurface investigation.

Groundwater was observed at about 10 feet bgs at monitoring well MW04. The inferred regional groundwater flow direction for the area surrounding the site is to the west, towards the Gowanus Canal.

Analytical Results

- Soil: One PAH, indeno(1,2,3-cd)pyrene, was detected in soil at the site at a concentration exceeding the Title 6 of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Use Restricted-Residential (RR) Soil Cleanup Objective (SCO). Metals were also detected in soil above RR SCOs, with maximum concentrations identified in shallow soil (about 0 to 7 feet bgs).
- Groundwater: Metals were detected in groundwater at concentrations above the NYSDEC Technical and Operation Guidance Series (TOGS) 1.1.1. Ambient Water Quality Standards (AWQS) and Guidance Values for Class GA (drinking water).
- Soil Vapor: Petroleum-related and chlorinated VOCs were detected in soil vapor at the site at concentrations which are likely related to an on-site release. Tetrachloroethene (PCE) was detected in soil vapor at a maximum concentration of 1,800 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), which according to the NYSDOH Decision Matrix, warrants mitigation in future development.

Conclusions

Soil sample analytical results identified several metals at concentrations above their respective RR SCO. Groundwater analytical results identified metals at concentrations above NYSDEC AWQS for Class GA (drinking water). PCE was detected in soil vapor at a concentration that warrants mitigation when compared to the NYSDOH decision matrices. Given the concentration of PCE identified in soil vapor, it is likely that PCE is present in soil and/or groundwater, but was not detected during the LSI.

Sincerely,

**Langan Engineering, Environmental, Surveying and
Landscape Architecture, D.P.C.**



Brian Gochenaur, QEP
Associate



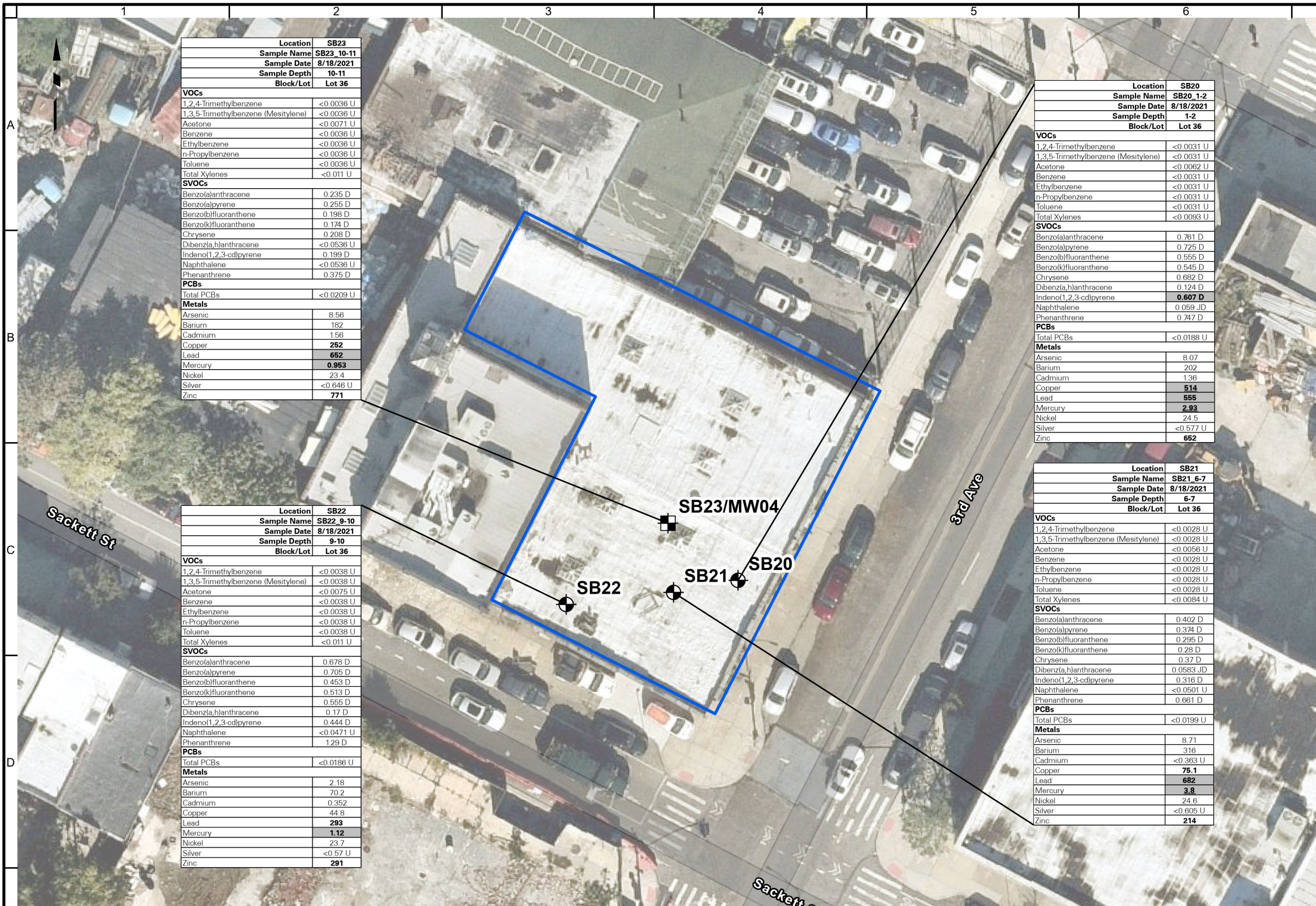
Michael D. Burke, PG, CHMM
Principal/Vice President

Attachments: Figure 1 – Soil Sample Analytical Results Map
Figure 2 – Groundwater Sample Analytical Results Map
Figure 3 – Soil Vapor Sample Analytical Results Map

Table 1 – Soil Sample Analytical Results Summary
Table 2 - Groundwater Sample Analytical Results Summary
Table 3 – Soil Vapor Sample Analytical Results Summary

Attachment 1 – Geophysical Survey
Attachment 2 – Soil Boring Logs
Attachment 3 – Monitoring Well Construction and Groundwater Sampling Logs
Attachment 4 – Soil Vapor Sampling Logs
Attachment 5 – Laboratory Analytical Reports

Figures



Location	SB23
Sample Name	SB23_10-11
Sample Date	8/18/2021
Sample Depth	10-11
Block/Lot	Lot 36

VOCs	
1,2,4-Trimethylbenzene	<0.0036 U
1,3,5-Trimethylbenzene (Mesitylene)	<0.0036 U
Acetone	<0.0071 U
Benzene	<0.0036 U
Ethylbenzene	<0.0036 U
n-Propylbenzene	<0.0036 U
Toluene	<0.0036 U
Total Xylenes	<0.011 U

SVOCs	
Benz(a)anthracene	0.235 D
Benz(a)pyrene	0.255 D
Benz(b)fluoranthene	0.198 D
Benz(k)fluoranthene	0.174 D
Chrysene	0.208 D
Dibenz(a,h)anthracene	<0.0536 U
Indeno(1,2,3-cd)pyrene	0.199 D
Naphthalene	<0.0536 U
Phenanthrene	0.375 D

PCBs	
Total PCBs	<0.0209 U

Metals	
Arsenic	8.56
Barium	182
Cadmium	1.56
Copper	252
Lead	652
Mercury	0.953
Nickel	23.4
Silver	<0.646 U
Zinc	771

Location	SB22
Sample Name	SB22_9-10
Sample Date	8/18/2021
Sample Depth	9-10
Block/Lot	Lot 36

VOCs	
1,2,4-Trimethylbenzene	<0.0038 U
1,3,5-Trimethylbenzene (Mesitylene)	<0.0038 U
Acetone	<0.0075 U
Benzene	<0.0038 U
Ethylbenzene	<0.0038 U
n-Propylbenzene	<0.0038 U
Toluene	<0.0038 U
Total Xylenes	<0.011 U

SVOCs	
Benz(a)anthracene	0.678 D
Benz(a)pyrene	0.705 D
Benz(b)fluoranthene	0.453 D
Benz(k)fluoranthene	0.513 D
Chrysene	0.555 D
Dibenz(a,h)anthracene	0.17 D
Indeno(1,2,3-cd)pyrene	0.444 D
Naphthalene	<0.0471 U
Phenanthrene	1.29 D

PCBs	
Total PCBs	<0.0186 U

Metals	
Arsenic	2.18
Barium	70.2
Cadmium	0.352
Copper	44.8
Lead	293
Mercury	1.12
Nickel	23.7
Silver	<0.57 U
Zinc	291

Location	SB20
Sample Name	SB20_1-2
Sample Date	8/18/2021
Sample Depth	1-2
Block/Lot	Lot 36

VOCs	
1,2,4-Trimethylbenzene	<0.0031 U
1,3,5-Trimethylbenzene (Mesitylene)	<0.0031 U
Acetone	<0.0062 U
Benzene	<0.0031 U
Ethylbenzene	<0.0031 U
n-Propylbenzene	<0.0031 U
Toluene	<0.0031 U
Total Xylenes	<0.0093 U

SVOCs	
Benz(a)anthracene	0.761 D
Benz(a)pyrene	0.725 D
Benz(b)fluoranthene	0.555 D
Benz(k)fluoranthene	0.545 D
Chrysene	0.682 D
Dibenz(a,h)anthracene	0.124 D
Indeno(1,2,3-cd)pyrene	0.607 D
Naphthalene	0.059 JD
Phenanthrene	0.747 D

PCBs	
Total PCBs	<0.0188 U

Metals	
Arsenic	8.07
Barium	202
Cadmium	1.36
Copper	514
Lead	555
Mercury	2.93
Nickel	24.5
Silver	<0.577 U
Zinc	652

Location	SB21
Sample Name	SB21_6-7
Sample Date	8/18/2021
Sample Depth	6-7
Block/Lot	Lot 36

VOCs	
1,2,4-Trimethylbenzene	<0.0028 U
1,3,5-Trimethylbenzene (Mesitylene)	<0.0028 U
Acetone	<0.0056 U
Benzene	<0.0028 U
Ethylbenzene	<0.0028 U
n-Propylbenzene	<0.0028 U
Toluene	<0.0028 U
Total Xylenes	<0.0084 U

SVOCs	
Benz(a)anthracene	0.402 D
Benz(a)pyrene	0.374 D
Benz(b)fluoranthene	0.295 D
Benz(k)fluoranthene	0.28 D
Chrysene	0.37 D
Dibenz(a,h)anthracene	0.0583 JD
Indeno(1,2,3-cd)pyrene	0.316 D
Naphthalene	<0.0501 U
Phenanthrene	0.661 D

PCBs	
Total PCBs	<0.0199 U

Metals	
Arsenic	8.71
Barium	316
Cadmium	<0.363 U
Copper	75.1
Lead	682
Mercury	3.8
Nickel	24.6
Silver	<0.605 U
Zinc	214

Legend

- Soil Boring Location
- Soil Boring/Monitoring Well Location
- Approximate Site Boundary

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs
VOCs			
1,2,4-Trimethylbenzene	3.6	52	190
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	190
Acetone	0.05	100	500
Benzene	0.06	4.8	44
Ethylbenzene	1	41	390
Naphthalene	12	100	500
n-Propylbenzene	3.9	100	500
Toluene	0.7	100	500
Total Xylenes	0.26	100	500
SVOCs			
Benz(a)anthracene	1	1	5.6
Benz(a)pyrene	1	1	1
Benz(b)fluoranthene	1	1	5.6
Benz(k)fluoranthene	0.8	3.9	56
Chrysene	1	3.9	56
Dibenz(a,h)anthracene	0.33	0.33	0.56
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6
Naphthalene	12	100	500
Phenanthrene	100	100	500
Pesticides			
4,4'-DDD	0.0033	13	92
PCBs			
Total PCBs	0.1	1	1
Metals			
Arsenic	13	16	16
Barium	350	400	400
Cadmium	2.5	4.3	9.3
Chromium, Trivalent	30	180	1500
Copper	50	270	270
Lead	63	400	1000
Mercury	0.18	0.81	2.8
Nickel	30	310	310
Silver	2	180	1500
Zinc	109	10000	10000

- Notes:**
- Imagery provided through Langan's subscription to Nearmap.com. Flown on 09/27/2022.
 - BCP - Brownfield Cleanup Program
 - 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 Restricted Use Residential-Residential and NYSDEC Part 375 Restricted Use Commercial Soil Cleanup Objectives (SCO).
 - Results are shown in milligram per kilogram (mg/kg)

- Qualifiers:**
- D = The concentration reported is a result of a diluted sample.
 - E = The result is estimated and cannot be accurately reported due to levels encountered or interferences.
 - J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
 - U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Exceedance Summary

- 10** Result exceeds NYSDEC Part 375 Unrestricted Use SCOs
- 10** - Result exceeds NYSDEC Part 375 Restricted Use Residential-Residential SCOs
- 10** - Result exceeds NYSDEC Part 375 Restricted Use Commercial SCOs



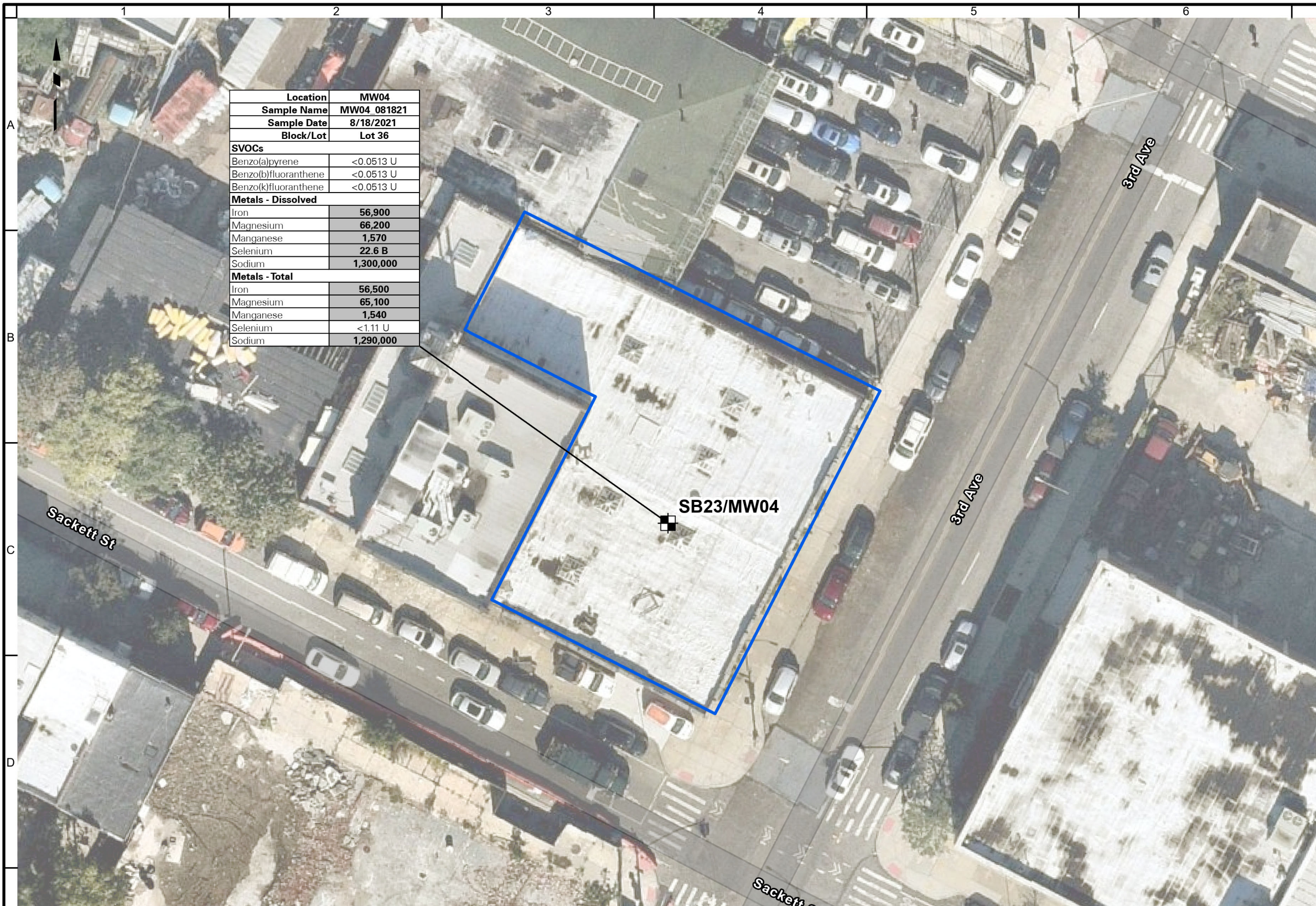
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Project
224 3RD AVENUE
 BLOCK No. 426, LOT No. 36
 BROOKLYN NEW YORK

Figure Title
SOIL SAMPLE LOCATION AND ANALYTICAL RESULTS MAP

Project No. 170758101	Figure No. 1
Date 10/20/2022	
Scale 1"=30'	
Drawn By PDT	



Location	MW04
Sample Name	MW04_081821
Sample Date	8/18/2021
Block/Lot	Lot 36
SVOCs	
Benzo(a)pyrene	<0.0513 U
Benzo(b)fluoranthene	<0.0513 U
Benzo(k)fluoranthene	<0.0513 U
Metals - Dissolved	
Iron	56,900
Magnesium	66,200
Manganese	1,570
Selenium	22.6 B
Sodium	1,300,000
Metals - Total	
Iron	56,500
Magnesium	65,100
Manganese	1,540
Selenium	<1.11 U
Sodium	1,290,000

Legend

- Soil Boring/Monitoring Well Location
- Approximate Site Boundary

Analyte	NYSDEC SGVs
SVOCs	
Benzo(a)pyrene	0
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Metals	
Iron	300
Magnesium	35000
Manganese	300
Selenium	10
Sodium	20000

Notes:

1. Imagery provided through Langan's subscription to Nearmap.com. Flown on 09/27/2022.
2. BCP - Brownfield Cleanup Program
3. Groundwater 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 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").
4. Results are shown in micrograms per liter (ug/l)

Qualifiers:

- B = The analyte was found in the associated analysis batch blank.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL

Exceedance Summary

10 - Result exceeds NYSDEC SGVs



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Project

224 3RD AVENUE

BLOCK No. 426, LOT No. 36

BROOKLYN

Figure Title

**GROUNDWATER SAMPLE
LOCATION
AND ANALYTICAL
RESULTS MAP**

NEW YORK

Project No.

170758101

Date

10/21/2022

Scale

1"=30'

Drawn By



PDT

Figure No.

2



Legend

-  Soil Vapor Sample Location
-  Approximate Site Boundary

Analyte	NYSDOH Decision Matrices Minimum Concentrations
VOCs	
Tetrachloroethene (PCE)	100

- Notes:**
1. Imagery provided through Langan's subscription to Nearmap.com. Flown on 09/27/2022.
 2. BCP - Brownfield Cleanup Program
 3. Soil vapor sample analytical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).
 4. Results are shown in micrograms per cubic meter (ug/m3)

Qualifiers:
 D = The concentration reported is a result of a diluted sample.
 U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Exceedance Summary

10 Result exceeds NYSDOH Decision Matrices Minimum Concentrations



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Project
224 3RD AVENUE
 BLOCK No. 426, LOT No. 36
 BROOKLYN NEW YORK

Figure Title
SOIL VAPOR SAMPLE LOCATION AND ANALYTICAL RESULTS MAP

Project No. 170758101	3
Date 10/20/2022	
Scale 1"=30'	
Drawn By PDT	

Tables

Soil Sample Analytical Results

224 3rd Avenue
Brooklyn, New York
Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	Location				
					Sample Name	SB20	SB21	SB22	SB23
					Sample Date	SB20_1-2	SB21_6-7	SB22_9-10	SB23_10-11
					Sample Depth	1-2	6-7	9-10	10-11
					Block/Lot	Lot 36	Lot 36	Lot 36	Lot 36
Unit	Result	Result	Result	Result					
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,1,1-Trichloroethane	71-55-6	0.68	100	500	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,1-Dichloroethane	75-34-3	0.27	26	240	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,1-Dichloroethene	75-35-4	0.33	100	500	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,2,4-Trimethylbenzene	95-63-6	3.6	52	190	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,2-Dichlorobenzene	95-50-1	1.1	100	500	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,2-Dichloroethane	107-06-2	0.02	3.1	30	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,2-Dichloropropane	78-87-5	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	8.4	52	190	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,3-Dichlorobenzene	541-73-1	2.4	49	280	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,4-Dichlorobenzene	106-46-7	1.8	13	130	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	13	130	mg/kg	<0.062 U	<0.056 U	<0.075 U	<0.071 U
2-Hexanone (MBK)	591-78-6	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Acetone	67-64-1	0.05	100	500	mg/kg	<0.0062 U	<0.0056 U	<0.0075 U	<0.0071 U
Acrolein	107-02-8	NS	NS	NS	mg/kg	<0.0062 U	<0.0056 U	<0.0075 U	<0.0071 U
Acrylonitrile	107-13-1	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Benzene	71-43-2	0.06	4.8	44	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Bromochloromethane	74-97-5	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Bromodichloromethane	75-27-4	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Bromoform	75-25-2	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Bromomethane	74-83-9	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Carbon Disulfide	75-15-0	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Carbon Tetrachloride	56-23-5	0.76	2.4	22	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Chlorobenzene	108-90-7	1.1	100	500	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Chloroethane	75-00-3	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Chloroform	67-66-3	0.37	49	350	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Chloromethane	74-87-3	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Cis-1,2-Dichloroethene	156-59-2	0.25	100	500	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Cyclohexane	110-82-7	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Dibromochloromethane	124-48-1	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Dibromomethane	74-95-3	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Dichlorodifluoromethane	75-71-8	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Ethylbenzene	100-41-4	1	41	390	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
M,P-Xylene	179601-23-1	NS	NS	NS	mg/kg	<0.0062 U	<0.0056 U	<0.0075 U	<0.0071 U
Methyl Acetate	79-20-9	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	100	500	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Methylcyclohexane	108-87-2	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Methylene Chloride	75-09-2	0.05	100	500	mg/kg	<0.0062 U	0.0065 J	0.014 J	<0.0071 U
Naphthalene	91-20-3	12	100	500	mg/kg	NA	NA	NA	NA
n-Butylbenzene	104-51-8	12	100	500	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
n-Propylbenzene	103-65-1	3.9	100	500	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Sec-Butylbenzene	135-98-8	11	100	500	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Styrene	100-42-5	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
T-Butylbenzene	98-06-6	5.9	100	500	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Tert-Butyl Alcohol	75-65-0	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Tert-Butyl Methyl Ether	1634-04-4	0.93	100	500	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Tetrachloroethene (PCE)	127-18-4	1.3	19	150	mg/kg	0.0069	0.0045 J	0.12	<0.0036 U
Toluene	108-88-3	0.7	100	500	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Total Xylenes	1330-20-7	0.26	100	500	mg/kg	<0.0093 U	<0.0084 U	<0.011 U	<0.011 U
Trans-1,2-Dichloroethene	156-60-5	0.19	100	500	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Trans-1,3-Dichloropropene	10061-02-6	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Trans-1,4-Dichloro-2-Butene	110-57-6	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Trichloroethene (TCE)	79-01-6	0.47	21	200	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Trichlorofluoromethane	75-69-4	NS	NS	NS	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U
Vinyl Chloride	75-01-4	0.02	0.9	13	mg/kg	<0.0031 U	<0.0028 U	<0.0038 U	<0.0036 U

Soil Sample Analytical Results

224 3rd Avenue
Brooklyn, New York
Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	Location				
					Sample Name	SB20	SB21	SB22	SB23
					Sample Date	SB20_1-2	SB21_6-7	SB22_9-10	SB23_10-11
					Sample Depth	1-2	6-7	9-10	10-11
					Block/Lot	Lot 36	Lot 36	Lot 36	Lot 36
Unit	Result	Result	Result	Result					
Semi-Volatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	mg/kg	<0.0934 U	<0.0999 U	<0.0939 U	<0.107 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
1,2-Dichlorobenzene	95-50-1	1.1	100	500	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
1,2-Diphenylhydrazine	122-66-7	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
1,3-Dichlorobenzene	541-73-1	2.4	49	280	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
1,4-Dichlorobenzene	106-46-7	1.8	13	130	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	NS	mg/kg	<0.0934 U	<0.0999 U	<0.0939 U	<0.107 U
2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
2,4-Dichlorophenol	120-83-2	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
2,4-Dimethylphenol	105-67-9	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
2,4-Dinitrophenol	51-28-5	NS	NS	NS	mg/kg	<0.0934 U	<0.0999 U	<0.0939 U	<0.107 U
2,4-Dinitrotoluene	121-14-2	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
2,6-Dinitrotoluene	606-20-2	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
2-Chloronaphthalene	91-58-7	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
2-Chlorophenol	95-57-8	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
2-Methylphenol (o-Cresol)	95-48-7	0.33	100	500	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
2-Nitroaniline	88-74-4	NS	NS	NS	mg/kg	<0.0934 U	<0.0999 U	<0.0939 U	<0.107 U
2-Nitrophenol	88-75-5	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	0.33	100	500	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
3-Nitroaniline	99-09-2	NS	NS	NS	mg/kg	<0.0934 U	<0.0999 U	<0.0939 U	<0.107 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	NS	mg/kg	<0.0934 U	<0.0999 U	<0.0939 U	<0.107 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
4-Chloro-3-Methylphenol	59-50-7	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
4-Chloroaniline	106-47-8	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
4-Nitroaniline	100-01-6	NS	NS	NS	mg/kg	<0.0934 U	<0.0999 U	<0.0939 U	<0.107 U
4-Nitrophenol	100-02-7	NS	NS	NS	mg/kg	<0.0934 U	<0.0999 U	<0.0939 U	<0.107 U
Acenaphthene	83-32-9	20	100	500	mg/kg	0.0552 JD	<0.0501 U	<0.0471 U	<0.0536 U
Acenaphthylene	208-96-8	100	100	500	mg/kg	0.0493 JD	<0.0501 U	0.173 D	<0.0536 U
Acetophenone	98-86-2	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Aniline (Phenylamine, Aminobenzene)	62-53-3	NS	NS	NS	mg/kg	<0.187 U	<0.2 U	<0.188 U	<0.214 U
Anthracene	120-12-7	100	100	500	mg/kg	0.169 D	0.137 D	0.344 D	0.0855 JD
Atrazine	1912-24-9	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Benzaldehyde	100-52-7	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Benzidine	92-87-5	NS	NS	NS	mg/kg	<0.187 U	<0.2 U	<0.188 U	<0.214 U
Benzo(a)anthracene	56-55-3	1	1	5.6	mg/kg	0.761 D	0.402 D	0.678 D	0.235 D
Benzo(a)pyrene	50-32-8	1	1	1	mg/kg	0.725 D	0.374 D	0.705 D	0.255 D
Benzo(b)fluoranthene	205-99-2	1	1	5.6	mg/kg	0.555 D	0.295 D	0.453 D	0.198 D
Benzo(g,h,i)Perylene	191-24-2	100	100	500	mg/kg	0.464 D	0.25 D	0.368 D	0.15 D
Benzo(k)fluoranthene	207-08-9	0.8	3.9	56	mg/kg	0.545 D	0.28 D	0.513 D	0.174 D
Benzoic Acid	65-85-0	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	0.123 D	<0.0536 U
Benzyl Alcohol	100-51-6	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Benzyl Butyl Phthalate	85-68-7	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Biphenyl (Diphenyl)	92-52-4	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Caprolactam	105-60-2	NS	NS	NS	mg/kg	<0.0934 U	<0.0999 U	<0.0939 U	<0.107 U
Carbazole	86-74-8	NS	NS	NS	mg/kg	0.0597 JD	0.0583 JD	0.101 D	<0.0536 U
Chrysene	218-01-9	1	3.9	56	mg/kg	0.682 D	0.37 D	0.555 D	0.208 D
Dibenz(a,h)anthracene	53-70-3	0.33	0.33	0.56	mg/kg	0.124 D	0.0583 JD	0.17 D	<0.0536 U
Dibenzofuran	132-64-9	7	59	350	mg/kg	<0.0468 U	<0.0501 U	0.0871 JD	<0.0536 U
Dibutyl phthalate	84-74-2	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Diethyl phthalate	84-66-2	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Dimethyl phthalate	131-11-3	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Dioctyl phthalate	117-84-0	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Diphenylamine	122-39-4	NS	NS	NS	mg/kg	<0.0934 U	<0.0999 U	<0.0939 U	<0.107 U
Fluoranthene	206-44-0	100	100	500	mg/kg	1.34 D	0.923 D	1.52 D	0.501 D
Fluorene	86-73-7	30	100	500	mg/kg	<0.0468 U	<0.0501 U	0.0908 JD	<0.0536 U
Hexachlorobenzene	118-74-1	0.33	1.2	6	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Hexachlorocyclopentadiene	77-47-4	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Hexachloroethane	67-72-1	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	5.6	mg/kg	0.607 D	0.316 D	0.444 D	0.199 D
Isophorone	78-59-1	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Naphthalene	91-20-3	12	100	500	mg/kg	0.059 JD	<0.0501 U	<0.0471 U	<0.0536 U
Nitrobenzene	98-95-3	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
n-Nitrosodimethylamine	62-75-9	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
n-Nitrosodi-N-Propylamine	621-64-7	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
n-Nitrosodiphenylamine	86-30-6	NS	NS	NS	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Pentachlorophenol	87-86-5	0.8	6.7	6.7	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Phenanthrene	85-01-8	100	100	500	mg/kg	0.747 D	0.661 D	1.29 D	0.375 D
Phenol	108-95-2	0.33	100	500	mg/kg	<0.0468 U	<0.0501 U	<0.0471 U	<0.0536 U
Pyrene	129-00-0	100	100	500	mg/kg	1.28 D	0.786 D	0.985 D	0.412 D
Pyridine	110-86-1	NS	NS	NS	mg/kg	NA	NA	NA	NA

Soil Sample Analytical Results

224 3rd Avenue
Brooklyn, New York
Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	Location				
					Sample Name	SB20	SB21	SB22	SB23
					Sample Date	SB20_1-2	SB21_6-7	SB22_9-10	SB23_10-11
					Sample Depth	1-2	6-7	9-10	10-11
Block/Lot	Lot 36	Lot 36	Lot 36	Lot 36					
Unit	Result	Result	Result	Result					
Pesticides									
4,4'-DDD	72-54-8	0.0033	13	92	mg/kg	NA	NA	NA	NA
4,4'-DDE	72-55-9	0.0033	8.9	62	mg/kg	NA	NA	NA	NA
4,4'-DDT	50-29-3	0.0033	7.9	47	mg/kg	NA	NA	NA	NA
Aldrin	309-00-2	0.005	0.097	0.68	mg/kg	NA	NA	NA	NA
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	0.48	3.4	mg/kg	NA	NA	NA	NA
Alpha Chlordane	5103-71-9	0.094	4.2	24	mg/kg	NA	NA	NA	NA
Alpha Endosulfan	959-98-8	2.4	24	200	mg/kg	NA	NA	NA	NA
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.036	0.36	3	mg/kg	NA	NA	NA	NA
Beta Endosulfan	33213-65-9	2.4	24	200	mg/kg	NA	NA	NA	NA
Chlordane (alpha and gamma)	57-74-9	NS	NS	NS	mg/kg	NA	NA	NA	NA
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	100	500	mg/kg	NA	NA	NA	NA
Dieldrin	60-57-1	0.005	0.2	1.4	mg/kg	NA	NA	NA	NA
Endosulfan Sulfate	1031-07-8	2.4	24	200	mg/kg	NA	NA	NA	NA
Endrin	72-20-8	0.014	11	89	mg/kg	NA	NA	NA	NA
Endrin Aldehyde	7421-93-4	NS	NS	NS	mg/kg	NA	NA	NA	NA
Endrin Ketone	53494-70-5	NS	NS	NS	mg/kg	NA	NA	NA	NA
Gamma Bhc (Lindane)	58-89-9	0.1	1.3	9.2	mg/kg	NA	NA	NA	NA
Gamma-Chlordane	5566-34-7	NS	NS	NS	mg/kg	NA	NA	NA	NA
Heptachlor	76-44-8	0.042	2.1	15	mg/kg	NA	NA	NA	NA
Heptachlor Epoxide	1024-57-3	NS	NS	NS	mg/kg	NA	NA	NA	NA
Methoxychlor	72-43-5	NS	NS	NS	mg/kg	NA	NA	NA	NA
Toxaphene	8001-35-2	NS	NS	NS	mg/kg	NA	NA	NA	NA
Herbicides									
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	NS	NS	NS	mg/kg	NA	NA	NA	NA
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NS	NS	NS	mg/kg	NA	NA	NA	NA
Silvex (2,4,5-Tp)	93-72-1	3.8	100	500	mg/kg	NA	NA	NA	NA
Polychlorinated Biphenyl									
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	NS	mg/kg	<0.0188 U	<0.0199 U	<0.0186 U	<0.0209 U
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	NS	mg/kg	<0.0188 U	<0.0199 U	<0.0186 U	<0.0209 U
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	NS	mg/kg	<0.0188 U	<0.0199 U	<0.0186 U	<0.0209 U
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	NS	mg/kg	<0.0188 U	<0.0199 U	<0.0186 U	<0.0209 U
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	NS	mg/kg	<0.0188 U	<0.0199 U	<0.0186 U	<0.0209 U
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	NS	mg/kg	<0.0188 U	<0.0199 U	<0.0186 U	<0.0209 U
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	NS	mg/kg	<0.0188 U	<0.0199 U	<0.0186 U	<0.0209 U
Total PCBs	1336-36-3	0.1	1	1	mg/kg	<0.0188 U	<0.0199 U	<0.0186 U	<0.0209 U
Metals									
Aluminum	7429-90-5	NS	NS	NS	mg/kg	8,470	11,700	7,530	9,100
Antimony	7440-36-0	NS	NS	NS	mg/kg	<2.68 U	<3.02 U	<2.85 U	<3.23 U
Arsenic	7440-38-2	13	16	16	mg/kg	8.07	8.71	2.18	8.56
Barium	7440-39-3	350	400	400	mg/kg	202	316	70.2	182
Beryllium	7440-41-7	7.2	72	590	mg/kg	0.151	<0.06 U	<0.057 U	1.45
Cadmium	7440-43-9	2.5	4.3	9.3	mg/kg	1.36	<0.363 U	0.352	1.56
Calcium	7440-70-2	NS	NS	NS	mg/kg	8,630 B	30,000 B	9,140 B	9,370 B
Chromium, Hexavalent	18540-29-9	1	110	400	mg/kg	NA	NA	NA	NA
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	18.3	21.1	14.2	14.2
Chromium, Trivalent	16065-83-1	30	180	1500	mg/kg	NA	NA	NA	NA
Cobalt	7440-48-4	NS	NS	NS	mg/kg	8.82	11.7	8.09	13
Copper	7440-50-8	50	270	270	mg/kg	514	75.1	44.8	252
Cyanide	57-12-5	27	27	27	mg/kg	NA	NA	NA	NA
Iron	7439-89-6	NS	NS	NS	mg/kg	14,900	12,600	16,100	19,800
Lead	7439-92-1	63	400	1000	mg/kg	555	682	293	652
Magnesium	7439-95-4	NS	NS	NS	mg/kg	1,720	2,890	2,580	1,010
Manganese	7439-96-5	1600	2000	10000	mg/kg	213	252	226	301
Mercury	7439-97-6	0.18	0.81	2.8	mg/kg	2.93	3.8	1.12	0.953
Nickel	7440-02-0	30	310	310	mg/kg	24.5	24.6	23.7	23.4
Potassium	7440-09-7	NS	NS	NS	mg/kg	1,400	2,390	1,350	1,390
Selenium	7782-49-2	3.9	180	1500	mg/kg	<2.88 U	<3.02 U	<2.85 U	<3.23 U
Silver	7440-22-4	2	180	1500	mg/kg	<0.577 U	<0.605 U	<0.57 U	<0.646 U
Sodium	7440-23-5	NS	NS	NS	mg/kg	857	1,590	215	960
Thallium	7440-28-0	NS	NS	NS	mg/kg	<2.88 U	<3.02 U	<2.85 U	<3.23 U
Vanadium	7440-62-2	NS	NS	NS	mg/kg	25.1	37.2	19.2	33.5
Zinc	7440-66-6	109	10000	10000	mg/kg	652	214	291	771
General Chemistry									
Solids, Percent	SOLID	NS	NS	NS	Percent	86.7	82.6	87.7	77.4

Soil Sample Analytical Results

**224 3rd Avenue
Brooklyn, New York
Langan Project No.: 170758101**

Notes:

CAS - Chemical Abstract Service
NS - No standard
mg/kg = milligram per kilogram
NA - Not Analyzed
RL - Reporting Limit
<RL - Not detected

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, Restricted Use Restricted-Residential and NYSDEC Part 375 Restricted Use Commercial Soil Cleanup Objectives (SCO).

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).

Qualifiers:

D = The concentration reported is a result of a diluted sample.
E = The result is estimated and cannot be accurately reported due to levels encountered or interferences.
J = The analyte was detected above the Method Detection Limit (MDL), but below the RL; therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.
B = The analyte was found in the associated analysis batch blank.

Exceedance Summary:

10 - Result exceeds NYSDEC Part 375 Unrestricted Use SCOs.
10 - Result exceeds NYSDEC Part 375 Restricted Use Restricted-Residential SCOs.
10 - Result exceeds NYSDEC Part 375 Restricted Use Commercial SCOs.

Groundwater Sample Analytical Results

224 3rd Avenue
Brooklyn, New York
Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC SGVs	Location	
			Sample Name	MW04
			Sample Date	MW04_081821
			Block/Lot	8/18/2021
			Unit	Lot 36
				Result
Volatile Organic Compounds				
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<0.2 U
1,1,1-Trichloroethane	71-55-6	5	ug/l	<0.2 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<0.2 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	ug/l	<0.2 U
1,1,2-Trichloroethane	79-00-5	1	ug/l	<0.2 U
1,1-Dichloroethane	75-34-3	5	ug/l	<0.2 U
1,1-Dichloroethene	75-35-4	5	ug/l	<0.2 U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<0.2 U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<0.2 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<0.2 U
1,2,4-Trimethylbenzene	95-63-6	5	ug/l	<0.2 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<0.2 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<0.2 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<0.2 U
1,2-Dichloroethane	107-06-2	0.6	ug/l	<0.2 U
1,2-Dichloropropane	78-87-5	1	ug/l	<0.2 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	5	ug/l	<0.2 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<0.2 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<0.2 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/l	<40 U
2-Hexanone (MBK)	591-78-6	50	ug/l	<0.2 U
Acetone	67-64-1	50	ug/l	2.7
Acrolein	107-02-8	5	ug/l	<0.2 U
Acrylonitrile	107-13-1	5	ug/l	<0.2 U
Benzene	71-43-2	1	ug/l	<0.2 U
Bromochloromethane	74-97-5	5	ug/l	<0.2 U
Bromodichloromethane	75-27-4	50	ug/l	<0.2 U
Bromoform	75-25-2	50	ug/l	<0.2 U
Bromomethane	74-83-9	5	ug/l	<0.2 U
Carbon Disulfide	75-15-0	60	ug/l	<0.2 U
Carbon Tetrachloride	56-23-5	5	ug/l	<0.2 U
Chlorobenzene	108-90-7	5	ug/l	<0.2 U
Chloroethane	75-00-3	5	ug/l	1.7
Chloroform	67-66-3	7	ug/l	<0.2 U
Chloromethane	74-87-3	5	ug/l	<0.2 U
Cis-1,2-Dichloroethene	156-59-2	5	ug/l	<0.2 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<0.2 U
Cyclohexane	110-82-7	NS	ug/l	0.25 J
Dibromochloromethane	124-48-1	50	ug/l	<0.2 U
Dibromomethane	74-95-3	5	ug/l	<0.2 U
Dichlorodifluoromethane	75-71-8	5	ug/l	<0.2 U
Ethylbenzene	100-41-4	5	ug/l	<0.2 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.2 U
Isopropylbenzene (Cumene)	98-82-8	5	ug/l	<0.2 U
m,p-Xylene	179601-23-1	5	ug/l	<0.5 U
Methyl Acetate	79-20-9	NS	ug/l	<0.2 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<0.2 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<0.2 U
Methylcyclohexane	108-87-2	NS	ug/l	<0.2 U
Methylene Chloride	75-09-2	5	ug/l	<1 U
n-Butylbenzene	104-51-8	5	ug/l	<0.2 U
n-Propylbenzene	103-65-1	5	ug/l	<0.2 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	5	ug/l	<0.2 U
p-Cymene (p-Isopropyltoluene)	CYMP	NS	ug/l	<0.2 U
Sec-Butylbenzene	135-98-8	5	ug/l	<0.2 U
Styrene	100-42-5	5	ug/l	<0.2 U
T-Butylbenzene	98-06-6	5	ug/l	<0.2 U
Tert-Butyl Alcohol	75-65-0	NS	ug/l	17
Tert-Butyl Methyl Ether	1634-04-4	10	ug/l	0.45 J
Tetrachloroethene (PCE)	127-18-4	5	ug/l	0.44 J
Toluene	108-88-3	5	ug/l	<0.2 U
Total Xylenes	1330-20-7	5	ug/l	<0.6 U
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	<0.2 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	<0.2 U
Trans-1,4-Dichloro-2-Butene	110-57-6	5	ug/l	<0.2 U
Trichloroethene (TCE)	79-01-6	5	ug/l	<0.2 U
Trichlorofluoromethane	75-69-4	5	ug/l	<0.2 U
Vinyl Chloride	75-01-4	2	ug/l	<0.2 U

Groundwater Sample Analytical Results

224 3rd Avenue
Brooklyn, New York
Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC SGVs	Location	
			Sample Name	MW04
			Sample Date	MW04_081821
			Block/Lot	8/18/2021
			Unit	Lot 36
			Unit	Result
Semivolatile Organic Compounds				
1,2,4,5-Tetrachlorobenzene	95-94-3	5	ug/l	<2.56 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<2.56 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<2.56 U
1,2-Diphenylhydrazine	122-66-7	0	ug/l	<2.56 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<2.56 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<2.56 U
2,3,4,6-Tetrachlorophenol	58-90-2	NS	ug/l	<1.28 U
2,4,5-Trichlorophenol	95-95-4	NS	ug/l	<1.28 U
2,4,6-Trichlorophenol	88-06-2	NS	ug/l	<1.28 U
2,4-Dichlorophenol	120-83-2	1	ug/l	<1.28 U
2,4-Dimethylphenol	105-67-9	1	ug/l	<1.28 U
2,4-Dinitrophenol	51-28-5	1	ug/l	<1.28 U
2,4-Dinitrotoluene	121-14-2	5	ug/l	<2.56 U
2,6-Dinitrotoluene	606-20-2	5	ug/l	<2.56 U
2-Chloronaphthalene	91-58-7	10	ug/l	<2.56 U
2-Chlorophenol	95-57-8	NS	ug/l	<1.28 U
2-Methylnaphthalene	91-57-6	NS	ug/l	<2.56 U
2-Methylphenol (o-Cresol)	95-48-7	NS	ug/l	<1.28 U
2-Nitroaniline	88-74-4	5	ug/l	<2.56 U
2-Nitrophenol	88-75-5	NS	ug/l	<1.28 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	NS	ug/l	<1.28 U
3,3'-Dichlorobenzidine	91-94-1	5	ug/l	<2.56 U
3-Nitroaniline	99-09-2	5	ug/l	<2.56 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	ug/l	<1.28 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	ug/l	<2.56 U
4-Chloro-3-Methylphenol	59-50-7	NS	ug/l	<1.28 U
4-Chloroaniline	106-47-8	5	ug/l	<2.56 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	ug/l	<2.56 U
4-Nitroaniline	100-01-6	5	ug/l	<2.56 U
4-Nitrophenol	100-02-7	NS	ug/l	<1.28 U
Acenaphthene	83-32-9	20	ug/l	<0.0513 U
Acenaphthylene	208-96-8	NS	ug/l	<0.0513 U
Acetophenone	98-86-2	NS	ug/l	<2.56 U
Aniline (Phenylamine, Aminobenzene)	62-53-3	5	ug/l	<2.56 U
Anthracene	120-12-7	50	ug/l	<0.0513 U
Atrazine	1912-24-9	7.5	ug/l	<0.513 U
Benzaldehyde	100-52-7	NS	ug/l	<2.56 U
Benzidine	92-87-5	5	ug/l	<10.3 U
Benzo(a)anthracene	56-55-3	0.002	ug/l	<0.0513 U
Benzo(a)pyrene	50-32-8	0	ug/l	<0.0513 U
Benzo(b)fluoranthene	205-99-2	0.002	ug/l	<0.0513 U
Benzo(g,h,i)Perylene	191-24-2	NS	ug/l	<0.0513 U
Benzo(k)fluoranthene	207-08-9	0.002	ug/l	<0.0513 U
Benzoic Acid	65-85-0	NS	ug/l	<25.6 U
Benzyl Alcohol	100-51-6	NS	ug/l	<2.56 U
Benzyl Butyl Phthalate	85-68-7	50	ug/l	<2.56 U
Biphenyl (Diphenyl)	92-52-4	5	ug/l	<2.56 U
Bis(2-chloroethoxy) methane	111-91-1	5	ug/l	<2.56 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	1	ug/l	<1.28 U
Bis(2-chloroisopropyl) ether	108-60-1	5	ug/l	<2.56 U
Bis(2-ethylhexyl) phthalate	117-81-7	5	ug/l	0.728 B
Caprolactam	105-60-2	NS	ug/l	<2.56 U
Carbazole	86-74-8	NS	ug/l	<2.56 U
Chrysene	218-01-9	0.002	ug/l	<0.0513 U
Dibenz(a,h)anthracene	53-70-3	NS	ug/l	<0.0513 U
Dibenzofuran	132-64-9	NS	ug/l	<2.56 U
Dibutyl phthalate	84-74-2	50	ug/l	<2.56 U
Diethyl phthalate	84-66-2	50	ug/l	<2.56 U
Dimethyl phthalate	131-11-3	50	ug/l	<2.56 U
Diethyl phthalate	117-84-0	50	ug/l	<2.56 U
Fluoranthene	206-44-0	50	ug/l	<0.0513 U
Fluorene	86-73-7	50	ug/l	0.421
Hexachlorobenzene	118-74-1	0.04	ug/l	<0.0205 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.513 U
Hexachlorocyclopentadiene	77-47-4	5	ug/l	<2.56 U
Hexachloroethane	67-72-1	5	ug/l	<0.513 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	ug/l	<0.0513 U
Isophorone	78-59-1	50	ug/l	<2.56 U
Naphthalene	91-20-3	10	ug/l	<0.0513 U
Nitrobenzene	98-95-3	0.4	ug/l	<0.256 U
n-Nitrosodimethylamine	62-75-9	NS	ug/l	<0.513 U
n-Nitrosodi-N-Propylamine	621-64-7	NS	ug/l	<2.56 U
n-Nitrosodiphenylamine	86-30-6	50	ug/l	<2.56 U
Pentachlorophenol	87-86-5	1	ug/l	<0.256 U
Phenanthrene	85-01-8	50	ug/l	<0.0513 U
Phenol	108-95-2	1	ug/l	<1.28 U
Pyrene	129-00-0	50	ug/l	<0.0513 U
Pyridine	110-86-1	50	ug/l	<2.56 U

Groundwater Sample Analytical Results

224 3rd Avenue
Brooklyn, New York
Langan Project No.: 170758101

Analyte	CAS Number	NYSDEC SGVs	Location	
			Sample Name	MW04_081821
			Sample Date	8/18/2021
			Block/Lot	Lot 36
			Unit	Result
Metals - Dissolved				
Aluminum	7429-90-5	NS	ug/l	<55.6 U
Antimony	7440-36-0	3	ug/l	<1.11 U
Arsenic	7440-38-2	25	ug/l	20.1
Barium	7440-39-3	1000	ug/l	759
Beryllium	7440-41-7	3	ug/l	<0.333 U
Cadmium	7440-43-9	5	ug/l	<0.556 U
Calcium	7440-70-2	NS	ug/l	315,000 B
Chromium, Total	7440-47-3	50	ug/l	<5.56 U
Cobalt	7440-48-4	NS	ug/l	<4.44 U
Copper	7440-50-8	200	ug/l	<22.2 U
Iron	7439-89-6	300	ug/l	56,900
Lead	7439-92-1	25	ug/l	<5.56 U
Magnesium	7439-95-4	35000	ug/l	66,200
Manganese	7439-96-5	300	ug/l	1,570
Mercury	7439-97-6	0.7	ug/l	<0.2 U
Nickel	7440-02-0	100	ug/l	<11.1 U
Potassium	7440-09-7	NS	ug/l	62,100
Selenium	7782-49-2	10	ug/l	22.6 B
Silver	7440-22-4	50	ug/l	<5.56 U
Sodium	7440-23-5	20000	ug/l	1,300,000
Thallium	7440-28-0	0.5	ug/l	<1.11 U
Vanadium	7440-62-2	NS	ug/l	<11.1 U
Zinc	7440-66-6	2000	ug/l	119
Metals - Total				
Aluminum	7429-90-5	NS	ug/l	<100 U
Antimony	7440-36-0	3	ug/l	<1.11 U
Arsenic	7440-38-2	25	ug/l	11
Barium	7440-39-3	1000	ug/l	731
Beryllium	7440-41-7	3	ug/l	<0.333 U
Cadmium	7440-43-9	5	ug/l	<0.556 U
Calcium	7440-70-2	NS	ug/l	302,000 B
Chromium, Total	7440-47-3	50	ug/l	<10 U
Cobalt	7440-48-4	NS	ug/l	<8 U
Copper	7440-50-8	200	ug/l	<40 U
Iron	7439-89-6	300	ug/l	56,500
Lead	7439-92-1	25	ug/l	<10 U
Magnesium	7439-95-4	35000	ug/l	65,100
Manganese	7439-96-5	300	ug/l	1,540
Mercury	7439-97-6	0.7	ug/l	<0.2 U
Nickel	7440-02-0	100	ug/l	<20 U
Potassium	7440-09-7	NS	ug/l	62,700
Selenium	7782-49-2	10	ug/l	<1.11 U
Silver	7440-22-4	50	ug/l	<10 U
Sodium	7440-23-5	20000	ug/l	1,290,000
Thallium	7440-28-0	0.5	ug/l	<1.11 U
Vanadium	7440-62-2	NS	ug/l	<20 U
Zinc	7440-66-6	2000	ug/l	137

Groundwater Sample Analytical Results

224 3rd Avenue
Brooklyn, New York
Langan Project No.: 170758101

Notes:

CAS - Chemical Abstract Service
NS - No standard
ug/l = micrograms per liter
NA - Not Analyzed
RL - Reporting Limit
<RL - Not detected

Groundwater 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 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").

Qualifiers:

J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.
B = The analyte was found in the associated analysis batch blank.

Exceedance Summary:

10 - Result exceeds NYSDEC SGVs

Soil Vapor Sample Analytical Results

224 3rd Avenue
Brooklyn, New York
Langan Project No.: 170758101

Analyte	CAS Number	NYSDOH Decision Matrices Minimum Concentrations	Location	SV04
			Sample Name	SV04_081821
			Sample Date	8/18/2021
			Sample Type	SV
			Block/Lot	Lot 36
Unit	Result			
Volatile Organic Compounds				
1,1,1,2-Tetrachloroethane	630-20-6	NS	ug/m3	<5.9 U
1,1,1-Trichloroethane	71-55-6	100	ug/m3	43 D
1,1,2,2-Tetrachloroethane	79-34-5	NS	ug/m3	<5.9 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	ug/m3	<6.6 U
1,1,2-Trichloroethane	79-00-5	NS	ug/m3	<4.7 U
1,1-Dichloroethane	75-34-3	NS	ug/m3	<3.5 U
1,1-Dichloroethene	75-35-4	6	ug/m3	<0.85 U
1,2,4-Trichlorobenzene	120-82-1	NS	ug/m3	<6.4 U
1,2,4-Trimethylbenzene	95-63-6	NS	ug/m3	9.3 D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	ug/m3	<6.6 U
1,2-Dichlorobenzene	95-50-1	NS	ug/m3	<5.2 U
1,2-Dichloroethane	107-06-2	NS	ug/m3	<3.5 U
1,2-Dichloropropane	78-87-5	NS	ug/m3	<4 U
1,2-Dichlorotetrafluoroethane	76-14-2	NS	ug/m3	<6 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NS	ug/m3	<4.2 U
1,3-Butadiene	106-99-0	NS	ug/m3	<5.7 U
1,3-Dichlorobenzene	541-73-1	NS	ug/m3	<5.2 U
1,3-Dichloropropane	142-28-9	NS	ug/m3	<4 U
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<5.2 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/m3	<6.2 U
2-Hexanone (MBK)	591-78-6	NS	ug/m3	12 D
4-Ethyltoluene	622-96-8	NS	ug/m3	6.8 D
Acetone	67-64-1	NS	ug/m3	480 D
Acrylonitrile	107-13-1	NS	ug/m3	<1.9 U
Allyl Chloride (3-Chloropropene)	107-05-1	NS	ug/m3	<13 U
Benzene	71-43-2	NS	ug/m3	2.8 D
Benzyl Chloride	100-44-7	NS	ug/m3	<4.5 U
Bromodichloromethane	75-27-4	NS	ug/m3	<5.8 U
Bromoethene	593-60-2	NS	ug/m3	<3.8 U
Bromoform	75-25-2	NS	ug/m3	<8.9 U
Bromomethane	74-83-9	NS	ug/m3	<3.3 U
Carbon Disulfide	75-15-0	NS	ug/m3	<2.7 U
Carbon Tetrachloride	56-23-5	6	ug/m3	<1.4 U
Chlorobenzene	108-90-7	NS	ug/m3	<4 U
Chloroethane	75-00-3	NS	ug/m3	<2.3 U
Chloroform	67-66-3	NS	ug/m3	7.1 D
Chloromethane	74-87-3	NS	ug/m3	<1.8 U
Cis-1,2-Dichloroethene	156-59-2	6	ug/m3	<0.85 U
Cis-1,3-Dichloropropene	10061-01-5	NS	ug/m3	<3.9 U
Cyclohexane	110-82-7	NS	ug/m3	<3 U
Dibromochloromethane	124-48-1	NS	ug/m3	<7.3 U
Dichlorodifluoromethane	75-71-8	NS	ug/m3	<4.3 U
Ethyl Acetate	141-78-6	NS	ug/m3	<6.2 U
Ethylbenzene	100-41-4	NS	ug/m3	<3.7 U
Hexachlorobutadiene	87-68-3	NS	ug/m3	<9.2 U
Isopropanol	67-63-0	NS	ug/m3	5.3 D
M,P-Xylene	179601-23-1	NS	ug/m3	16 D
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	31 D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/m3	<3.5 U
Methyl Methacrylate	80-62-6	NS	ug/m3	<3.5 U
Methylene Chloride	75-09-2	100	ug/m3	13 D
n-Heptane	142-82-5	NS	ug/m3	4.6 D
n-Hexane	110-54-3	NS	ug/m3	6.7 D
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	ug/m3	6 D
Propylene	115-07-1	NS	ug/m3	22 D
Styrene	100-42-5	NS	ug/m3	<3.7 U
Tert-Butyl Methyl Ether	1634-04-4	NS	ug/m3	<3.1 U
Tetrachloroethene (PCE)	127-18-4	100	ug/m3	1,800 D
Tetrahydrofuran	109-99-9	NS	ug/m3	<5.1 U
Toluene	108-88-3	NS	ug/m3	14 D
Trans-1,2-Dichloroethene	156-60-5	NS	ug/m3	<3.4 U
Trans-1,3-Dichloropropene	10061-02-6	NS	ug/m3	<3.9 U
Trichloroethene (TCE)	79-01-6	6	ug/m3	3.7 D
Trichlorofluoromethane	75-69-4	NS	ug/m3	<4.8 U
Vinyl Acetate	108-05-4	NS	ug/m3	<3 U
Vinyl Chloride	75-01-4	6	ug/m3	<1.1 U

Soil Vapor Sample Analytical Results

224 3rd Avenue
Brooklyn, New York
Langan Project No.: 170758101

Notes:

AA = Ambient Air

SV = Soil Vapor

CAS - Chemical Abstract Service

NS - No standard

ug/m³ = micrograms per cubic meter

NA - Not Analyzed

RL - Reporting Limit

<RL - Not detected

Soil vapor sample analytical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).

Ambient air sample analytical results are shown for reference only.

Qualifiers:

D = The concentration reported is a result of a diluted sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Exceedance Summary:

10 - Result exceeds NYSDOH Decision Matrices Minimum Concentrations

Attachment 1

Geophysical Survey Report

GEOPHYSICAL ENGINEERING SURVEY REPORT

Commercial Property
560 Degraw Street
Brooklyn, New York 11217

NOVA PROJECT NUMBER:

21-2495

DATED:

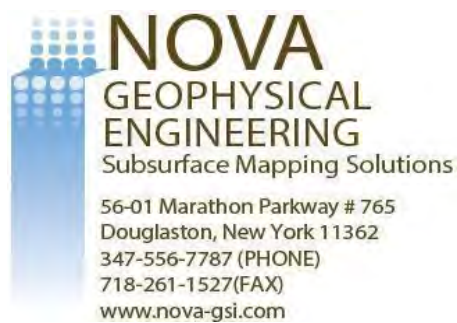
December 20, 2021

PREPARED FOR:

LANGAN

21 Penn Plaza
360 West 31st Street, 8th Floor
New York, New York 10001
www.langan.com

PREPARED BY:



NOVA GEOPHYSICAL SERVICES

SUBSURFACE MAPPING SOLUTIONS

56-01 Marathon Parkway #765, Douglaston, New York 11362
Ph. 347-556-7787 Fax. 718-261-1527
www.novagsi.com

December 20, 2021

Tyler Zorn
Senior Staff Geologist

LANGAN

21 Penn Plaza
360 West 31st Street, 8th Floor
Brooklyn, New York 11217-2727
Direct: 212.479.5499 x5732
Mobile: 603.913.7497
E: tzorn@langan.com

Re: Geophysical Engineering Survey (GES) Report
Commercial Property
560 Degraw Street
Brooklyn, New York 11217

Dear Mr. Zorn,

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site: 560 Degraw Street, Brooklyn, New York 11217 (the "Site").

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks and other substructures on December 10th, 2021.

The equipment selected for this investigation was a GSSI UtilityScan 350 MHz ground penetrating radar (GPR) with a shielded antenna Sensors and Software Noggin 250 MHz GPR with a shielded antenna and a RadioDetection RD7100 Electromagnetic utility locator.

A GPR system consists of a radar control unit, control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250/350 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulse into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and

frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

A typical electromagnetic (EM) utility locating system consists of a transmitter unit and a receiver unit. The receiver unit can be used independently of the transmitter unit in order to detect utility lines with an inherent EM signature (electric utility lines, water lines, etc.). If needed a current at a specific frequency can also be placed on a utility that is being located. This can be done via the transmitter unit by either direct connection or induction via an EM field varying at specific frequency. The receiver unit is then set to the selected frequency and the electromagnetic field created by the current running through the utility can be located allowing the utility to be marked.

GEOPHYSICAL METHODS

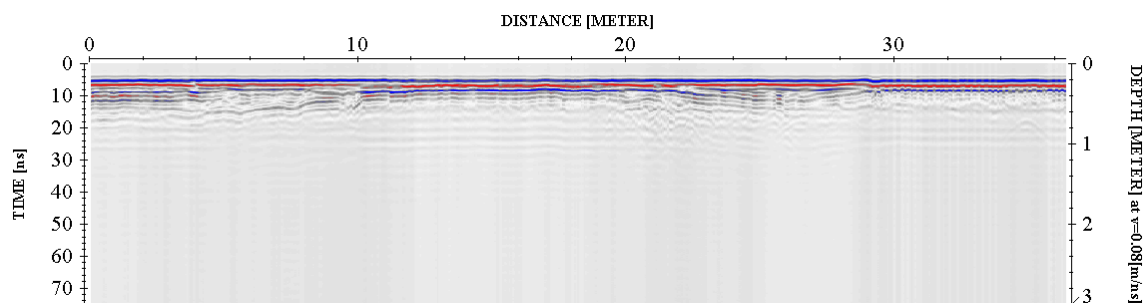
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

EM data was collected and interpreted on site and suspected utilities marked as needed. GPR data profiles were collected for the areas of the Site specified by the client and processed as specified below.

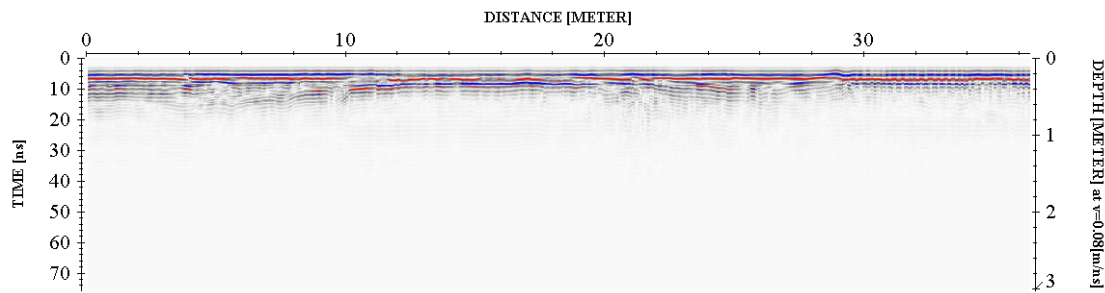
DATA PROCESSING

In order to improve the quality of the results and to better identify anomalies NOVA processed the collected data. The processing work flow is briefly described in this section.

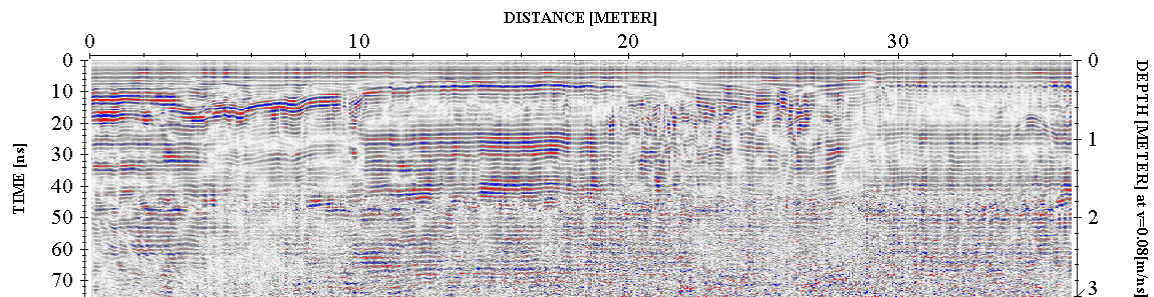
Step 1. Import Raw RAMAC data to standard processing format



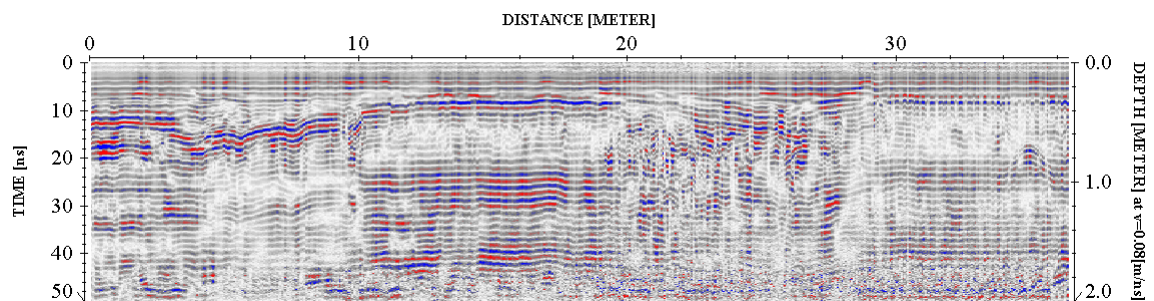
Step 2. Remove instrument noise (*dewow*)



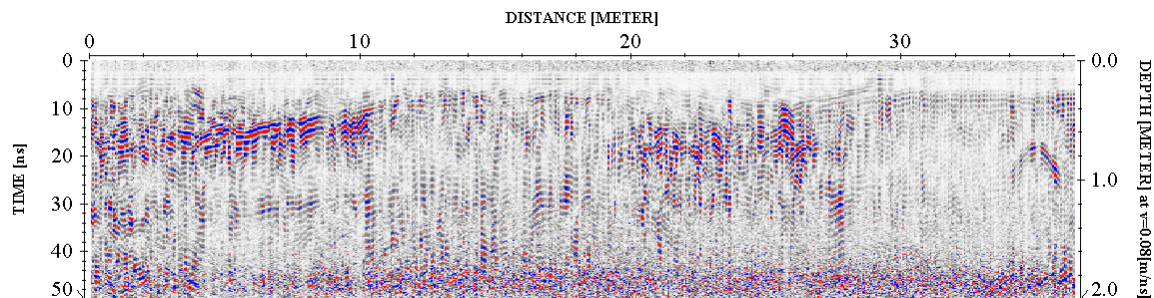
Step 3. Correct for attenuation losses (*energy decay function*)



Step 4. Remove static from bottom of profile (*time cut*)



Step 5. Mute horizontal ringing/noise (*subtracting average*)



The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and represents the subsurface anomalies much more accurately.

PHYSICAL SETTINGS

NOVA observed the following physical conditions at the time of the survey.

Weather: Clear

Temperature: 44°F

Surface: Concrete, Asphalt, Gravel

Survey Parameters: A GPR grid scan was conducted within the survey areas as shown on the survey plan. The approximate line spacing of the grid survey was approximately 6'. Additional GPR data was collected over features of interest and in the vicinity of proposed boring locations. An EM utility locator was used in conjunction with GPR throughout the survey area.

Limitations: The geophysical noise level at the site was very high due to being located in an urban environment and heavily reinforced concrete. Significant portions of the site had limited access due to parked cars and other immobile objects. A GPR grid scan was completed only in the vicinity of proposed boring locations in these areas.

RESULTS

The results of the geophysical engineering survey (GES) identified the following at the project site:

- Anomalies resembling potential subsurface utilities (such as sewer, water, gas, telecom and electric) were identified within the survey area. The approximate locations are shown in the survey plan.
- The GEs identified scattered anomaly potentially represent the former has holder area. However, due to limited access and other surrounded environmental conditions, the nature of this anomaly could not be verified at the time of the survey.
- All cleared boring locations are shown in the survey plan.

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

Sincerely,

NOVA Geophysical Services



Levent Eskicakit, P.G., E.P.

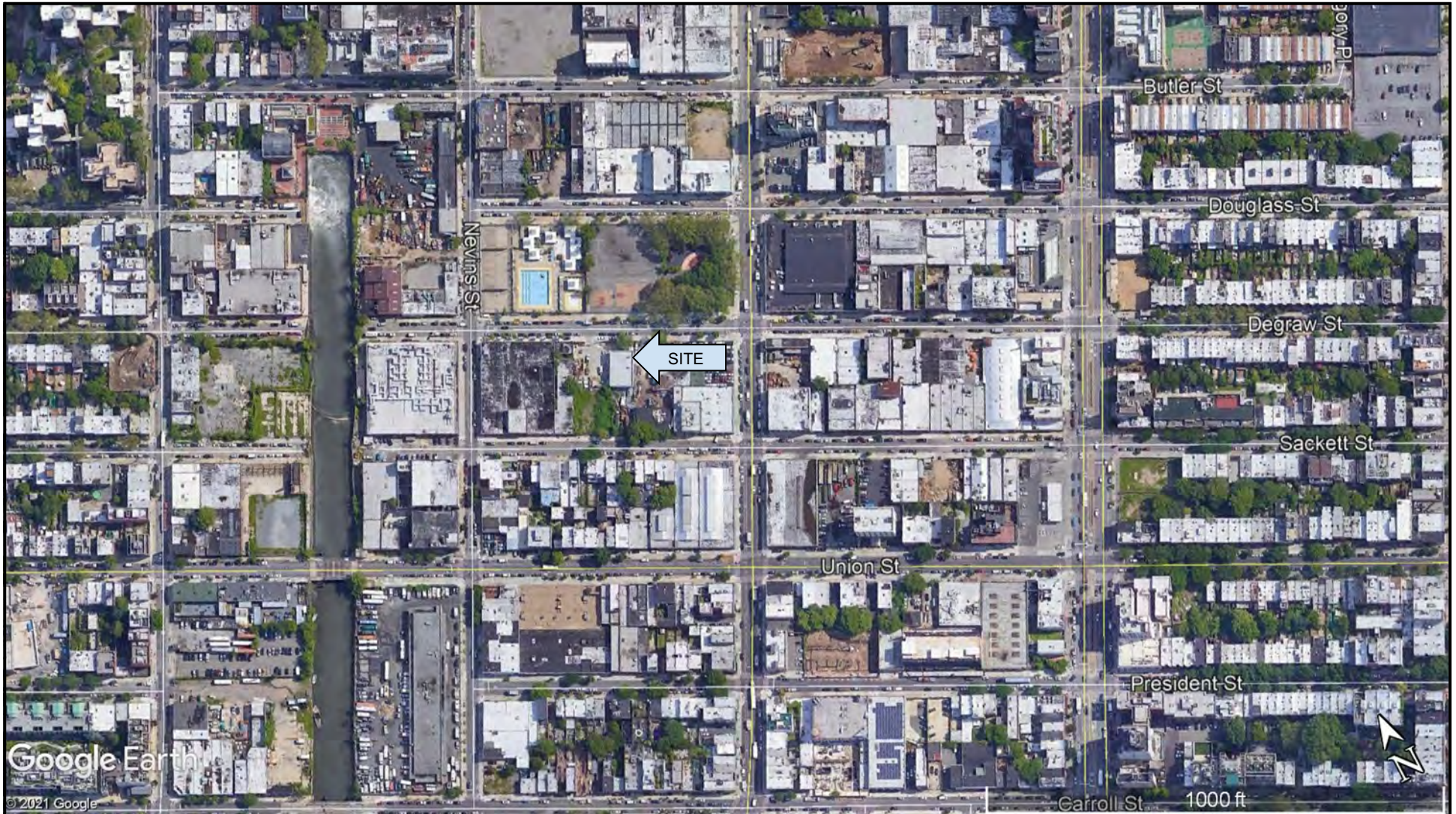
Project Engineer

Attachments:

Location Map

Survey Plan

Geophysical Images



LOCATION MAP

LEGEND

NOVA Geophysical Services

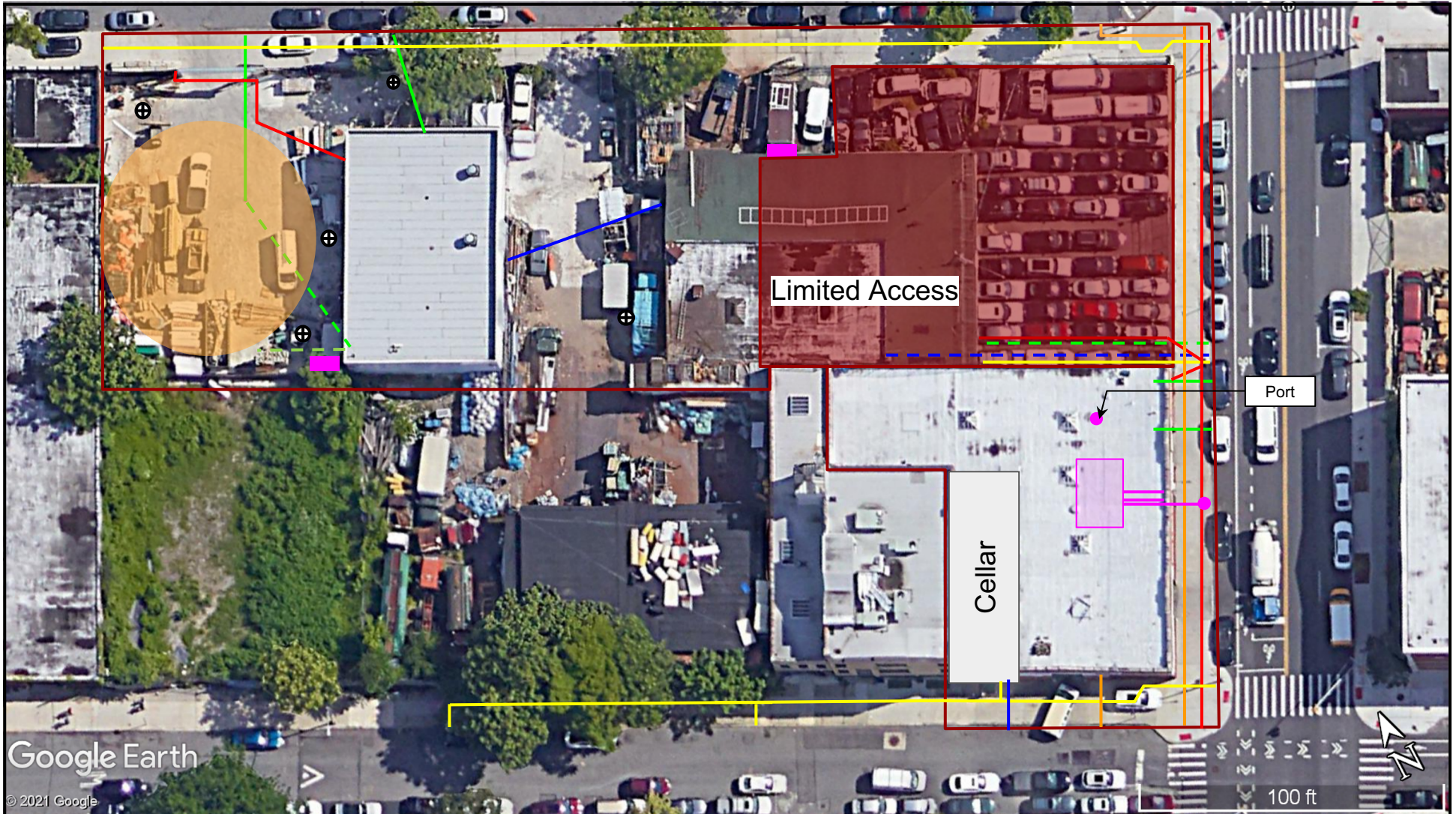
Subsurface Mapping Solutions
56-01 Marathon Parkway, # 765
Douglaston, New York 11362
Phone (347) 556-7787 * Fax (718) 261-1527
www.novagsi.com

SITE: **Commercial Site**
560 Degraw Street
Brooklyn, New York 11217

CLIENT: Langan

DATE: December 10th, 2021

AUTH: Levent E./ Chris Steinley



Google Earth

© 2021 Google

100 ft

SURVEY PLAN

LEGEND

NOVA Geophysical Services

Subsurface Mapping Solutions

56-01 Marathon Parkway, # 765

Douglaston, New York 11362

Phone (347) 556-7787 * Fax (718) 261-1527

www.novagsi.com

SITE: **Commercial Property**
560 Degraw Street
Brooklyn, New York 11217

CLIENT: Langan

DATE: December 10th, 2021

AUTH: Levent Eskicakit / Chris Steinley

- Survey Area
- Sewer
- Water
- Gas
- Electric

- AST
- UST Area
- Tank Line
- + Boring
- Potential Former Gas Holder Location

GEOPHYSICAL IMAGES

Commercial Property
560 Degraw Street
Brooklyn, New York 11217
December 10th, 2021



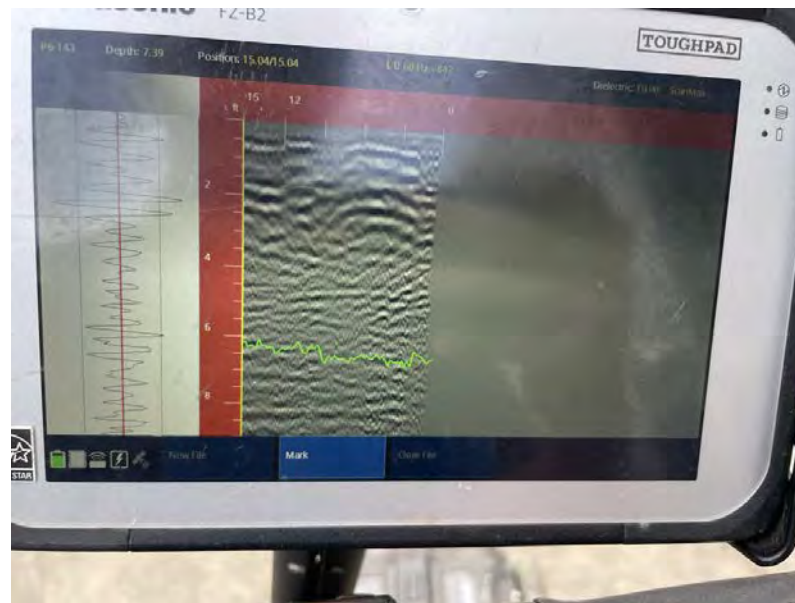
GEOPHYSICAL IMAGES

Commercial Property
560 Degraw Street,
Brooklyn, New York 11217
December 10th, 2021



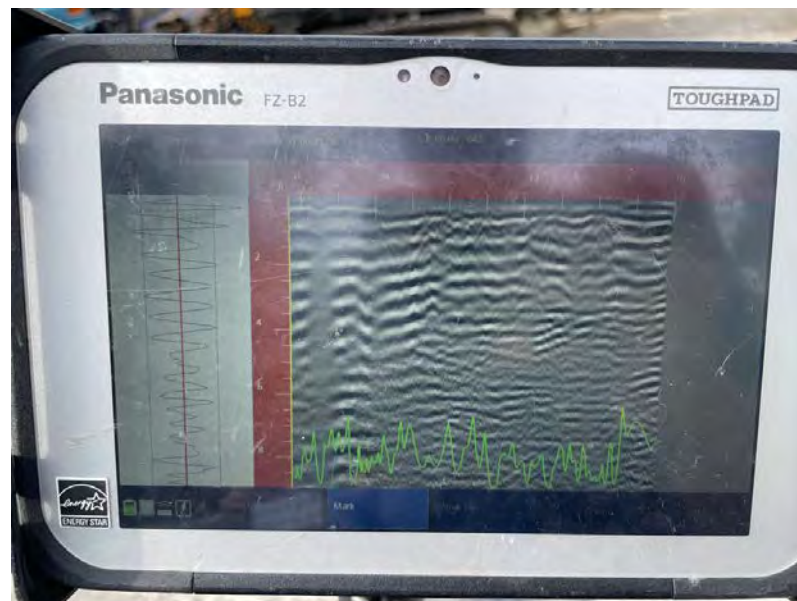
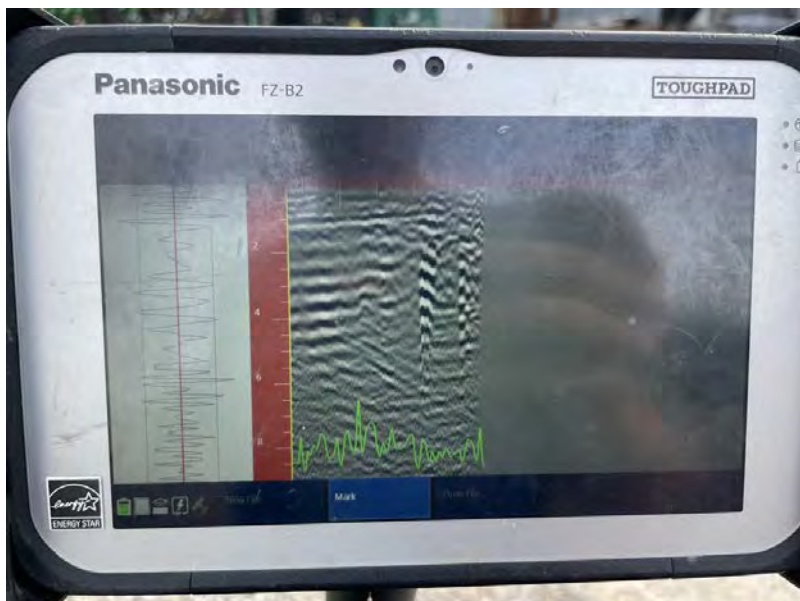
GEOPHYSICAL IMAGES

Commercial Property
560 Degraw Street,
Brooklyn, New York 11217
December 10th, 2021



GEOPHYSICAL IMAGES

Commercial Property
560 Degraw Street,
Brooklyn, New York 11217
December 10th, 2021



GEOPHYSICAL IMAGES

Commercial Property
560 Degraw Street,
Brooklyn, New York 11217
December 10th, 2021



Attachment 2
Soil Boring Logs

Project 560 Degraw Street and 224 Third Avenue				Project No. 170362002			
Location Brooklyn, NY				Elevation and Datum NA			
Drilling Company Eastern Environmental Solutions, Inc.				Date Started 8/18/21		Date Finished 8/18/21	
Drilling Equipment Geoprobe GH42				Completion Depth 16 ft		Rock Depth NA	
Size and Type of Bit 2" Direct Push				Number of Samples 4		Disturbed NA	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First ∇ 13.5		Completion ∇ NA	24 HR. ∇ NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Patrick Slavin	
Sampler 4' Macrocore 2" diameter				Field Engineer Michael Au			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

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MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data				PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Number	Type	Recov. (in)	Penetr. resist BU/in		
	M-1A (0-8") Concrete	0						
	M-1B (8-20") Grayish-brown fine SAND, trace coal ash, brick (dry)[FILL]	1						Sample SB20_1-2 collected.
	M-1C (20-28) Brown fine SAND, brick (dry)[FILL]	2	M-1	Macrocore	28/48			
	M-2A (0-6") Grayish-brown fine SAND, trace fine gravel, trace coal ash, brick (dry)[FILL]	6	M-2	Macrocore	24/48			
	M-2B (6-24") Brown fine SAND, trace silt, trace fine gravel, brick (dry)[FILL]	7						
	M-3A (0-12") Brown fine SAND, trace fine gravel (dry)[FILL]	11	M-3	Macrocore	12/48			
	M-4A (0-6") Brown fine SAND, trace fine gravel, coal fragments (wet)[FILL]	15	M-4	Macrocore	18/48			
	M-4B (6-18") Brown clayey fine SAND, trace silt (wet)[FILL]	16						
		16						E.O. B. at 16' Backfilled with drill cuttings and No. 2 sand and capped at grade with concrete.
		17						
		18						
		19						
		20						

Project 560 Degraw Street and 224 Third Avenue				Project No. 170362002			
Location Brooklyn, NY				Elevation and Datum NA			
Drilling Company Eastern Environmental Solutions, Inc.				Date Started 8/18/21		Date Finished 8/18/21	
Drilling Equipment Geoprobe GH42				Completion Depth 16 ft		Rock Depth NA	
Size and Type of Bit 2" Direct Push				Number of Samples 4		Disturbed NA	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First 11.5		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Patrick Slavin	
Sampler 4' Macrocore 2" diameter				Field Engineer Michael Au			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

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MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data				PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Number	Type	Recov. (in)	Penetr. resist. BU/in		
	M-1A (0-4") Concrete	0						
	M-1B (4-22") Grayish-brown medium SAND, some fine sand, trace coal ash, brick (dry)[FILL]	1					0.0	
		2	M-1	Macrocore	22/48		0.0	
		3						
		4						
	M-2A (0-12)" Grayish-brown medium SAND, some fine sand, trace fine gravel, trace coal ash, brick(dry)[FILL]	6	M-2	Macrocore	25/48		0.0	Sample SB21_6-7 collected.
	M-2B (12-25") Orangish-brown to tan fine SAND, trace fine gravel, brick (dry)[FILL]	7					0.0	
		8					0.0	
		9					0.0	
	M-3A (0-5") Grayish-brown fine SAND, some medium sand, trace coal ash, brick (dry)[FILL]	10	M-3	Macrocore	28/48		0.0	
	M-3B (5-10") Brick	11					0.0	
	M-3C (10-26") Brown fine SAND, trace silt (dry)[FILL]	11					0.0	
	M-3D (26-28") Grayish-brown fine SAND, trace coal ash (dry)[wet] No Recovery	12					0.0	
		13						
		14	M-4	Macrocore	0/48			
		15						
		16						E.O. B. at 16' Backfilled with drill cuttings and No. 2 sand and capped at grade with concrete.
		17						
		18						
		19						
		20						

Project 560 Degraw Street and 224 Third Avenue				Project No. 170362002			
Location Brooklyn, NY				Elevation and Datum NA			
Drilling Company Eastern Environmental Solutions, Inc.				Date Started 8/18/21		Date Finished 8/18/21	
Drilling Equipment Geoprobe GH42				Completion Depth 16 ft		Rock Depth NA	
Size and Type of Bit 2" Direct Push				Number of Samples 4		Disturbed NA	
Casing Diameter (in) NA				Casing Depth (ft) NA		Core NA	
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Water Level (ft.) First 12	
Sampler 4' Macrocore 2" diameter				Drilling Foreman Patrick Slavin			
Sampler Hammer NA				Field Engineer Michael Au			

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MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data					PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Number	Type	Recov. (in)	Penetr. resist. BLU/in			
	M-1A (0-4") Concrete	0							
	M-1B (4-12") Brown fine SAND, trace fine gravel, brick (dry)[FILL]	1					0.4		
	M-1C (12-24") Grayish-white fine SAND, some fine gravel, brick (dry)[FILL]	2	M-1	Macrocore	24/48		0.0		
		3					0.0		
		4					0.0		
	M-2A (0-10") Dark gray fine SAND, some fine gravel, trace coal ash, brick (dry)[FILL]	5					0.0		
	M-2B (10-18") Dark brown fine SAND, trace silt, trace coal ash (moist)[FILL]	6	M-2	Macrocore	18/48		0.0		
		7					0.0		
		8					0.0		
		9						Sample SB22_9-10 collected.	
	M-3A (0-6") Dark gray fine SAND, trace fine gravel, trace coal ash, brick (dry)[FILL]	10					0.0		
	M-3B (6-12") Brown fine SAND, trace fine gravel (dry)[FILL]	11	M-3	Macrocore	28/48		1.1		
	M-3C (12-18") Tannish-brown to orange fine SAND (dry)[FILL]	12					0.2		
	M-3D (18-28") Brown fine SAND, trace silt, trace fine gravel (moist)[FILL]	13					0.3		
	M-4A (0-10") Brown fine SAND, trace silt, trace fine gravel, brick (wet)[FILL]	14					0.0		
		15	M-4	Macrocore	10/48		0.1		
		16					0.0		
		17						E.O. B. at 16' Backfilled with drill cuttings and No. 2 sand and capped at grade with concrete.	
		18							
		19							
		20							

Project 560 Degraw Street and 224 Third Avenue				Project No. 170362002			
Location Brooklyn, NY				Elevation and Datum NA			
Drilling Company Eastern Environmental Solutions, Inc.				Date Started 8/18/21		Date Finished 8/18/21	
Drilling Equipment Geoprobe GH42				Completion Depth 20 ft		Rock Depth NA	
Size and Type of Bit 2" Direct Push				Number of Samples 5		Disturbed NA	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First 10.3		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Patrick Slavin	
Sampler 4' Macrocore 2" diameter				Field Engineer Michael Au			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

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MATERIAL SYMBOL	Sample Description	Depth Scale	Sample Data				PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Number	Type	Recov. (in)	Penetr. resist. BU/in		
<div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="margin-bottom: 10px;">M-1A (0-23") Gray to brown fine SAND, trace coal ash (dry)[FILL]</div> <div style="margin-bottom: 10px;">M-1B (23-29") Grayish-brown fine SAND, trace coal ash, brick (moist)[FILL]</div> <div style="margin-bottom: 10px;">M-1C (29-32") Dark brown fine SAND, trace silt (moist)[FILL]</div> <div style="margin-bottom: 10px;">M-2A (0-4") Light gray fine SAND, trace fine gravel, brick (dry)[FILL]</div> <div style="margin-bottom: 10px;">M-2B (4-10") Grayish-tan medium SAND, trace coal ash (dry)[FILL]</div> <div style="margin-bottom: 10px;">M-2C (10-26") Tannish-brown fine SAND, trace fine gravel (dry)[FILL]</div> <div style="margin-bottom: 10px;">M-3A (0-12") Dark brown to black fine SAND, trace silt, trace coal ash, brick (moist)[FILL]</div> <div style="margin-bottom: 10px;">M-3B (12-32") Brown clayey fine SAND, trace silt (wet)[FILL]</div> <div style="margin-bottom: 10px;">M-4A (0-42") Brown to dark brown fine SAND, trace silt, trace fine gravel, brick (moist)[FILL]</div> <div style="margin-bottom: 10px;">M-5A (0-18") Dark brown fine SAND, brick (moist)[FILL]</div> <div style="margin-bottom: 10px;">M-5B (18-36") Dark brown fine SAND, trace silt (moist)</div> </div>	0					0.0	<p>Sample SB23_10-11 collected.</p> <p>E.O. B. at 20' Installed MW04 screened from 10 to 20 feet bgs. Installed SV04 at 5 feet bgs. See construction logs for details.</p>	
	2	M-1	Macrocore	32/48				0.0
	4							0.0
	6	M-2	Macrocore	26/48				0.0
	8							0.0
	10	M-3	Macrocore	32/48				0.0
	12							0.0
	14	M-4	Macrocore	42/48				0.0
	16							0.0
	18	M-5	Macrocore	36/48				0.0
	20							0.0
	22							0.0
	24							0.0
	25							0.0

Attachment 3

Monitoring Well Construction and Groundwater Sampling Logs

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. MW04

PROJECT 560 Degraw Street and 224 Third Avenue		PROJECT NO. 170362002	
LOCATION Brooklyn, New York		ELEVATION AND DATUM N/A	
DRILLING AGENCY Eastern Environmental Solutions, Inc.		DATE STARTED 8/18/2021	DATE FINISHED 8/18/2021
DRILLING EQUIPMENT Geoprobe® GH42		DRILLER Patrick Slavin	
SIZE AND TYPE OF BIT 2-inch Direct Push		INSPECTOR Michael Au	
BOREHOLE DIAMETER 2 inches		TYPE OF WELL (OVERBURDEN / BEDROCK) Overburden	
RISER MATERIAL PVC	DIAMETER 1 inch	TYPE OF BACKFILL MATERIAL Sand	
TYPE OF SCREEN PVC No. 20 Slot	DIAMETER 1 inch	TYPE OF WELL PACK No. 2 Sand	TYPE OF SEAL MATERIAL Bentonite

METHOD OF INSTALLATION
Geoprobe GH42 was used to advance soil boring SB23 to approximately 20 feet below grade surface (bgs). A 1-inch PVC temporary monitoring well was installed, which consisted of 10 feet of 20-slot (0.020-inch) well screen, and 10 feet of PVC riser. Well screen was installed from approximately 10 to 20 feet bgs with riser from 10 feet bgs to grade surface. The annular space of the monitoring well was backfilled with No. 2 sand to 2 inches bgs and the upper 2 inches of the borehole was sealed to grade surface with bentonite. Following groundwater sample collection, the temporary monitoring well was removed, the borehole was filled to grade surface with No. 2 sand and was patched with portland cement.

WELL DEVELOPMENT DATA			
SURGE BLOCK DIAMETER	N/A	TYPE PUMP	Peristaltic
DRILLER OR LANGAN	Langan	MAX PUMP RATE	0.5 LPM
NUMBER OF SURGE CYCLES	N/A	TOTAL VOLUME	1 Gallon

TOP OF CASING	ELEVATION	DEPTH (ft)		SUMMARY SOIL CLASSIFICATION Refer to Soil Boring Logs	DEPTH (FT) 0 10 20
	N/A	0.0			
TOP OF SEAL	ELEVATION	DEPTH (ft)			
	N/A	0.0			
TOP OF FILTER	ELEVATION	DEPTH (ft)			
	N/A	0.2			
TOP OF SCREEN	ELEVATION	DEPTH (ft)			
	N/A	10.0			
BOTTOM OF BORING	ELEVATION	DEPTH (ft)			
	N/A	20.0			
SCREEN LENGTH			10 feet		
SLOT SIZE			No. 20 Slot; 0.020 Inches		
GROUNDWATER ELEVATIONS					
ELEVATION	DATE	DEPTH TO WATER			
N/A	8/18/2021	10.50 ft			
ELEVATION	DATE	DEPTH TO WATER			
N/A	8/18/2021	13.75 ft			
ELEVATION	DATE	DEPTH TO WATER			
ELEVATION	DATE	DEPTH TO WATER			
ELEVATION	DATE	DEPTH TO WATER			

LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

21 Penn Plaza, 360 West 31st Street, 8th Floor, New York

Project Information		Well Information		Equipment Information			Sampling Conditions			Sampling Information	
Project Name:	560 Degraw Street and 224 Third Avenue	Well No:	MW04	Water Quality Device Model:	Horiba U-52	Weather:	75°-82°F, Partly Cloudy		Sample(s): MW04_081821		
Project Number:	170362002	Well Depth:	20 feet	Pine Number:	25324	Background PID (ppm):	0.0				
Site Location:	Brooklyn, NY	Well Diameter:	1 inch	Pump Make and Model:	Pine Peristaltic Pump	PID Beneath Inner Cap (ppm):	0.6		Sample Date: 8/18/2021		
Sampling Personnel:	Gabriel Enriquez Castro	Well Screen Interval:	10 feet	Pine Number:	44667	Pump Intake Depth:	17 feet				
			20 feet	Tubing Diameter:	1/4" ID x 3/8" OD	Depth to Water Before Purge:	13.75 feet		Sample Time: 14:18		
STABILIZATION = 3 successive readings within limits											
TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
13:21	20.85	6.73	-105	7.810	0.0	2.98	13.75	-	0.00	dark brown, slight odor, slight sheen	N/A
13:26	20.80	6.77	-99	7.790	0.0	3.70	-	0.1	0.25	dark brown, slight odor, slight sheen	N/A
13:31	20.54	6.78	-95	7.770	799.0	3.84	-	0.1	1.00	clear, slight odor, slight sheen	N
13:36	20.25	6.81	-100	7.650	639.0	4.17	-	0.1	1.25	clear, slight odor, slight sheen	N
13:41	20.71	6.83	-103	7.510	222.0	4.41	-	0.1	1.50	clear, slight odor, slight sheen	N
13:46	20.03	6.74	-94	7.650	165.0	3.64	-	0.1	1.75	clear, slight odor, slight sheen	N
13:51	20.11	6.80	-99	7.680	71.5	4.24	-	0.1	2.00	clear, slight odor, slight sheen	N
13:56	20.17	6.79	-97	7.640	54.0	4.21	-	0.1	2.25	clear, slight odor, slight sheen	N
14:01	21.00	6.83	-98	7.500	50.2	4.09	-	0.1	2.50	clear, slight odor, slight sheen	N
14:06	21.26	6.84	-102	7.590	52.5	4.30	-	0.1	2.75	clear, slight odor, slight sheen	N
14:11	21.57	6.85	-102	7.590	52.7	4.22	14.00	0.1	3.00	clear, slight odor, slight sheen	Y
Notes:											
1. Well depths and groundwater depths were measured in feet below the top of well casing.											
2. Well and tubing diameters are measured in inches.											
3. PID = Photoionization Detector											
4. PPM = Parts per million											
5. pH = Hydrogen ion concentration											
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)											
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)											
8. DTW = Depth to water											
9. mS/cm = milli-Siemens per centimeter											
10. NTU = Nephelometric Turbidity Unit											
LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York											

Attachment 4

Soil Vapor Sampling Log

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV04_081821

PROJECT: 560 Degraw Street and 224 Third Avenue	PROJECT NO.: 170362002	
LOCATION: Brooklyn, New York	SURFACE ELEVATION AND DATUM: -	
DRILLING FIRM OR LANGAN INSTALLER: Eastern Environmental Solutions, Inc.	INSTALLATION DATE STARTED: 8/18/2021	DATE FINISHED: 8/18/2021
INSTALLATION FOREMAN: Patrick Slavin	SAMPLE DATE STARTED: 8/18/2021	DATE FINISHED: 8/18/2021
INSTALLATION EQUIPMENT: Geoprobe® GH42	TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister	
INSPECTOR: Michael Au	SAMPLER: Michael Au	
POTENTIAL SAMPLE INTERFERENCES: None Observed	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 75-82 °F Wind: 0-5 mph ESE Precipitation: None Pressure: 30.24 in. Hg	

METHOD OF INSTALLATION AND PURGING:
Eastern Environmental advanced a borehole to 5 feet below grade surface (bgs) using a Geoprobe® GH42 drill rig. Eastern Environmental installed a 1 7/8-inch-long polyethylene soil vapor probe, terminating at 5 feet bgs, backfilled the annular space with No. 2 sand to about 6 inches bgs and sealed the borehole to surface grade using hydrated bentonite.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	TYPE OF MATERIAL ABOVE SEAL: Seal was installed flush with the surrounding grade surface
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe	SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite

BOREHOLE DIAMETER: 2 inches	FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 Sand
---------------------------------------	--

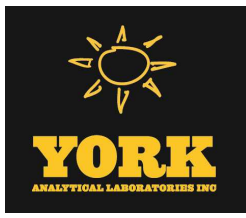
	PURGE VOLUME (L):		PURGE FLOW RATE (ML/MIN):		PID AFTER PURGE (PPM):		IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
	Pre-sampling	Post-sampling	Pre-sampling	Post-sampling	Pre-sampling	Post-sampling			
		0.40		200		0.5		0.00	Sealed to surface grade with hydrated bentonite
HELIUM TESTS									
HELIUM TEST IN BUCKET(%):	25.2%	15.5%							
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%							
SAMPLE START TIME:		13:10							
SAMPLE STOP TIME:		15:10							
TOTAL SAMPLE TIME (MIN):		120					0.50	Annular space backfilled with No. 2 sand	
REGULATOR FLOW RATE (L/MIN):		0.04086							
VOLUME OF SAMPLE (LITERS):		4.9032							
PID AFTER SAMPLE (PPM):		0.2							
SAMPLE MOISTURE CONTENT:		-							
CAN SERIAL NUMBER:		17351							
REGULATOR SERIAL NUMBER:		Y-24							
CAN START VACUUM PRESS. (" HG):		-28.97							
CAN STOP VACUUM PRESS. (" HG):		-6.49							
SAMPLE LOCATION SKETCH									5.00
See Sample Location Plan									

NOTES

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

Attachment 5

Laboratory Analytical Reports



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: 08/26/2021

Client Project ID: 170362002

York Project (SDG) No.: 21H0946



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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ClientServices@yorklab.com

Report Date: 08/26/2021
Client Project ID: 170362002
York Project (SDG) No.: 21H0946

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 August 18, 2021 and listed below. The project was identified as your project: **170362002**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
21H0946-01	SB20_1-2	Soil	08/18/2021	08/18/2021
21H0946-02	SB21_6-7	Soil	08/18/2021	08/18/2021
21H0946-03	SB22_9-10	Soil	08/18/2021	08/18/2021
21H0946-04	SB23_10-11	Soil	08/18/2021	08/18/2021
21H0946-05	SB24_1-2	Soil	08/18/2021	08/18/2021
21H0946-06	Trip Blank	Water	08/18/2021	08/18/2021

not part of
proposed
BCP site

General Notes for York Project (SDG) No.: 21H0946

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

Approved By



Cassie L. Mosher
Laboratory Manager

Date: 08/26/2021





Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

<u>York Project (SDG) No.</u> 21H0946	<u>Client Project ID</u> 170362002	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 18, 2021 9:15 am	<u>Date Received</u> 08/18/2021
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 19:17	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 19:17	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.062	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA



Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:15 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
67-64-1	Acetone	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA



Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:15 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
127-18-4	Tetrachloroethylene	0.0069	CCV-E	mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH	08/20/2021 06:00	08/20/2021 19:17	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA



Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21H0946

170362002

Soil

August 18, 2021 9:15 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:17	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 19:17	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

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
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH



Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

York Project (SDG) No.

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21H0946

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Soil

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08/18/2021

Semi-Volatiles, 8270 - Comprehensive

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
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
83-32-9	Acenaphthene	0.0552	J	mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
208-96-8	Acenaphthylene	0.0493	J	mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
62-53-3	Aniline	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH



Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

York Project (SDG) No.

Client Project ID

Matrix

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21H0946

170362002

Soil

August 18, 2021 9:15 am

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

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	0.169		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
56-55-3	Benzo(a)anthracene	0.761		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
50-32-8	Benzo(a)pyrene	0.725		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
205-99-2	Benzo(b)fluoranthene	0.555		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
191-24-2	Benzo(g,h,i)perylene	0.464		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
207-08-9	Benzo(k)fluoranthene	0.545		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
86-74-8	Carbazole	0.0597	J	mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
218-01-9	Chrysene	0.682		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
53-70-3	Dibenzo(a,h)anthracene	0.124		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH



Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

York Project (SDG) No.

Client Project ID

Matrix

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21H0946

170362002

Soil

August 18, 2021 9:15 am

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

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
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications:	08/24/2021 08:04	08/24/2021 16:22	KH
206-44-0	Fluoranthene	1.34		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.607		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
91-20-3	Naphthalene	0.0590	J	mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
85-01-8	Phenanthrene	0.747		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
108-95-2	Phenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH
129-00-0	Pyrene	1.28		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:22	KH

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

<u>York Project (SDG) No.</u> 21H0946	<u>Client Project ID</u> 170362002	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 18, 2021 9:15 am	<u>Date Received</u> 08/18/2021
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Semi-Volatiles, 8270 - Comprehensive

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
367-12-4	Surrogate: SURRE: 2-Fluorophenol	47.9 %			20-108						
4165-62-2	Surrogate: SURRE: Phenol-d5	41.5 %			23-114						
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	58.5 %			22-108						
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	57.5 %			21-113						
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	78.3 %			19-110						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	73.7 %			24-116						

Polychlorinated Biphenyls (PCB)

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	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:37	BJ	
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:37	BJ	
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:37	BJ	
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:37	BJ	
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:37	BJ	
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:37	BJ	
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:37	BJ	
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications:	08/25/2021 07:55	08/25/2021 13:37	BJ	
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	86.5 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	52.5 %	30-140								

Metals, Target Analyte

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
7429-90-5	Aluminum	8470		mg/kg dry	5.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-36-0	Antimony	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-38-2	Arsenic	8.07		mg/kg dry	1.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM



Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:15 am

08/18/2021

Metals, Target Analyte

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
7440-39-3	Barium	202		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-41-7	Beryllium	0.151		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-43-9	Cadmium	1.36		mg/kg dry	0.346	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-70-2	Calcium	8630	B	mg/kg dry	5.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-47-3	Chromium	18.3		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-48-4	Cobalt	8.82		mg/kg dry	0.461	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-50-8	Copper	514		mg/kg dry	2.31	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7439-89-6	Iron	14900		mg/kg dry	28.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7439-92-1	Lead	555		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7439-95-4	Magnesium	1720		mg/kg dry	5.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7439-96-5	Manganese	213		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-02-0	Nickel	24.5		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-09-7	Potassium	1400		mg/kg dry	5.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7782-49-2	Selenium	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-22-4	Silver	ND		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-23-5	Sodium	857		mg/kg dry	57.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-28-0	Thallium	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-62-2	Vanadium	25.1		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM
7440-66-6	Zinc	652		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:23	EM

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
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



Sample Information

Client Sample ID: SB20_1-2

York Sample ID: 21H0946-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:15 am

08/18/2021

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	2.93		mg/kg dry	0.0346	1	EPA 7473	08/25/2021 08:22	08/25/2021 14:01	MAO
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.7		%	0.100	1	SM 2540G	08/24/2021 18:38	08/25/2021 13:37	VR
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

<u>York Project (SDG) No.</u> 21H0946	<u>Client Project ID</u> 170362002	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 18, 2021 9:50 am	<u>Date Received</u> 08/18/2021
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 19:43	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 19:43	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:50 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
67-64-1	Acetone	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:50 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-09-2	Methylene chloride	0.0065	J	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
127-18-4	Tetrachloroethylene	0.0045	CCV-E, J	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH	08/20/2021 06:00	08/20/2021 19:43	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:50 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 19:43	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 19:43	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	101 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

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
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:50 am

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

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
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
62-53-3	Aniline	ND		mg/kg dry	0.200	0.400	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:50 am

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

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	0.137		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
92-87-5	Benzidine	ND		mg/kg dry	0.200	0.400	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
56-55-3	Benzo(a)anthracene	0.402		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
50-32-8	Benzo(a)pyrene	0.374		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
205-99-2	Benzo(b)fluoranthene	0.295		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
191-24-2	Benzo(g,h,i)perylene	0.250		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
207-08-9	Benzo(k)fluoranthene	0.280		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
86-74-8	Carbazole	0.0583	J	mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
218-01-9	Chrysene	0.370		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
53-70-3	Dibenzo(a,h)anthracene	0.0583	J	mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:50 am

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

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
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0999	0.200	2	EPA 8270D Certifications:	08/24/2021 08:04	08/24/2021 16:53	KH
206-44-0	Fluoranthene	0.923		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.316		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
85-01-8	Phenanthrene	0.661		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
108-95-2	Phenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH
129-00-0	Pyrene	0.786		mg/kg dry	0.0501	0.0999	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 16:53	KH

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:50 am

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

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
367-12-4	Surrogate: SURRE: 2-Fluorophenol	23.5 %			20-108						
4165-62-2	Surrogate: SURRE: Phenol-d5	34.5 %			23-114						
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	53.9 %			22-108						
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	56.6 %			21-113						
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	19.4 %			19-110						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	68.7 %			24-116						

Polychlorinated Biphenyls (PCB)

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	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:51	BJ	
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:51	BJ	
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:51	BJ	
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:51	BJ	
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:51	BJ	
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:51	BJ	
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 13:51	BJ	
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications:	08/25/2021 07:55	08/25/2021 13:51	BJ	
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	88.0 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	54.5 %			30-140						

Metals, Target Analyte

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
7429-90-5	Aluminum	11700		mg/kg dry	6.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-36-0	Antimony	ND		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-38-2	Arsenic	8.71		mg/kg dry	1.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 9:50 am

08/18/2021

Metals, Target Analyte

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
7440-39-3	Barium	316		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-43-9	Cadmium	ND		mg/kg dry	0.363	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-70-2	Calcium	30000	B	mg/kg dry	6.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-47-3	Chromium	21.1		mg/kg dry	0.605	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-48-4	Cobalt	11.7		mg/kg dry	0.484	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-50-8	Copper	75.1		mg/kg dry	2.42	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7439-89-6	Iron	12600		mg/kg dry	30.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7439-92-1	Lead	682		mg/kg dry	0.605	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7439-95-4	Magnesium	2890		mg/kg dry	6.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7439-96-5	Manganese	252		mg/kg dry	0.605	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-02-0	Nickel	24.6		mg/kg dry	1.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-09-7	Potassium	2390		mg/kg dry	6.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7782-49-2	Selenium	ND		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-22-4	Silver	ND		mg/kg dry	0.605	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-23-5	Sodium	1590		mg/kg dry	60.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-28-0	Thallium	ND		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-62-2	Vanadium	37.2		mg/kg dry	1.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM
7440-66-6	Zinc	214		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:26	EM

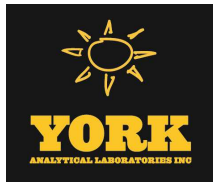
Mercury by 7473

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
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



Sample Information

Client Sample ID: SB21_6-7

York Sample ID: 21H0946-02

<u>York Project (SDG) No.</u> 21H0946	<u>Client Project ID</u> 170362002	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 18, 2021 9:50 am	<u>Date Received</u> 08/18/2021
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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	3.80		mg/kg dry	0.0363	1	EPA 7473	08/25/2021 08:22	08/25/2021 14:14	MAO	
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	82.6		%	0.100	1	SM 2540G	08/24/2021 18:38	08/25/2021 13:37	VR	
							Certifications:	CTDOH			



Sample Information

Client Sample ID: SB22_9-10

York Sample ID: 21H0946-03

<u>York Project (SDG) No.</u> 21H0946	<u>Client Project ID</u> 170362002	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 18, 2021 11:00 am	<u>Date Received</u> 08/18/2021
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 20:09	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 20:09	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.075	0.15	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA



Sample Information

Client Sample ID: SB22_9-10

York Sample ID: 21H0946-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 11:00 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
67-64-1	Acetone	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA



Sample Information

Client Sample ID: SB22_9-10

York Sample ID: 21H0946-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 11:00 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-09-2	Methylene chloride	0.014	J	mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
127-18-4	Tetrachloroethylene	0.12	CCV-E	mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH	08/20/2021 06:00	08/20/2021 20:09	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:09	KHA



Sample Information

Client Sample ID: SB22_9-10

York Sample ID: 21H0946-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 11:00 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Trichlorofluoromethane, Vinyl Chloride, Xylenes, Total, and Surrogate Recoveries.

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 1,1-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Diphenylhydrazine, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol.



Sample Information

Client Sample ID: SB22_9-10

York Sample ID: 21H0946-03

<u>York Project (SDG) No.</u> 21H0946	<u>Client Project ID</u> 170362002	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 18, 2021 11:00 am	<u>Date Received</u> 08/18/2021
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Semi-Volatiles, 8270 - Comprehensive

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
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
208-96-8	Acenaphthylene	0.173		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
62-53-3	Aniline	ND		mg/kg dry	0.188	0.376	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH



Sample Information

Client Sample ID: SB22_9-10

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Soil

August 18, 2021 11:00 am

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

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	0.344		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.376	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
56-55-3	Benzo(a)anthracene	0.678		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
50-32-8	Benzo(a)pyrene	0.705		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
205-99-2	Benzo(b)fluoranthene	0.453		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
191-24-2	Benzo(g,h,i)perylene	0.368		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
207-08-9	Benzo(k)fluoranthene	0.513		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
65-85-0	Benzoic acid	0.123		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
86-74-8	Carbazole	0.101		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
218-01-9	Chrysene	0.555		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
53-70-3	Dibenzo(a,h)anthracene	0.170		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
132-64-9	Dibenzofuran	0.0871	J	mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH



Sample Information

Client Sample ID: SB22_9-10

York Sample ID: 21H0946-03

<u>York Project (SDG) No.</u> 21H0946	<u>Client Project ID</u> 170362002	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 18, 2021 11:00 am	<u>Date Received</u> 08/18/2021
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Semi-Volatiles, 8270 - Comprehensive

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
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications:	08/24/2021 08:04	08/24/2021 17:24	KH
206-44-0	Fluoranthene	1.52		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
86-73-7	Fluorene	0.0908	J	mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.444		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
85-01-8	Phenanthrene	1.29		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
108-95-2	Phenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH
129-00-0	Pyrene	0.985		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:24	KH

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: SB22_9-10

York Sample ID: 21H0946-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 11:00 am

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

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
367-12-4	Surrogate: SURRE: 2-Fluorophenol	41.0 %			20-108						
4165-62-2	Surrogate: SURRE: Phenol-d5	38.4 %			23-114						
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	46.5 %			22-108						
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	49.4 %			21-113						
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	58.1 %			19-110						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	49.0 %			24-116						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:04	BJ	
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:04	BJ	
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:04	BJ	
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:04	BJ	
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:04	BJ	
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:04	BJ	
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:04	BJ	
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	08/25/2021 07:55	08/25/2021 14:04	BJ	
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	75.5 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	52.0 %	30-140								

Metals, Target Analyte

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
7429-90-5	Aluminum	7530		mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-36-0	Antimony	ND		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-38-2	Arsenic	2.18		mg/kg dry	1.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM





Sample Information

Client Sample ID: SB22_9-10

York Sample ID: 21H0946-03

<u>York Project (SDG) No.</u> 21H0946	<u>Client Project ID</u> 170362002	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 18, 2021 11:00 am	<u>Date Received</u> 08/18/2021
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Metals, Target Analyte

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
7440-39-3	Barium	70.2		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-43-9	Cadmium	0.352		mg/kg dry	0.342	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-70-2	Calcium	9140	B	mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-47-3	Chromium	14.2		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-48-4	Cobalt	8.09		mg/kg dry	0.456	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-50-8	Copper	44.8		mg/kg dry	2.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7439-89-6	Iron	16100		mg/kg dry	28.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7439-92-1	Lead	293		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7439-95-4	Magnesium	2580		mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7439-96-5	Manganese	226		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-02-0	Nickel	23.7		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-09-7	Potassium	1350		mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7782-49-2	Selenium	ND		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-22-4	Silver	ND		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-23-5	Sodium	215		mg/kg dry	57.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-28-0	Thallium	ND		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-62-2	Vanadium	19.2		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM
7440-66-6	Zinc	291		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:29	EM

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
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



Sample Information

Client Sample ID: SB22_9-10

York Sample ID: 21H0946-03

<u>York Project (SDG) No.</u> 21H0946	<u>Client Project ID</u> 170362002	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 18, 2021 11:00 am	<u>Date Received</u> 08/18/2021
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7439-97-6	Mercury	1.12		mg/kg dry	0.0342	1	EPA 7473	08/25/2021 08:22	08/25/2021 14:26	MAO	
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	87.7		%	0.100	1	SM 2540G	08/24/2021 18:38	08/25/2021 13:37	VR	
							Certifications:	CTDOH			



Sample Information

Client Sample ID: SB23_10-11

York Sample ID: 21H0946-04

<u>York Project (SDG) No.</u> 21H0946	<u>Client Project ID</u> 170362002	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 18, 2021 12:00 pm	<u>Date Received</u> 08/18/2021
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 20:35	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 20:35	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.071	0.14	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA



Sample Information

Client Sample ID: SB23_10-11

York Sample ID: 21H0946-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 12:00 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
67-64-1	Acetone	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA



Sample Information

Client Sample ID: SB23_10-11

York Sample ID: 21H0946-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 12:00 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH	08/20/2021 06:00	08/20/2021 20:35	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA



Sample Information

Client Sample ID: SB23_10-11

York Sample ID: 21H0946-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 12:00 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 20:35	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.021	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 20:35	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	110 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	101 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

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
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH



Sample Information

Client Sample ID: SB23_10-11

York Sample ID: 21H0946-04

<u>York Project (SDG) No.</u> 21H0946	<u>Client Project ID</u> 170362002	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 18, 2021 12:00 pm	<u>Date Received</u> 08/18/2021
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Semi-Volatiles, 8270 - Comprehensive

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
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
62-53-3	Aniline	ND		mg/kg dry	0.214	0.429	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH



Sample Information

Client Sample ID: SB23_10-11

York Sample ID: 21H0946-04

York Project (SDG) No.

Client Project ID

Matrix

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21H0946

170362002

Soil

August 18, 2021 12:00 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

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	0.0855	J	mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
92-87-5	Benzidine	ND		mg/kg dry	0.214	0.429	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
56-55-3	Benzo(a)anthracene	0.235		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
50-32-8	Benzo(a)pyrene	0.255		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
205-99-2	Benzo(b)fluoranthene	0.198		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
191-24-2	Benzo(g,h,i)perylene	0.150		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
207-08-9	Benzo(k)fluoranthene	0.174		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
218-01-9	Chrysene	0.208		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH



Sample Information

Client Sample ID: SB23_10-11

York Sample ID: 21H0946-04

York Project (SDG) No.

Client Project ID

Matrix

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21H0946

170362002

Soil

August 18, 2021 12:00 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

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
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications:	08/24/2021 08:04	08/24/2021 17:55	KH
206-44-0	Fluoranthene	0.501		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.199		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
85-01-8	Phenanthrene	0.375		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
108-95-2	Phenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH
129-00-0	Pyrene	0.412		mg/kg dry	0.0536	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 17:55	KH

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: SB23_10-11

York Sample ID: 21H0946-04

York Project (SDG) No.

Client Project ID

Matrix

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21H0946

170362002

Soil

August 18, 2021 12:00 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

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
367-12-4	Surrogate: SURRE: 2-Fluorophenol	38.0 %			20-108						
4165-62-2	Surrogate: SURRE: Phenol-d5	33.2 %			23-114						
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	44.8 %			22-108						
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	55.7 %			21-113						
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	59.9 %			19-110						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	68.2 %			24-116						

Polychlorinated Biphenyls (PCB)

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	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:18	BJ	
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:18	BJ	
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:18	BJ	
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:18	BJ	
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:18	BJ	
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:18	BJ	
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/25/2021 07:55	08/25/2021 14:18	BJ	
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications:	08/25/2021 07:55	08/25/2021 14:18	BJ	
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	84.5 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	49.5 %	30-140								

Metals, Target Analyte

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
7429-90-5	Aluminum	9100		mg/kg dry	6.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-36-0	Antimony	ND		mg/kg dry	3.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-38-2	Arsenic	8.56		mg/kg dry	1.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM





Sample Information

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170362002

Soil

August 18, 2021 12:00 pm

08/18/2021

Metals, Target Analyte

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
7440-39-3	Barium	182		mg/kg dry	3.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-41-7	Beryllium	1.45		mg/kg dry	0.065	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-43-9	Cadmium	1.56		mg/kg dry	0.387	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-70-2	Calcium	9370	B	mg/kg dry	6.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-47-3	Chromium	14.2		mg/kg dry	0.646	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-48-4	Cobalt	13.0		mg/kg dry	0.517	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-50-8	Copper	252		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7439-89-6	Iron	19800		mg/kg dry	32.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7439-92-1	Lead	652		mg/kg dry	0.646	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7439-95-4	Magnesium	1010		mg/kg dry	6.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7439-96-5	Manganese	301		mg/kg dry	0.646	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-02-0	Nickel	23.4		mg/kg dry	1.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-09-7	Potassium	1390		mg/kg dry	6.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7782-49-2	Selenium	ND		mg/kg dry	3.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-22-4	Silver	ND		mg/kg dry	0.646	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-23-5	Sodium	960		mg/kg dry	64.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-28-0	Thallium	ND		mg/kg dry	3.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-62-2	Vanadium	33.5		mg/kg dry	1.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM
7440-66-6	Zinc	771		mg/kg dry	3.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:31	EM

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
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



Sample Information

Client Sample ID: SB23_10-11

York Sample ID: 21H0946-04

<u>York Project (SDG) No.</u> 21H0946	<u>Client Project ID</u> 170362002	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 18, 2021 12:00 pm	<u>Date Received</u> 08/18/2021
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7439-97-6	Mercury	0.953		mg/kg dry	0.0387	1	EPA 7473	08/25/2021 08:22	08/25/2021 14:39	MAO	
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	77.4		%	0.100	1	SM 2540G	08/24/2021 18:38	08/25/2021 13:37	VR	
							Certifications:	CTDOH			



Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 2:30 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 21:01	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 21:01	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.060	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA



Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 2:30 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
67-64-1	Acetone	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA



Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 2:30 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH	08/20/2021 06:00	08/20/2021 21:01	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA



Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 2:30 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/20/2021 06:00	08/20/2021 21:01	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0090	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/20/2021 06:00	08/20/2021 21:01	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

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
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH



Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 2:30 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

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
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
91-57-6	2-Methylnaphthalene	0.317		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
83-32-9	Acenaphthene	0.326		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
208-96-8	Acenaphthylene	0.145		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
62-53-3	Aniline	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH



Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 2:30 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

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	0.796		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
92-87-5	Benzidine	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
56-55-3	Benzo(a)anthracene	2.06		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
50-32-8	Benzo(a)pyrene	1.83		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
205-99-2	Benzo(b)fluoranthene	1.92		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
191-24-2	Benzo(g,h,i)perylene	1.36		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
207-08-9	Benzo(k)fluoranthene	1.51		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
86-74-8	Carbazole	0.311		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
218-01-9	Chrysene	2.15		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
53-70-3	Dibenzo(a,h)anthracene	0.508		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
132-64-9	Dibenzofuran	0.200		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH



Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 2:30 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive

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
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications:	08/24/2021 08:04	08/24/2021 18:27	KH
206-44-0	Fluoranthene	4.09		mg/kg dry	0.119	0.237	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/25/2021 09:43	KH
86-73-7	Fluorene	0.319		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
193-39-5	Indeno(1,2,3-cd)pyrene	1.78		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
91-20-3	Naphthalene	0.680		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
85-01-8	Phenanthrene	3.85		mg/kg dry	0.119	0.237	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/25/2021 09:43	KH
108-95-2	Phenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/24/2021 18:27	KH
129-00-0	Pyrene	3.83		mg/kg dry	0.119	0.237	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 08:04	08/25/2021 09:43	KH

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

<u>York Project (SDG) No.</u> 21H0946	<u>Client Project ID</u> 170362002	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 18, 2021 2:30 pm	<u>Date Received</u> 08/18/2021
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Semi-Volatiles, 8270 - Comprehensive

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
367-12-4	Surrogate: SURRE: 2-Fluorophenol	59.3 %			20-108						
4165-62-2	Surrogate: SURRE: Phenol-d5	56.7 %			23-114						
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	60.4 %			22-108						
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	67.8 %			21-113						
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	89.7 %			19-110						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	77.3 %			24-116						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 PPCB

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	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/23/2021 13:40	08/24/2021 17:59	BJ	
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/23/2021 13:40	08/24/2021 17:59	BJ	
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/23/2021 13:40	08/24/2021 17:59	BJ	
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/23/2021 13:40	08/24/2021 17:59	BJ	
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/23/2021 13:40	08/24/2021 17:59	BJ	
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/23/2021 13:40	08/24/2021 17:59	BJ	
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/23/2021 13:40	08/24/2021 17:59	BJ	
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	08/23/2021 13:40	08/24/2021 17:59	BJ	
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	72.5 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	44.0 %	30-140								

Metals, Target Analyte

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
7429-90-5	Aluminum	1480		mg/kg dry	5.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-36-0	Antimony	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-38-2	Arsenic	7.41		mg/kg dry	1.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM



Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Soil

August 18, 2021 2:30 pm

08/18/2021

Metals, Target Analyte

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
7440-39-3	Barium	189		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-43-9	Cadmium	ND		mg/kg dry	0.346	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-70-2	Calcium	1030	B	mg/kg dry	5.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-47-3	Chromium	9.05		mg/kg dry	0.576	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-48-4	Cobalt	3.63		mg/kg dry	0.461	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-50-8	Copper	253		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7439-89-6	Iron	43700		mg/kg dry	28.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7439-92-1	Lead	400		mg/kg dry	0.576	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7439-95-4	Magnesium	203		mg/kg dry	5.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7439-96-5	Manganese	64.3		mg/kg dry	0.576	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-02-0	Nickel	11.8		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-09-7	Potassium	1240		mg/kg dry	5.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7782-49-2	Selenium	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-22-4	Silver	ND		mg/kg dry	0.576	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-23-5	Sodium	762		mg/kg dry	57.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-28-0	Thallium	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-62-2	Vanadium	21.2		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM
7440-66-6	Zinc	36.8		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 10:37	08/26/2021 12:34	EM

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
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



Sample Information

Client Sample ID: SB24_1-2

York Sample ID: 21H0946-05

York Project (SDG) No.
21H0946

Client Project ID
170362002

Matrix
Soil

Collection Date/Time
August 18, 2021 2:30 pm

Date Received
08/18/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7439-97-6	Mercury	0.654		mg/kg dry	0.0346	1	EPA 7473	08/25/2021 08:22	08/25/2021 14:51	MAO	
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	86.8		%	0.100	1	SM 2540G	08/24/2021 18:38	08/25/2021 13:37	VR	
							Certifications:	CTDOH			



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21H0946-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Water

August 18, 2021 3:00 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21H0946-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0946

170362002

Water

August 18, 2021 3:00 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows list various chemical compounds like 2-Hexanone, 4-Methyl-2-pentanone, Acetone, etc., with their respective results and analysis details.



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21H0946-06

<u>York Project (SDG) No.</u> 21H0946	<u>Client Project ID</u> 170362002	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 18, 2021 3:00 pm	<u>Date Received</u> 08/18/2021
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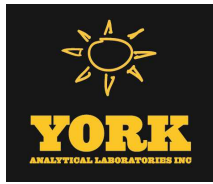
Volatile Organics, 8260 - Comprehensive

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
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 14:35	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21H0946-06

York Project (SDG) No.
21H0946

Client Project ID
170362002

Matrix
Water

Collection Date/Time
August 18, 2021 3:00 pm

Date Received
08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 14:35	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 14:35	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	99.6 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %			79-122						



Analytical Batch Summary

Batch ID: BH11165 **Preparation Method:** EPA 5035A **Prepared By:** TL

YORK Sample ID	Client Sample ID	Preparation Date
21H0946-01	SB20_1-2	08/20/21
21H0946-02	SB21_6-7	08/20/21
21H0946-03	SB22_9-10	08/20/21
21H0946-04	SB23_10-11	08/20/21
21H0946-05	SB24_1-2	08/20/21
BH11165-BLK1	Blank	08/20/21
BH11165-BLK3	Blank	08/20/21
BH11165-BS1	LCS	08/20/21
BH11165-BSD1	LCS Dup	08/20/21

Batch ID: BH11232 **Preparation Method:** EPA 3546 PPCB **Prepared By:** EMS

YORK Sample ID	Client Sample ID	Preparation Date
21H0946-05	SB24_1-2	08/23/21
BH11232-BLK1	Blank	08/23/21
BH11232-BS1	LCS	08/23/21
BH11232-MS1	Matrix Spike	08/23/21
BH11232-MSD1	Matrix Spike Dup	08/23/21

Batch ID: BH11297 **Preparation Method:** EPA 3546 SVOA **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21H0946-01	SB20_1-2	08/24/21
21H0946-02	SB21_6-7	08/24/21
21H0946-03	SB22_9-10	08/24/21
21H0946-04	SB23_10-11	08/24/21
21H0946-05	SB24_1-2	08/24/21
21H0946-05RE1	SB24_1-2	08/24/21
BH11297-BLK1	Blank	08/24/21
BH11297-BS1	LCS	08/24/21
BH11297-MS1	Matrix Spike	08/24/21
BH11297-MSD1	Matrix Spike Dup	08/24/21

Batch ID: BH11316 **Preparation Method:** EPA 3050B **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21H0946-01	SB20_1-2	08/24/21
21H0946-02	SB21_6-7	08/24/21
21H0946-03	SB22_9-10	08/24/21
21H0946-04	SB23_10-11	08/24/21
21H0946-05	SB24_1-2	08/24/21
BH11316-BLK1	Blank	08/24/21
BH11316-DUP1	Duplicate	08/24/21
BH11316-MS1	Matrix Spike	08/24/21



BH11316-PS1 Post Spike 08/24/21
BH11316-SRM1 Reference 08/24/21

Batch ID: BH11359 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21H0946-01	SB20_1-2	08/24/21
21H0946-02	SB21_6-7	08/24/21
21H0946-03	SB22_9-10	08/24/21
21H0946-04	SB23_10-11	08/24/21
21H0946-05	SB24_1-2	08/24/21
BH11359-DUP1	Duplicate	08/24/21

Batch ID: BH11374 **Preparation Method:** EPA 3550C **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21H0946-01	SB20_1-2	08/25/21
21H0946-02	SB21_6-7	08/25/21
21H0946-03	SB22_9-10	08/25/21
21H0946-04	SB23_10-11	08/25/21
BH11374-BLK2	Blank	08/25/21
BH11374-BS2	LCS	08/25/21
BH11374-MS2	Matrix Spike	08/25/21
BH11374-MSD2	Matrix Spike Dup	08/25/21

Batch ID: BH11382 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21H0946-01	SB20_1-2	08/25/21
21H0946-02	SB21_6-7	08/25/21
21H0946-03	SB22_9-10	08/25/21
21H0946-04	SB23_10-11	08/25/21
21H0946-05	SB24_1-2	08/25/21
BH11382-BLK1	Blank	08/25/21
BH11382-DUP1	Duplicate	08/25/21
BH11382-MS1	Matrix Spike	08/25/21
BH11382-SRM1	Reference	08/25/21

Batch ID: BH11442 **Preparation Method:** EPA 5030B **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
21H0946-06	Trip Blank	08/19/21
BH11442-BLK1	Blank	08/19/21
BH11442-BS1	LCS	08/19/21
BH11442-BSD1	LCS Dup	08/19/21



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
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Batch BH11165 - EPA 5035A

Blank (BH11165-BLK1)	Blank										
											Prepared & Analyzed: 08/20/2021
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								



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
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Batch BH11165 - EPA 5035A

Blank (BH11165-BLK1)	Blank	Prepared & Analyzed: 08/20/2021									
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
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Surrogate: SURRE: 1,2-Dichloroethane-d4	53.0		ug/L	50.0		106	77-125				
Surrogate: SURRE: Toluene-d8	51.1		"	50.0		102	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	51.1		"	50.0		102	76-130				

Blank (BH11165-BLK3)	Blank	Prepared & Analyzed: 08/20/2021									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								



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
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Batch BH11165 - EPA 5035A

Blank (BH11165-BLK3) Holding Blank - 21H0946

Prepared & Analyzed: 08/20/2021

Bromodichloromethane	ND	0.0050	mg/kg wet								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	53.7		ug/L	50.0		107	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	50.2		"	50.0		100	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	49.4		"	50.0		98.8	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result					RPD		
Batch BH11165 - EPA 5035A												
LCS (BH11165-BS1)	LCS	Prepared & Analyzed: 08/20/2021										
1,1,1,2-Tetrachloroethane	54		ug/L	50.0		109		75-129				
1,1,1-Trichloroethane	55		"	50.0		111		71-137				
1,1,2,2-Tetrachloroethane	49		"	50.0		98.8		79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	58		"	50.0		116		58-146				
1,1,2-Trichloroethane	48		"	50.0		96.3		83-123				
1,1-Dichloroethane	48		"	50.0		95.7		75-130				
1,1-Dichloroethylene	60		"	50.0		119		64-137				
1,2,3-Trichlorobenzene	49		"	50.0		98.4		81-140				
1,2,3-Trichloropropane	52		"	50.0		104		81-126				
1,2,4-Trichlorobenzene	51		"	50.0		103		80-141				
1,2,4-Trimethylbenzene	50		"	50.0		99.1		84-125				
1,2-Dibromo-3-chloropropane	56		"	50.0		111		74-142				
1,2-Dibromoethane	50		"	50.0		100		86-123				
1,2-Dichlorobenzene	49		"	50.0		97.7		85-122				
1,2-Dichloroethane	52		"	50.0		103		71-133				
1,2-Dichloropropane	47		"	50.0		93.6		81-122				
1,3,5-Trimethylbenzene	51		"	50.0		103		82-126				
1,3-Dichlorobenzene	48		"	50.0		96.2		84-124				
1,4-Dichlorobenzene	48		"	50.0		96.9		84-124				
1,4-Dioxane	930		"	1050		88.9		10-228				
2-Butanone	49		"	50.0		97.5		58-147				
2-Hexanone	47		"	50.0		93.2		70-139				
4-Methyl-2-pentanone	46		"	50.0		92.9		72-132				
Acetone	47		"	50.0		94.2		36-155				
Acrolein	78		"	50.0		157		10-238				
Acrylonitrile	48		"	50.0		96.4		66-141				
Benzene	49		"	50.0		97.4		77-127				
Bromochloromethane	47		"	50.0		93.1		74-129				
Bromodichloromethane	55		"	50.0		109		81-124				
Bromoform	51		"	50.0		102		80-136				
Bromomethane	94		"	50.0		189		32-177	High Bias			
Carbon disulfide	64		"	50.0		128		10-136				
Carbon tetrachloride	55		"	50.0		110		66-143				
Chlorobenzene	49		"	50.0		98.1		86-120				
Chloroethane	78		"	50.0		156		51-142	High Bias			
Chloroform	52		"	50.0		104		76-131				
Chloromethane	54		"	50.0		108		49-132				
cis-1,2-Dichloroethylene	51		"	50.0		102		74-132				
cis-1,3-Dichloropropylene	52		"	50.0		104		81-129				
Cyclohexane	45		"	50.0		89.3		70-130				
Dibromochloromethane	50		"	50.0		100		10-200				
Dibromomethane	49		"	50.0		98.0		83-124				
Dichlorodifluoromethane	65		"	50.0		131		28-158				
Ethyl Benzene	48		"	50.0		97.0		84-125				
Hexachlorobutadiene	51		"	50.0		103		83-133				
Isopropylbenzene	50		"	50.0		99.2		81-127				
Methyl acetate	40		"	50.0		80.6		41-143				
Methyl tert-butyl ether (MTBE)	51		"	50.0		102		74-131				
Methylcyclohexane	47		"	50.0		94.0		70-130				
Methylene chloride	48		"	50.0		96.8		57-141				
n-Butylbenzene	50		"	50.0		100		80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	
Batch BH11165 - EPA 5035A											
LCS (BH11165-BS1)	LCS	Prepared & Analyzed: 08/20/2021									
n-Propylbenzene	49		ug/L	50.0		97.7		74-136			
o-Xylene	48		"	50.0		95.1		83-123			
p- & m- Xylenes	97		"	100		97.5		82-128			
p-Isopropyltoluene	51		"	50.0		103		85-125			
sec-Butylbenzene	53		"	50.0		105		83-125			
Styrene	49		"	50.0		97.3		86-126			
tert-Butyl alcohol (TBA)	300		"	250		120		70-130			
tert-Butylbenzene	50		"	50.0		99.6		80-127			
Tetrachloroethylene	46		"	50.0		92.2		80-129			
Toluene	48		"	50.0		95.8		85-121			
trans-1,2-Dichloroethylene	54		"	50.0		107		72-132			
trans-1,3-Dichloropropylene	48		"	50.0		95.1		78-132			
trans-1,4-dichloro-2-butene	54		"	50.0		108		75-135			
Trichloroethylene	51		"	50.0		102		84-123			
Trichlorofluoromethane	64		"	50.0		127		62-140			
Vinyl Chloride	57		"	50.0		114		52-130			
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	53.3		"	50.0		107		77-125			
<i>Surrogate: SURR: Toluene-d8</i>	51.6		"	50.0		103		85-120			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	50.0		"	50.0		100		76-130			
LCS Dup (BH11165-BS1)	LCS Dup	Prepared & Analyzed: 08/20/2021									
1,1,1,2-Tetrachloroethane	58		ug/L	50.0		115		75-129	6.18	30	
1,1,1-Trichloroethane	58		"	50.0		115		71-137	4.30	30	
1,1,2,2-Tetrachloroethane	51		"	50.0		103		79-129	4.03	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	58		"	50.0		117		58-146	0.670	30	
1,1,2-Trichloroethane	51		"	50.0		103		83-123	6.43	30	
1,1-Dichloroethane	51		"	50.0		101		75-130	5.59	30	
1,1-Dichloroethylene	62		"	50.0		123		64-137	3.40	30	
1,2,3-Trichlorobenzene	51		"	50.0		102		81-140	4.04	30	
1,2,3-Trichloropropane	54		"	50.0		107		81-126	3.58	30	
1,2,4-Trichlorobenzene	53		"	50.0		106		80-141	3.21	30	
1,2,4-Trimethylbenzene	51		"	50.0		102		84-125	2.83	30	
1,2-Dibromo-3-chloropropane	60		"	50.0		119		74-142	6.95	30	
1,2-Dibromoethane	53		"	50.0		106		86-123	5.95	30	
1,2-Dichlorobenzene	50		"	50.0		101		85-122	3.12	30	
1,2-Dichloroethane	54		"	50.0		109		71-133	5.51	30	
1,2-Dichloropropane	49		"	50.0		98.2		81-122	4.86	30	
1,3,5-Trimethylbenzene	52		"	50.0		103		82-126	0.408	30	
1,3-Dichlorobenzene	50		"	50.0		99.7		84-124	3.55	30	
1,4-Dichlorobenzene	50		"	50.0		99.8		84-124	2.95	30	
1,4-Dioxane	1100		"	1050		101		10-228	12.4	30	
2-Butanone	53		"	50.0		105		58-147	7.71	30	
2-Hexanone	51		"	50.0		102		70-139	8.68	30	
4-Methyl-2-pentanone	51		"	50.0		102		72-132	9.24	30	
Acetone	52		"	50.0		104		36-155	10.1	30	
Acrolein	80		"	50.0		160		10-238	1.75	30	
Acrylonitrile	51		"	50.0		102		66-141	6.02	30	
Benzene	51		"	50.0		102		77-127	4.47	30	
Bromochloromethane	49		"	50.0		97.3		74-129	4.35	30	
Bromodichloromethane	57		"	50.0		115		81-124	5.12	30	
Bromoform	54		"	50.0		108		80-136	5.88	30	



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 BH11165 - EPA 5035A											
LCS Dup (BH11165-BSD1)	LCS Dup						Prepared & Analyzed: 08/20/2021				
Bromomethane	97		ug/L	50.0		193	32-177	High Bias	2.20	30	
Carbon disulfide	66		"	50.0		133	10-136		3.23	30	
Carbon tetrachloride	57		"	50.0		115	66-143		4.14	30	
Chlorobenzene	52		"	50.0		103	86-120		5.26	30	
Chloroethane	80		"	50.0		159	51-142	High Bias	2.16	30	
Chloroform	55		"	50.0		109	76-131		5.20	30	
Chloromethane	57		"	50.0		113	49-132		5.12	30	
cis-1,2-Dichloroethylene	53		"	50.0		107	74-132		4.09	30	
cis-1,3-Dichloropropylene	54		"	50.0		109	81-129		4.12	30	
Cyclohexane	46		"	50.0		91.9	70-130		2.82	30	
Dibromochloromethane	54		"	50.0		108	10-200		7.75	30	
Dibromomethane	51		"	50.0		102	83-124		4.10	30	
Dichlorodifluoromethane	67		"	50.0		135	28-158		3.01	30	
Ethyl Benzene	51		"	50.0		102	84-125		4.61	30	
Hexachlorobutadiene	53		"	50.0		106	83-133		2.63	30	
Isopropylbenzene	51		"	50.0		102	81-127		3.02	30	
Methyl acetate	44		"	50.0		87.3	41-143		8.08	30	
Methyl tert-butyl ether (MTBE)	54		"	50.0		108	74-131		5.11	30	
Methylcyclohexane	48		"	50.0		96.3	70-130		2.37	30	
Methylene chloride	50		"	50.0		101	57-141		3.91	30	
n-Butylbenzene	52		"	50.0		105	80-130		4.28	30	
n-Propylbenzene	50		"	50.0		99.2	74-136		1.46	30	
o-Xylene	50		"	50.0		100	83-123		5.22	30	
p- & m- Xylenes	100		"	100		103	82-128		5.79	30	
p-Isopropyltoluene	52		"	50.0		105	85-125		2.20	30	
sec-Butylbenzene	54		"	50.0		107	83-125		1.72	30	
Styrene	51		"	50.0		102	86-126		4.25	30	
tert-Butyl alcohol (TBA)	320		"	250		129	70-130		7.09	30	
tert-Butylbenzene	52		"	50.0		104	80-127		4.36	30	
Tetrachloroethylene	49		"	50.0		97.0	80-129		5.09	30	
Toluene	50		"	50.0		101	85-121		5.21	30	
trans-1,2-Dichloroethylene	55		"	50.0		109	72-132		1.83	30	
trans-1,3-Dichloropropylene	51		"	50.0		101	78-132		6.28	30	
trans-1,4-dichloro-2-butene	57		"	50.0		114	75-135		5.88	30	
Trichloroethylene	52		"	50.0		104	84-123		2.31	30	
Trichlorofluoromethane	65		"	50.0		130	62-140		2.04	30	
Vinyl Chloride	57		"	50.0		115	52-130		0.893	30	
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	<i>54.4</i>		<i>"</i>	<i>50.0</i>		<i>109</i>	<i>77-125</i>				
<i>Surrogate: SURRE: Toluene-d8</i>	<i>51.9</i>		<i>"</i>	<i>50.0</i>		<i>104</i>	<i>85-120</i>				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	<i>49.9</i>		<i>"</i>	<i>50.0</i>		<i>99.8</i>	<i>76-130</i>				



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
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Batch BH11442 - EPA 5030B

Blank (BH11442-BLK1) Blank

Prepared & Analyzed: 08/19/2021

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	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	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	0.40	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								



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
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Batch BH11442 - EPA 5030B

Blank (BH11442-BLK1)	Blank	Prepared & Analyzed: 08/19/2021									
n-Propylbenzene	ND	0.50	ug/L								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
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Surrogate: SURRE: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: SURRE: Toluene-d8	9.99		"	10.0		99.9	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				

LCS (BH11442-BS1)	LCS	Prepared & Analyzed: 08/19/2021									
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		105	82-126				
1,1,1-Trichloroethane	10		"	10.0		104	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		109	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		119	54-165				
1,1,2-Trichloroethane	10		"	10.0		100	82-123				
1,1-Dichloroethane	10		"	10.0		104	82-129				
1,1-Dichloroethylene	12		"	10.0		117	68-138				
1,2,3-Trichlorobenzene	8.4		"	10.0		84.5	40-130				
1,2,3-Trichloropropane	11		"	10.0		106	77-128				
1,2,4-Trichlorobenzene	9.0		"	10.0		90.0	65-137				
1,2,4-Trimethylbenzene	12		"	10.0		119	82-132				
1,2-Dibromo-3-chloropropane	8.2		"	10.0		81.8	45-147				
1,2-Dibromoethane	9.9		"	10.0		99.4	83-124				
1,2-Dichlorobenzene	11		"	10.0		106	79-123				
1,2-Dichloroethane	10		"	10.0		102	73-132				
1,2-Dichloropropane	11		"	10.0		110	78-126				
1,3,5-Trimethylbenzene	12		"	10.0		121	80-131				
1,3-Dichlorobenzene	11		"	10.0		109	86-130				
1,4-Dichlorobenzene	11		"	10.0		108	85-130				
1,4-Dioxane	200		"	210		92.9	10-349				
2-Butanone	9.7		"	10.0		97.3	49-152				
2-Hexanone	11		"	10.0		114	51-146				
4-Methyl-2-pentanone	11		"	10.0		108	57-145				
Acetone	8.1		"	10.0		81.3	14-150				
Acrolein	9.3		"	10.0		93.3	10-153				
Acrylonitrile	11		"	10.0		108	51-150				
Benzene	11		"	10.0		107	85-126				
Bromochloromethane	11		"	10.0		113	77-128				
Bromodichloromethane	10		"	10.0		103	79-128				



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
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Batch BH11442 - EPA 5030B

LCS (BH11442-BS1)	LCS										
											Prepared & Analyzed: 08/19/2021
Bromoform	9.8		ug/L	10.0		98.1	78-133				
Bromomethane	4.3		"	10.0		43.0	43-168				
Carbon disulfide	12		"	10.0		120	68-146				
Carbon tetrachloride	11		"	10.0		106	77-141				
Chlorobenzene	11		"	10.0		107	88-120				
Chloroethane	12		"	10.0		115	65-136				
Chloroform	10		"	10.0		102	82-128				
Chloromethane	10		"	10.0		99.6	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		108	83-129				
cis-1,3-Dichloropropylene	11		"	10.0		106	80-131				
Cyclohexane	8.6		"	10.0		86.4	63-149				
Dibromochloromethane	10		"	10.0		102	80-130				
Dibromomethane	10		"	10.0		100	72-134				
Dichlorodifluoromethane	15		"	10.0		145	44-144	High Bias			
Ethyl Benzene	12		"	10.0		115	80-131				
Hexachlorobutadiene	13		"	10.0		128	67-146				
Isopropylbenzene	12		"	10.0		120	76-140				
Methyl acetate	9.6		"	10.0		95.7	51-139				
Methyl tert-butyl ether (MTBE)	10		"	10.0		102	76-135				
Methylcyclohexane	11		"	10.0		111	72-143				
Methylene chloride	12		"	10.0		116	55-137				
n-Butylbenzene	11		"	10.0		115	79-132				
n-Propylbenzene	12		"	10.0		121	78-133				
o-Xylene	11		"	10.0		113	78-130				
p- & m- Xylenes	24		"	20.0		119	77-133				
p-Isopropyltoluene	12		"	10.0		116	81-136				
sec-Butylbenzene	12		"	10.0		121	79-137				
Styrene	11		"	10.0		112	67-132				
tert-Butyl alcohol (TBA)	46		"	50.0		91.6	25-162				
tert-Butylbenzene	9.7		"	10.0		97.3	77-138				
Tetrachloroethylene	9.6		"	10.0		96.1	82-131				
Toluene	11		"	10.0		112	80-127				
trans-1,2-Dichloroethylene	12		"	10.0		116	80-132				
trans-1,3-Dichloropropylene	11		"	10.0		105	78-131				
trans-1,4-dichloro-2-butene	11		"	10.0		111	63-141				
Trichloroethylene	11		"	10.0		106	82-128				
Trichlorofluoromethane	12		"	10.0		116	67-139				
Vinyl Chloride	11		"	10.0		112	58-145				
Surrogate: SURRE: 1,2-Dichloroethane-d4	9.90		"	10.0		99.0	69-130				
Surrogate: SURRE: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	11.0		"	10.0		110	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 BH11442 - EPA 5030B											
LCS Dup (BH11442-BSD1)	LCS Dup								Prepared & Analyzed: 08/19/2021		
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		103	82-126		1.64	30	
1,1,1-Trichloroethane	9.8		"	10.0		98.3	78-136		5.15	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		109	76-129		0.0914	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		114	54-165		4.29	30	
1,1,2-Trichloroethane	10		"	10.0		103	82-123		2.57	30	
1,1-Dichloroethane	10		"	10.0		101	82-129		2.63	30	
1,1-Dichloroethylene	11		"	10.0		110	68-138		6.00	30	
1,2,3-Trichlorobenzene	8.6		"	10.0		86.1	40-130		1.88	30	
1,2,3-Trichloropropane	11		"	10.0		106	77-128		0.188	30	
1,2,4-Trichlorobenzene	9.0		"	10.0		90.4	65-137		0.443	30	
1,2,4-Trimethylbenzene	11		"	10.0		112	82-132		6.58	30	
1,2-Dibromo-3-chloropropane	8.5		"	10.0		85.1	45-147		3.95	30	
1,2-Dibromoethane	10		"	10.0		103	83-124		3.94	30	
1,2-Dichlorobenzene	10		"	10.0		103	79-123		3.25	30	
1,2-Dichloroethane	10		"	10.0		101	73-132		0.395	30	
1,2-Dichloropropane	11		"	10.0		109	78-126		1.46	30	
1,3,5-Trimethylbenzene	11		"	10.0		113	80-131		7.27	30	
1,3-Dichlorobenzene	10		"	10.0		103	86-130		5.10	30	
1,4-Dichlorobenzene	10		"	10.0		103	85-130		4.84	30	
1,4-Dioxane	220		"	210		107	10-349		14.2	30	
2-Butanone	10		"	10.0		101	49-152		3.53	30	
2-Hexanone	12		"	10.0		119	51-146		4.22	30	
4-Methyl-2-pentanone	12		"	10.0		116	57-145		6.34	30	
Acetone	8.1		"	10.0		80.9	14-150		0.493	30	
Acrolein	10		"	10.0		101	10-153		8.02	30	
Acrylonitrile	11		"	10.0		112	51-150		3.47	30	
Benzene	10		"	10.0		102	85-126		4.58	30	
Bromochloromethane	11		"	10.0		112	77-128		1.34	30	
Bromodichloromethane	10		"	10.0		102	79-128		1.66	30	
Bromoform	10		"	10.0		102	78-133		4.09	30	
Bromomethane	4.5		"	10.0		45.0	43-168		4.55	30	
Carbon disulfide	11		"	10.0		112	68-146		6.39	30	
Carbon tetrachloride	10		"	10.0		100	77-141		5.25	30	
Chlorobenzene	10		"	10.0		104	88-120		2.75	30	
Chloroethane	11		"	10.0		109	65-136		5.80	30	
Chloroform	9.9		"	10.0		98.9	82-128		2.69	30	
Chloromethane	9.0		"	10.0		90.2	43-155		9.91	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		3.39	30	
cis-1,3-Dichloropropylene	10		"	10.0		104	80-131		2.00	30	
Cyclohexane	8.4		"	10.0		84.0	63-149		2.82	30	
Dibromochloromethane	10		"	10.0		103	80-130		1.27	30	
Dibromomethane	10		"	10.0		103	72-134		2.85	30	
Dichlorodifluoromethane	14		"	10.0		137	44-144		6.03	30	
Ethyl Benzene	11		"	10.0		111	80-131		3.63	30	
Hexachlorobutadiene	13		"	10.0		130	67-146		1.71	30	
Isopropylbenzene	11		"	10.0		110	76-140		8.73	30	
Methyl acetate	10		"	10.0		103	51-139		7.06	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		105	76-135		2.70	30	
Methylcyclohexane	11		"	10.0		107	72-143		4.04	30	
Methylene chloride	11		"	10.0		113	55-137		2.70	30	
n-Butylbenzene	11		"	10.0		114	79-132		0.876	30	



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit								RPD	Limit
Batch BH11442 - EPA 5030B											
LCS Dup (BH11442-BSD1)	LCS Dup									Prepared & Analyzed: 08/19/2021	
n-Propylbenzene	11		ug/L	10.0		112	78-133			8.24	30
o-Xylene	11		"	10.0		110	78-130			2.60	30
p- & m- Xylenes	23		"	20.0		115	77-133			3.68	30
p-Isopropyltoluene	11		"	10.0		108	81-136			6.95	30
sec-Butylbenzene	11		"	10.0		113	79-137			6.50	30
Styrene	11		"	10.0		109	67-132			2.80	30
tert-Butyl alcohol (TBA)	50		"	50.0		101	25-162			9.78	30
tert-Butylbenzene	9.0		"	10.0		90.4	77-138			7.35	30
Tetrachloroethylene	9.2		"	10.0		91.7	82-131			4.69	30
Toluene	11		"	10.0		108	80-127			3.55	30
trans-1,2-Dichloroethylene	11		"	10.0		110	80-132			5.84	30
trans-1,3-Dichloropropylene	11		"	10.0		105	78-131			0.0951	30
trans-1,4-dichloro-2-butene	11		"	10.0		110	63-141			0.996	30
Trichloroethylene	10		"	10.0		102	82-128			3.94	30
Trichlorofluoromethane	11		"	10.0		110	67-139			5.50	30
Vinyl Chloride	10		"	10.0		104	58-145			7.11	30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</i>	<i>79-122</i>				



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
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Batch BH11297 - EPA 3546 SVOA

Blank (BH11297-BLK1)	Blank										
											Prepared & Analyzed: 08/24/2021
1,1-Biphenyl	ND	0.0412	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0822	"								
1,2,4-Trichlorobenzene	ND	0.0412	"								
1,2-Dichlorobenzene	ND	0.0412	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0412	"								
1,3-Dichlorobenzene	ND	0.0412	"								
1,4-Dichlorobenzene	ND	0.0412	"								
2,3,4,6-Tetrachlorophenol	ND	0.0822	"								
2,4,5-Trichlorophenol	ND	0.0412	"								
2,4,6-Trichlorophenol	ND	0.0412	"								
2,4-Dichlorophenol	ND	0.0412	"								
2,4-Dimethylphenol	ND	0.0412	"								
2,4-Dinitrophenol	ND	0.0822	"								
2,4-Dinitrotoluene	ND	0.0412	"								
2,6-Dinitrotoluene	ND	0.0412	"								
2-Chloronaphthalene	ND	0.0412	"								
2-Chlorophenol	ND	0.0412	"								
2-Methylnaphthalene	ND	0.0412	"								
2-Methylphenol	ND	0.0412	"								
2-Nitroaniline	ND	0.0822	"								
2-Nitrophenol	ND	0.0412	"								
3- & 4-Methylphenols	ND	0.0412	"								
3,3-Dichlorobenzidine	ND	0.0412	"								
3-Nitroaniline	ND	0.0822	"								
4,6-Dinitro-2-methylphenol	ND	0.0822	"								
4-Bromophenyl phenyl ether	ND	0.0412	"								
4-Chloro-3-methylphenol	ND	0.0412	"								
4-Chloroaniline	ND	0.0412	"								
4-Chlorophenyl phenyl ether	ND	0.0412	"								
4-Nitroaniline	ND	0.0822	"								
4-Nitrophenol	ND	0.0822	"								
Acenaphthene	ND	0.0412	"								
Acenaphthylene	ND	0.0412	"								
Acetophenone	ND	0.0412	"								
Aniline	ND	0.165	"								
Anthracene	ND	0.0412	"								
Atrazine	ND	0.0412	"								
Benzaldehyde	ND	0.0412	"								
Benzidine	ND	0.165	"								
Benzo(a)anthracene	ND	0.0412	"								
Benzo(a)pyrene	ND	0.0412	"								
Benzo(b)fluoranthene	ND	0.0412	"								
Benzo(g,h,i)perylene	ND	0.0412	"								
Benzo(k)fluoranthene	ND	0.0412	"								
Benzoic acid	ND	0.0412	"								
Benzyl alcohol	ND	0.0412	"								
Benzyl butyl phthalate	ND	0.0412	"								
Bis(2-chloroethoxy)methane	ND	0.0412	"								
Bis(2-chloroethyl)ether	ND	0.0412	"								
Bis(2-chloroisopropyl)ether	ND	0.0412	"								
Bis(2-ethylhexyl)phthalate	ND	0.0412	"								



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
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Batch BH11297 - EPA 3546 SVOA

Blank (BH11297-BLK1)	Blank	Prepared & Analyzed: 08/24/2021									
Caprolactam	ND	0.0822	mg/kg wet								
Carbazole	ND	0.0412	"								
Chrysene	ND	0.0412	"								
Dibenzo(a,h)anthracene	ND	0.0412	"								
Dibenzofuran	ND	0.0412	"								
Diethyl phthalate	ND	0.0412	"								
Dimethyl phthalate	ND	0.0412	"								
Di-n-butyl phthalate	ND	0.0412	"								
Di-n-octyl phthalate	ND	0.0412	"								
Diphenylamine	ND	0.0822	"								
Fluoranthene	ND	0.0412	"								
Fluorene	ND	0.0412	"								
Hexachlorobenzene	ND	0.0412	"								
Hexachlorobutadiene	ND	0.0412	"								
Hexachlorocyclopentadiene	ND	0.0412	"								
Hexachloroethane	ND	0.0412	"								
Indeno(1,2,3-cd)pyrene	ND	0.0412	"								
Isophorone	ND	0.0412	"								
Naphthalene	ND	0.0412	"								
Nitrobenzene	ND	0.0412	"								
N-Nitrosodimethylamine	ND	0.0412	"								
N-nitroso-di-n-propylamine	ND	0.0412	"								
N-Nitrosodiphenylamine	ND	0.0412	"								
Pentachlorophenol	ND	0.0412	"								
Phenanthrene	ND	0.0412	"								
Phenol	ND	0.0412	"								
Pyrene	ND	0.0412	"								
Surrogate: SURR: 2-Fluorophenol	1.32		"	1.64		80.5	20-108				
Surrogate: SURR: Phenol-d5	1.22		"	1.64		74.1	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.697		"	0.822		84.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.680		"	0.822		82.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.87		"	1.64		114	19-110				
Surrogate: SURR: Terphenyl-d14	0.748		"	0.822		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 BH11297 - EPA 3546 SVOA											
LCS (BH11297-BS1)	LCS	Prepared & Analyzed: 08/24/2021									
1,1-Biphenyl	0.637	0.0410	mg/kg wet	0.0820		778	18-111	High Bias			
1,2,4,5-Tetrachlorobenzene	0.811	0.0819	"	0.820		99.0	21-131				
1,2,4-Trichlorobenzene	0.699	0.0410	"	0.820		85.3	10-140				
1,2-Dichlorobenzene	0.611	0.0410	"	0.820		74.5	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.516	0.0410	"	0.820		63.0	17-137				
1,3-Dichlorobenzene	0.609	0.0410	"	0.820		74.3	33-110				
1,4-Dichlorobenzene	0.628	0.0410	"	0.820		76.6	32-104				
2,3,4,6-Tetrachlorophenol	0.744	0.0819	"	0.820		90.8	30-130				
2,4,5-Trichlorophenol	0.736	0.0410	"	0.820		89.8	27-118				
2,4,6-Trichlorophenol	0.705	0.0410	"	0.820		86.0	31-120				
2,4-Dichlorophenol	0.682	0.0410	"	0.820		83.2	20-127				
2,4-Dimethylphenol	0.659	0.0410	"	0.820		80.4	14-132				
2,4-Dinitrophenol	0.830	0.0819	"	0.820		101	10-171				
2,4-Dinitrotoluene	0.711	0.0410	"	0.820		86.8	34-131				
2,6-Dinitrotoluene	0.737	0.0410	"	0.820		89.9	31-128				
2-Chloronaphthalene	0.612	0.0410	"	0.820		74.7	31-117				
2-Chlorophenol	0.624	0.0410	"	0.820		76.2	33-113				
2-Methylnaphthalene	0.705	0.0410	"	0.820		86.0	12-138				
2-Methylphenol	0.634	0.0410	"	0.820		77.4	10-136				
2-Nitroaniline	0.653	0.0819	"	0.820		79.7	27-132				
2-Nitrophenol	0.771	0.0410	"	0.820		94.0	17-129				
3- & 4-Methylphenols	0.551	0.0410	"	0.820		67.2	29-103				
3,3-Dichlorobenzidine	1.38	0.0410	"	0.820		169	22-149	High Bias			
3-Nitroaniline	0.611	0.0819	"	0.820		74.6	20-133				
4,6-Dinitro-2-methylphenol	0.934	0.0819	"	0.820		114	10-143				
4-Bromophenyl phenyl ether	0.711	0.0410	"	0.820		86.8	29-120				
4-Chloro-3-methylphenol	0.683	0.0410	"	0.820		83.3	24-129				
4-Chloroaniline	0.503	0.0410	"	0.820		61.4	10-132				
4-Chlorophenyl phenyl ether	0.663	0.0410	"	0.820		80.8	27-124				
4-Nitroaniline	0.607	0.0819	"	0.820		74.1	16-128				
4-Nitrophenol	0.651	0.0819	"	0.820		79.5	10-141				
Acenaphthene	0.612	0.0410	"	0.820		74.6	30-121				
Acenaphthylene	0.638	0.0410	"	0.820		77.8	30-115				
Acetophenone	0.669	0.0410	"	0.0820		816	20-112	High Bias			
Aniline	0.539	0.164	"	0.820		65.8	10-119				
Anthracene	0.690	0.0410	"	0.820		84.2	34-118				
Atrazine	0.795	0.0410	"	0.0820		970	26-112	High Bias			
Benzaldehyde	0.636	0.0410	"	0.0820		776	21-100	High Bias			
Benzo(a)anthracene	0.726	0.0410	"	0.820		88.5	32-122				
Benzo(a)pyrene	0.787	0.0410	"	0.820		96.0	29-133				
Benzo(b)fluoranthene	0.726	0.0410	"	0.820		88.6	25-133				
Benzo(g,h,i)perylene	0.691	0.0410	"	0.820		84.3	10-143				
Benzo(k)fluoranthene	0.690	0.0410	"	0.820		84.2	25-128				
Benzoic acid	0.451	0.0410	"	0.0820		550	10-140	High Bias			
Benzyl alcohol	0.616	0.0410	"	0.820		75.2	30-115				
Benzyl butyl phthalate	0.726	0.0410	"	0.820		88.6	26-126				
Bis(2-chloroethoxy)methane	0.595	0.0410	"	0.820		72.6	19-132				
Bis(2-chloroethyl)ether	0.566	0.0410	"	0.820		69.0	19-125				
Bis(2-chloroisopropyl)ether	0.506	0.0410	"	0.820		61.7	20-135				
Bis(2-ethylhexyl)phthalate	0.755	0.0410	"	0.820		92.2	10-155				
Caprolactam	0.762	0.0819	"	0.0820		930	10-127	High Bias			



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
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Batch BH11297 - EPA 3546 SVOA

LCS (BH11297-BS1)	LCS	Prepared & Analyzed: 08/24/2021									
Carbazole	0.646	0.0410	mg/kg wet	0.820		78.8	35-123				
Chrysene	0.690	0.0410	"	0.820		84.1	32-123				
Dibenzo(a,h)anthracene	0.800	0.0410	"	0.820		97.6	10-136				
Dibenzofuran	0.627	0.0410	"	0.820		76.4	29-121				
Diethyl phthalate	0.650	0.0410	"	0.820		79.2	34-116				
Dimethyl phthalate	0.633	0.0410	"	0.820		77.3	35-124				
Di-n-butyl phthalate	0.702	0.0410	"	0.820		85.6	31-116				
Di-n-octyl phthalate	0.918	0.0410	"	0.820		112	26-136				
Diphenylamine	0.758	0.0819	"	0.820		92.4	40-140				
Fluoranthene	0.708	0.0410	"	0.820		86.4	33-122				
Fluorene	0.637	0.0410	"	0.820		77.7	29-123				
Hexachlorobenzene	0.650	0.0410	"	0.820		79.3	21-124				
Hexachlorobutadiene	0.731	0.0410	"	0.820		89.2	10-149				
Hexachlorocyclopentadiene	0.560	0.0410	"	0.820		68.4	10-129				
Hexachloroethane	0.622	0.0410	"	0.820		75.8	28-108				
Indeno(1,2,3-cd)pyrene	0.852	0.0410	"	0.820		104	10-135				
Isophorone	0.602	0.0410	"	0.820		73.4	20-132				
Naphthalene	0.634	0.0410	"	0.820		77.4	23-124				
Nitrobenzene	0.568	0.0410	"	0.820		69.3	13-132				
N-Nitrosodimethylamine	1.17	0.0410	"	0.820		143	11-129	High Bias			
N-nitroso-di-n-propylamine	0.569	0.0410	"	0.820		69.4	24-119				
N-Nitrosodiphenylamine	0.749	0.0410	"	0.820		91.3	22-152				
Pentachlorophenol	0.712	0.0410	"	0.820		86.9	10-139				
Phenanthrene	0.641	0.0410	"	0.820		78.2	33-123				
Phenol	0.622	0.0410	"	0.820		75.9	23-115				
Pyrene	0.654	0.0410	"	0.820		79.8	32-130				
Surrogate: SURR: 2-Fluorophenol	1.16		"	1.64		70.5	20-108				
Surrogate: SURR: Phenol-d5	1.16		"	1.64		70.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.574		"	0.820		70.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.625		"	0.820		76.3	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.70		"	1.64		104	19-110				
Surrogate: SURR: Terphenyl-d14	0.691		"	0.820		84.3	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 BH11297 - EPA 3546 SVOA												
Matrix Spike (BH11297-MS1)	Matrix Spike	*Source sample: 21H0948-17 (Matrix Spike)						Prepared: 08/24/2021 Analyzed: 08/25/2021				
1,1-Biphenyl	0.614	0.0891	mg/kg dry	0.0891	ND	689	10-130	High Bias				
1,2,4,5-Tetrachlorobenzene	0.834	0.178	"	0.891	ND	93.7	10-133					
1,2,4-Trichlorobenzene	0.715	0.0891	"	0.891	ND	80.3	10-127					
1,2-Dichlorobenzene	0.609	0.0891	"	0.891	ND	68.4	14-111					
1,2-Diphenylhydrazine (as Azobenzene)	0.571	0.0891	"	0.891	ND	64.2	10-144					
1,3-Dichlorobenzene	0.623	0.0891	"	0.891	ND	69.9	11-111					
1,4-Dichlorobenzene	0.628	0.0891	"	0.891	ND	70.6	10-106					
2,3,4,6-Tetrachlorophenol	0.678	0.178	"	0.891	ND	76.2	30-130					
2,4,5-Trichlorophenol	0.690	0.0891	"	0.891	ND	77.5	10-127					
2,4,6-Trichlorophenol	0.662	0.0891	"	0.891	ND	74.3	10-132					
2,4-Dichlorophenol	0.661	0.0891	"	0.891	ND	74.2	10-128					
2,4-Dimethylphenol	0.707	0.0891	"	0.891	ND	79.4	10-137					
2,4-Dinitrophenol	ND	0.178	"	0.891	ND		10-171	Low Bias				
2,4-Dinitrotoluene	0.447	0.0891	"	0.891	ND	50.2	16-135					
2,6-Dinitrotoluene	0.512	0.0891	"	0.891	ND	57.5	18-131					
2-Chloronaphthalene	0.636	0.0891	"	0.891	ND	71.4	10-129					
2-Chlorophenol	0.618	0.0891	"	0.891	ND	69.4	15-116					
2-Methylnaphthalene	0.725	0.0891	"	0.891	ND	81.4	10-147					
2-Methylphenol	0.643	0.0891	"	0.891	ND	72.2	10-136					
2-Nitroaniline	0.485	0.178	"	0.891	ND	54.4	10-137					
2-Nitrophenol	0.482	0.0891	"	0.891	ND	54.1	10-129					
3- & 4-Methylphenols	0.511	0.0891	"	0.891	ND	57.4	10-123					
3,3-Dichlorobenzidine	1.61	0.0891	"	0.891	ND	181	10-155	High Bias				
3-Nitroaniline	0.583	0.178	"	0.891	ND	65.4	12-133					
4,6-Dinitro-2-methylphenol	0.106	0.178	"	0.891	ND	11.9	10-155					
4-Bromophenyl phenyl ether	0.757	0.0891	"	0.891	ND	85.0	14-128					
4-Chloro-3-methylphenol	0.720	0.0891	"	0.891	ND	80.8	10-134					
4-Chloroaniline	0.648	0.0891	"	0.891	ND	72.8	10-145					
4-Chlorophenyl phenyl ether	0.641	0.0891	"	0.891	ND	72.0	14-130					
4-Nitroaniline	0.519	0.178	"	0.891	ND	58.3	10-147					
4-Nitrophenol	0.369	0.178	"	0.891	ND	41.4	10-137					
Acenaphthene	0.638	0.0891	"	0.891	ND	71.6	10-146					
Acenaphthylene	0.587	0.0891	"	0.891	ND	65.9	10-134					
Acetophenone	0.692	0.0891	"	0.0891	ND	777	10-116	High Bias				
Aniline	0.599	0.357	"	0.891	ND	67.3	10-123					
Anthracene	0.686	0.0891	"	0.891	ND	77.0	10-142					
Atrazine	0.834	0.0891	"	0.0891	ND	937	19-115	High Bias				
Benzaldehyde	0.653	0.0891	"	0.0891	ND	733	10-125	High Bias				
Benzo(a)anthracene	0.730	0.0891	"	0.891	ND	81.9	10-158					
Benzo(a)pyrene	0.829	0.0891	"	0.891	ND	93.1	10-180					
Benzo(b)fluoranthene	0.755	0.0891	"	0.891	ND	84.7	10-200					
Benzo(g,h,i)perylene	0.772	0.0891	"	0.891	ND	86.6	10-138					
Benzo(k)fluoranthene	0.753	0.0891	"	0.891	ND	84.6	10-197					
Benzoic acid	0.450	0.0891	"	0.0891	ND	506	10-166	High Bias				
Benzyl alcohol	0.590	0.0891	"	0.891	ND	66.2	12-124					
Benzyl butyl phthalate	0.793	0.0891	"	0.891	ND	89.0	10-154					
Bis(2-chloroethoxy)methane	0.605	0.0891	"	0.891	ND	67.9	10-132					
Bis(2-chloroethyl)ether	0.555	0.0891	"	0.891	ND	62.3	10-119					
Bis(2-chloroisopropyl)ether	0.460	0.0891	"	0.891	ND	51.7	10-139					
Bis(2-ethylhexyl)phthalate	0.845	0.0891	"	0.891	ND	94.9	10-167					
Caprolactam	0.793	0.178	"	0.0891	ND	890	10-132	High Bias				



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
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Batch BH11297 - EPA 3546 SVOA

Matrix Spike (BH11297-MS1)	Matrix Spike	*Source sample: 21H0948-17 (Matrix Spike)					Prepared: 08/24/2021 Analyzed: 08/25/2021					
Carbazole	0.626	0.0891	mg/kg dry	0.891	ND	70.3	10-167					
Chrysene	0.696	0.0891	"	0.891	ND	78.2	10-156					
Dibenzo(a,h)anthracene	0.869	0.0891	"	0.891	ND	97.5	10-137					
Dibenzofuran	0.607	0.0891	"	0.891	ND	68.2	10-147					
Diethyl phthalate	0.636	0.0891	"	0.891	ND	71.4	20-120					
Dimethyl phthalate	0.659	0.0891	"	0.891	ND	74.0	18-131					
Di-n-butyl phthalate	0.740	0.0891	"	0.891	ND	83.1	10-137					
Di-n-octyl phthalate	0.961	0.0891	"	0.891	ND	108	10-180					
Diphenylamine	0.788	0.178	"	0.891	ND	88.5	40-140					
Fluoranthene	0.673	0.0891	"	0.891	ND	75.6	10-160					
Fluorene	0.630	0.0891	"	0.891	ND	70.7	10-157					
Hexachlorobenzene	0.667	0.0891	"	0.891	ND	74.9	10-137					
Hexachlorobutadiene	0.779	0.0891	"	0.891	ND	87.4	10-132					
Hexachlorocyclopentadiene	0.117	0.0891	"	0.891	ND	13.1	10-106					
Hexachloroethane	0.542	0.0891	"	0.891	ND	60.8	10-110					
Indeno(1,2,3-cd)pyrene	0.894	0.0891	"	0.891	ND	100	10-144					
Isophorone	0.638	0.0891	"	0.891	ND	71.7	10-132					
Naphthalene	0.634	0.0891	"	0.891	ND	71.2	10-141					
Nitrobenzene	0.530	0.0891	"	0.891	ND	59.5	10-131					
N-Nitrosodimethylamine	1.18	0.0891	"	0.891	ND	133	10-126	High Bias				
N-nitroso-di-n-propylamine	0.574	0.0891	"	0.891	ND	64.4	10-125					
N-Nitrosodiphenylamine	0.780	0.0891	"	0.891	ND	87.5	10-177					
Pentachlorophenol	0.602	0.0891	"	0.891	ND	67.6	10-153					
Phenanthrene	0.647	0.0891	"	0.891	ND	72.6	10-148					
Phenol	0.521	0.0891	"	0.891	ND	58.5	10-126					
Pyrene	0.662	0.0891	"	0.891	ND	74.3	10-165					
Surrogate: SURR: 2-Fluorophenol	1.13		"	1.78		63.4	20-108					
Surrogate: SURR: Phenol-d5	1.09		"	1.78		61.2	23-114					
Surrogate: SURR: Nitrobenzene-d5	0.536		"	0.891		60.2	22-108					
Surrogate: SURR: 2-Fluorobiphenyl	0.614		"	0.891		68.9	21-113					
Surrogate: SURR: 2,4,6-Tribromophenol	1.51		"	1.78		85.0	19-110					
Surrogate: SURR: Terphenyl-d14	0.703		"	0.891		79.0	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 BH11297 - EPA 3546 SVOA											
Matrix Spike Dup (BH11297-1) Matrix Spike Dup						Source sample: 21H0948-17 (Matrix Spike Dup) Prepared: 08/24/2021 Analyzed: 08/25/2021					
1,1-Biphenyl	0.622	0.0891	mg/kg dry	0.0891	ND	698	10-130	High Bias	1.38	30	
1,2,4,5-Tetrachlorobenzene	0.777	0.178	"	0.891	ND	87.3	10-133		7.07	30	
1,2,4-Trichlorobenzene	0.653	0.0891	"	0.891	ND	73.4	10-127		9.06	30	
1,2-Dichlorobenzene	0.566	0.0891	"	0.891	ND	63.5	14-111		7.40	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.541	0.0891	"	0.891	ND	60.7	10-144		5.51	30	
1,3-Dichlorobenzene	0.541	0.0891	"	0.891	ND	60.7	11-111		14.1	30	
1,4-Dichlorobenzene	0.592	0.0891	"	0.891	ND	66.5	10-106		5.95	30	
2,3,4,6-Tetrachlorophenol	0.685	0.178	"	0.891	ND	76.9	30-130		0.941	30	
2,4,5-Trichlorophenol	0.642	0.0891	"	0.891	ND	72.1	10-127		7.27	30	
2,4,6-Trichlorophenol	0.615	0.0891	"	0.891	ND	69.0	10-132		7.37	30	
2,4-Dichlorophenol	0.634	0.0891	"	0.891	ND	71.2	10-128		4.07	30	
2,4-Dimethylphenol	0.661	0.0891	"	0.891	ND	74.2	10-137		6.67	30	
2,4-Dinitrophenol	ND	0.178	"	0.891	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.405	0.0891	"	0.891	ND	45.5	16-135		9.86	30	
2,6-Dinitrotoluene	0.479	0.0891	"	0.891	ND	53.8	18-131		6.76	30	
2-Chloronaphthalene	0.617	0.0891	"	0.891	ND	69.3	10-129		2.96	30	
2-Chlorophenol	0.563	0.0891	"	0.891	ND	63.2	15-116		9.41	30	
2-Methylnaphthalene	0.675	0.0891	"	0.891	ND	75.8	10-147		7.23	30	
2-Methylphenol	0.580	0.0891	"	0.891	ND	65.1	10-136		10.4	30	
2-Nitroaniline	0.463	0.178	"	0.891	ND	52.0	10-137		4.51	30	
2-Nitrophenol	0.467	0.0891	"	0.891	ND	52.5	10-129		3.00	30	
3- & 4-Methylphenols	0.470	0.0891	"	0.891	ND	52.7	10-123		8.43	30	
3,3-Dichlorobenzidine	1.45	0.0891	"	0.891	ND	163	10-155	High Bias	10.6	30	
3-Nitroaniline	0.551	0.178	"	0.891	ND	61.8	12-133		5.66	30	
4,6-Dinitro-2-methylphenol	0.102	0.178	"	0.891	ND	11.4	10-155		4.11	30	
4-Bromophenyl phenyl ether	0.686	0.0891	"	0.891	ND	77.0	14-128		9.87	30	
4-Chloro-3-methylphenol	0.696	0.0891	"	0.891	ND	78.2	10-134		3.32	30	
4-Chloroaniline	0.618	0.0891	"	0.891	ND	69.4	10-145		4.72	30	
4-Chlorophenyl phenyl ether	0.611	0.0891	"	0.891	ND	68.6	14-130		4.89	30	
4-Nitroaniline	0.494	0.178	"	0.891	ND	55.4	10-147		5.06	30	
4-Nitrophenol	0.363	0.178	"	0.891	ND	40.8	10-137		1.56	30	
Acenaphthene	0.596	0.0891	"	0.891	ND	67.0	10-146		6.70	30	
Acenaphthylene	0.574	0.0891	"	0.891	ND	64.5	10-134		2.21	30	
Acetophenone	0.675	0.0891	"	0.0891	ND	758	10-116	High Bias	2.40	30	
Aniline	0.589	0.357	"	0.891	ND	66.2	10-123		1.68	30	
Anthracene	0.653	0.0891	"	0.891	ND	73.3	10-142		5.00	30	
Atrazine	0.787	0.0891	"	0.0891	ND	883	19-115	High Bias	5.89	30	
Benzaldehyde	0.672	0.0891	"	0.0891	ND	754	10-125	High Bias	2.90	30	
Benzo(a)anthracene	0.705	0.0891	"	0.891	ND	79.1	10-158		3.48	30	
Benzo(a)pyrene	0.820	0.0891	"	0.891	ND	92.1	10-180		1.12	30	
Benzo(b)fluoranthene	0.713	0.0891	"	0.891	ND	80.0	10-200		5.73	30	
Benzo(g,h,i)perylene	0.723	0.0891	"	0.891	ND	81.1	10-138		6.58	30	
Benzo(k)fluoranthene	0.705	0.0891	"	0.891	ND	79.2	10-197		6.55	30	
Benzoic acid	0.360	0.0891	"	0.0891	ND	404	10-166	High Bias	22.3	30	
Benzyl alcohol	0.548	0.0891	"	0.891	ND	61.5	12-124		7.39	30	
Benzyl butyl phthalate	0.743	0.0891	"	0.891	ND	83.4	10-154		6.49	30	
Bis(2-chloroethoxy)methane	0.536	0.0891	"	0.891	ND	60.2	10-132		12.1	30	
Bis(2-chloroethyl)ether	0.506	0.0891	"	0.891	ND	56.8	10-119		9.27	30	
Bis(2-chloroisopropyl)ether	0.437	0.0891	"	0.891	ND	49.0	10-139		5.24	30	
Bis(2-ethylhexyl)phthalate	0.793	0.0891	"	0.891	ND	89.0	10-167		6.35	30	
Caprolactam	0.730	0.178	"	0.0891	ND	819	10-132	High Bias	8.33	30	



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
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Batch BH11297 - EPA 3546 SVOA

Matrix Spike Dup (BH11297-1) Matrix Spike Dup Source sample: 21H0948-17 (Matrix Spike Dup)

Prepared: 08/24/2021 Analyzed: 08/25/2021

Carbazole	0.616	0.0891	mg/kg dry	0.891	ND	69.2	10-167		1.61	30	
Chrysene	0.641	0.0891	"	0.891	ND	71.9	10-156		8.32	30	
Dibenzo(a,h)anthracene	0.797	0.0891	"	0.891	ND	89.4	10-137		8.64	30	
Dibenzofuran	0.601	0.0891	"	0.891	ND	67.4	10-147		1.06	30	
Diethyl phthalate	0.620	0.0891	"	0.891	ND	69.6	20-120		2.50	30	
Dimethyl phthalate	0.646	0.0891	"	0.891	ND	72.5	18-131		2.08	30	
Di-n-butyl phthalate	0.703	0.0891	"	0.891	ND	78.9	10-137		5.23	30	
Di-n-octyl phthalate	0.908	0.0891	"	0.891	ND	102	10-180		5.64	30	
Diphenylamine	0.765	0.178	"	0.891	ND	85.9	40-140		2.94	30	
Fluoranthene	0.660	0.0891	"	0.891	ND	74.1	10-160		2.03	30	
Fluorene	0.614	0.0891	"	0.891	ND	68.9	10-157		2.64	30	
Hexachlorobenzene	0.663	0.0891	"	0.891	ND	74.5	10-137		0.536	30	
Hexachlorobutadiene	0.690	0.0891	"	0.891	ND	77.5	10-132		12.0	30	
Hexachlorocyclopentadiene	0.0955	0.0891	"	0.891	ND	10.7	10-106		20.1	30	
Hexachloroethane	0.504	0.0891	"	0.891	ND	56.6	10-110		7.08	30	
Indeno(1,2,3-cd)pyrene	0.833	0.0891	"	0.891	ND	93.5	10-144		7.10	30	
Isophorone	0.593	0.0891	"	0.891	ND	66.6	10-132		7.41	30	
Naphthalene	0.614	0.0891	"	0.891	ND	69.0	10-141		3.20	30	
Nitrobenzene	0.497	0.0891	"	0.891	ND	55.8	10-131		6.52	30	
N-Nitrosodimethylamine	1.06	0.0891	"	0.891	ND	119	10-126		10.8	30	
N-nitroso-di-n-propylamine	0.533	0.0891	"	0.891	ND	59.8	10-125		7.34	30	
N-Nitrosodiphenylamine	0.747	0.0891	"	0.891	ND	83.9	10-177		4.20	30	
Pentachlorophenol	0.596	0.0891	"	0.891	ND	66.9	10-153		1.07	30	
Phenanthrene	0.621	0.0891	"	0.891	ND	69.8	10-148		4.04	30	
Phenol	0.494	0.0891	"	0.891	ND	55.4	10-126		5.34	30	
Pyrene	0.643	0.0891	"	0.891	ND	72.2	10-165		2.95	30	
Surrogate: SURR: 2-Fluorophenol	1.11		"	1.78		62.3	20-108				
Surrogate: SURR: Phenol-d5	1.02		"	1.78		57.2	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.521		"	0.891		58.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.596		"	0.891		67.0	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.49		"	1.78		83.8	19-110				
Surrogate: SURR: Terphenyl-d14	0.689		"	0.891		77.4	24-116				



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 BH11232 - EPA 3546 PPCB												
Blank (BH11232-BLK1)	Blank							Prepared: 08/23/2021 Analyzed: 08/24/2021				
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	"									
Total PCBs	ND	0.0166	"									
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0721		"	0.0664		108	30-140					
<i>Surrogate: Decachlorobiphenyl</i>	0.0588		"	0.0664		88.5	30-140					
LCS (BH11232-BS1)	LCS							Prepared: 08/23/2021 Analyzed: 08/24/2021				
Aroclor 1016	0.323	0.0166	mg/kg wet	0.332		97.2	40-130					
Aroclor 1260	0.354	0.0166	"	0.332		107	40-130					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0651		"	0.0664		98.0	30-140					
<i>Surrogate: Decachlorobiphenyl</i>	0.0502		"	0.0664		75.5	30-140					
Matrix Spike (BH11232-MS1)	Matrix Spike	*Source sample: 21H0801-04 (Matrix Spike)					Prepared: 08/23/2021 Analyzed: 08/24/2021					
Aroclor 1016	0.274	0.0192	mg/kg dry	0.384	ND	71.4	40-140					
Aroclor 1260	0.305	0.0192	"	0.384	ND	79.5	40-140					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0614		"	0.0768		80.0	30-140					
<i>Surrogate: Decachlorobiphenyl</i>	0.0349		"	0.0768		45.5	30-140					
Matrix Spike Dup (BH11232-MS1)	Matrix Spike Dup	*Source sample: 21H0801-04 (Matrix Spike Dup)					Prepared: 08/23/2021 Analyzed: 08/24/2021					
Aroclor 1016	0.183	0.0192	mg/kg dry	0.384	ND	47.8	40-140		39.6	50		
Aroclor 1260	0.212	0.0192	"	0.384	ND	55.2	40-140		36.1	50		
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0526		"	0.0768		68.5	30-140					
<i>Surrogate: Decachlorobiphenyl</i>	0.0280		"	0.0768		36.5	30-140					



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 BH11374 - EPA 3550C											
Blank (BH11374-BLK2)		Blank							Prepared & Analyzed: 08/25/2021		
Aroclor 1016	ND	0.0164	mg/kg wet								
Aroclor 1221	ND	0.0164	"								
Aroclor 1232	ND	0.0164	"								
Aroclor 1242	ND	0.0164	"								
Aroclor 1248	ND	0.0164	"								
Aroclor 1254	ND	0.0164	"								
Aroclor 1260	ND	0.0164	"								
Total PCBs	ND	0.0164	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0645		"	0.0658		98.0	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0378		"	0.0658		57.5	30-140				
LCS (BH11374-BS2)		LCS							Prepared & Analyzed: 08/25/2021		
Aroclor 1016	0.314	0.0162	mg/kg wet	0.325		96.7	40-130				
Aroclor 1260	0.292	0.0162	"	0.325		90.0	40-130				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0558		"	0.0649		86.0	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0341		"	0.0649		52.5	30-140				
Matrix Spike (BH11374-MS2)		Matrix Spike							*Source sample: 21H0946-03 (SB22_9-10) Prepared: 08/25/2021 Analyzed: 08/26/2021		
Aroclor 1016	0.102	0.0187	mg/kg dry	0.374	ND	27.3	40-140	Low Bias			
Aroclor 1260	0.306	0.0187	"	0.374	ND	81.8	40-140				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0598		"	0.0748		80.0	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0393		"	0.0748		52.5	30-140				
Matrix Spike Dup (BH11374-MS2)		Matrix Spike Dup							*Source sample: 21H0946-03 (SB22_9-10) Prepared: 08/25/2021 Analyzed: 08/26/2021		
Aroclor 1016	0.133	0.0189	mg/kg dry	0.378	ND	35.3	40-140	Low Bias	26.3	50	
Aroclor 1260	0.322	0.0189	"	0.378	ND	85.3	40-140		5.18	50	
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0536		"	0.0756		71.0	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0393		"	0.0756		52.0	30-140				



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 Y1H2442 - BH11235											
Aroclor Reference (Y1H2442)- Aroclor Reference						Prepared & Analyzed: 08/24/2021					
Surrogate: Tetrachloro-m-xylene	0.182		ug/mL	0.200		91.0					
Surrogate: Decachlorobiphenyl	0.166		"	0.200		83.0					
Batch Y1H2443 - BH10786											
Aroclor Reference (Y1H2443)- Aroclor Reference						Prepared & Analyzed: 08/24/2021					
Surrogate: Tetrachloro-m-xylene	0.198		ug/mL	0.200		99.0					
Surrogate: Decachlorobiphenyl	0.183		"	0.200		91.5					
Batch Y1H2553 - BH11374											
Aroclor Reference (Y1H2553)- Aroclor Reference						Prepared & Analyzed: 08/25/2021					
Surrogate: Tetrachloro-m-xylene	0.181		ug/mL	0.200		90.5					
Surrogate: Decachlorobiphenyl	0.152		"	0.200		76.0					



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
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Batch BH11316 - EPA 3050B

Blank (BH11316-BLK1)	Blank	Prepared: 08/24/2021 Analyzed: 08/25/2021									
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	11.2	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								

Duplicate (BH11316-DUP1)	Duplicate	*Source sample: 21H1046-03 (Duplicate) Prepared: 08/24/2021 Analyzed: 08/26/2021									
Aluminum	10800	5.53	mg/kg dry		9910				8.33	35	
Antimony	ND	2.77	"		ND					35	
Arsenic	2.12	1.66	"		2.77			26.4		35	
Barium	157	2.77	"		60.2			89.3		35	Non-dir.
Beryllium	ND	0.055	"		ND					35	
Cadmium	ND	0.332	"		ND					35	
Calcium	3870	5.53	"		5010			25.7		35	
Chromium	23.2	0.553	"		20.9			10.4		35	
Cobalt	9.16	0.443	"		8.40			8.65		35	
Copper	23.7	2.21	"		21.7			8.68		35	
Iron	17500	27.7	"		16000			8.42		35	
Lead	47.6	0.553	"		35.5			29.2		35	
Magnesium	3580	5.53	"		4050			12.2		35	
Manganese	297	0.553	"		357			18.2		35	
Nickel	33.2	1.11	"		24.1			31.8		35	
Potassium	1800	5.53	"		1760			2.21		35	
Selenium	ND	2.77	"		ND					35	
Silver	ND	0.553	"		ND					35	
Sodium	533	55.3	"		518			2.83		35	
Thallium	ND	2.77	"		ND					35	
Vanadium	29.3	1.11	"		26.8			9.10		35	
Zinc	62.9	2.77	"		49.9			23.1		35	



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
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Batch BH11316 - EPA 3050B

Matrix Spike (BH11316-MS1)	Matrix Spike	*Source sample: 21H1046-03 (Matrix Spike)					Prepared: 08/24/2021 Analyzed: 08/26/2021					
Aluminum	10300	5.53	mg/kg dry	221	9910	173	75-125	High Bias				
Antimony	7.59	2.77	"	27.7	ND	27.4	75-125	Low Bias				
Arsenic	205	1.66	"	221	2.77	91.6	75-125					
Barium	312	2.77	"	221	60.2	114	75-125					
Beryllium	4.69	0.055	"	5.53	ND	84.9	75-125					
Cadmium	5.29	0.332	"	5.53	ND	95.6	75-125					
Calcium	4780	5.53	"	111	5010	NR	75-125	Low Bias				
Chromium	41.7	0.553	"	22.1	20.9	94.1	75-125					
Cobalt	64.5	0.443	"	55.3	8.40	101	75-125					
Copper	56.6	2.21	"	27.7	21.7	126	75-125	High Bias				
Iron	15800	27.7	"	111	16000	NR	75-125	Low Bias				
Lead	86.2	0.553	"	55.3	35.5	91.7	75-125					
Magnesium	3940	5.53	"	111	4050	NR	75-125	Low Bias				
Manganese	332	0.553	"	55.3	357	NR	75-125	Low Bias				
Nickel	80.2	1.11	"	55.3	24.1	102	75-125					
Potassium	1910	5.53	"	111	1760	137	75-125	High Bias				
Selenium	167	2.77	"	221	ND	75.5	75-125					
Silver	4.53	0.553	"	5.53	ND	81.9	75-125					
Sodium	677	55.3	"	111	518	144	75-125	High Bias				
Thallium	181	2.77	"	221	ND	81.9	75-125					
Vanadium	77.5	1.11	"	55.3	26.8	91.7	75-125					
Zinc	104	2.77	"	55.3	49.9	97.6	75-125					

Post Spike (BH11316-PS1)	Post Spike	*Source sample: 21H1046-03 (Post Spike)					Prepared: 08/24/2021 Analyzed: 08/26/2021					
Aluminum	97.6		ug/mL	2.00	89.5	405	75-125	High Bias				
Antimony	0.300		"	0.250	0.002	119	75-125					
Arsenic	1.95		"	2.00	0.025	96.0	75-125					
Barium	2.69		"	2.00	0.544	107	75-125					
Beryllium	0.045		"	0.0500	-0.005	90.0	75-125					
Cadmium	0.049		"	0.0500	0.0009	97.0	75-125					
Calcium	48.8		"	1.00	45.3	348	75-125	High Bias				
Chromium	0.399		"	0.200	0.189	105	75-125					
Cobalt	0.608		"	0.500	0.076	106	75-125					
Copper	0.472		"	0.250	0.196	110	75-125					
Iron	154		"	1.00	145	869	75-125	High Bias				
Lead	0.843		"	0.500	0.320	105	75-125					
Magnesium	39.6		"	1.00	36.6	305	75-125	High Bias				
Manganese	3.93		"	0.500	3.23	140	75-125	High Bias				
Nickel	0.765		"	0.500	0.218	110	75-125					
Potassium	18.3		"	1.00	15.9	239	75-125	High Bias				
Selenium	1.56		"	2.00	-0.118	77.8	75-125					
Silver	0.043		"	0.0500	-0.007	85.4	75-125					
Sodium	6.07		"	1.00	4.68	139	75-125	High Bias				
Thallium	1.77		"	2.00	-0.057	88.5	75-125					
Vanadium	0.762		"	0.500	0.242	104	75-125					
Zinc	0.976		"	0.500	0.451	105	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
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Batch BH11316 - EPA 3050B

Reference (BH11316-SRM1) Reference Prepared: 08/24/2021 Analyzed: 08/25/2021

Aluminum	10100	5.00	mg/kg wet	8130		124	49.9-150.1				
Antimony	93.7	2.50	"	134		69.9	19.3-250				
Arsenic	156	1.50	"	156		100	69.9-130.1				
Barium	254	2.50	"	239		106	74.9-124.7				
Beryllium	172	0.050	"	169		102	75.1-125.4				
Cadmium	131	0.300	"	137		95.5	75.2-124.8				
Calcium	5170	5.00	"	4760		109	72.7-127.5				
Chromium	158	0.500	"	154		103	70.1-129.9				
Cobalt	126	0.400	"	121		104	75-124.8				
Copper	60.6	2.00	"	54.9		110	74.9-125				
Iron	15300	25.0	"	14100		109	34.9-164.5				
Lead	125	0.500	"	130		96.0	71.8-128.5				
Magnesium	2520	5.00	"	2320		109	62.1-137.9				
Manganese	278	0.500	"	269		103	74-126.4				
Nickel	66.4	1.00	"	53.9		123	69.9-129.9				
Potassium	2460	5.00	"	2020		122	58.9-141.1				
Selenium	124	2.50	"	167		74.1	67.7-132.3				
Silver	32.6	0.500	"	33.6		97.0	68.5-131.3				
Sodium	180	50.0	"	133		135	35-165.4				
Thallium	103	2.50	"	112		91.7	67.9-131.3				
Vanadium	64.4	1.00	"	62.6		103	59.1-141.1				
Zinc	154	2.50	"	158		97.7	70.3-129.7				



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 BH11382 - EPA 7473 soil												
Blank (BH11382-BLK1)	Blank								Prepared & Analyzed: 08/25/2021			
Mercury	ND	0.0300	mg/kg wet									
Duplicate (BH11382-DUP1)	Duplicate	*Source sample: 21H0941-07 (Duplicate)								Prepared & Analyzed: 08/25/2021		
Mercury	0.504	0.0321	mg/kg dry		0.457				9.79	35		
Matrix Spike (BH11382-MS1)	Matrix Spike	*Source sample: 21H0941-07 (Matrix Spike)								Prepared & Analyzed: 08/25/2021		
Mercury	0.871		mg/kg	0.500	0.427	88.7	75-125					
Reference (BH11382-SRM1)	Reference								Prepared & Analyzed: 08/25/2021			
Mercury	24.964		mg/kg	27.2		91.8	59.9-140.1					



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
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Batch BH11359 - % Solids Prep

Duplicate (BH11359-DUP1)	Duplicate	*Source sample: 21H0948-21 (Duplicate)				Prepared: 08/24/2021 Analyzed: 08/25/2021					
% Solids	80.8	0.100	%		79.8				1.35	20	



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21H0946-01	SB20_1-2	40mL Vial with Stir Bar-Cool 4° C
21H0946-02	SB21_6-7	40mL Vial with Stir Bar-Cool 4° C
21H0946-03	SB22_9-10	40mL Vial with Stir Bar-Cool 4° C
21H0946-04	SB23_10-11	40mL Vial with Stir Bar-Cool 4° C
21H0946-05	SB24_1-2	40mL Vial with Stir Bar-Cool 4° C
21H0946-06	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

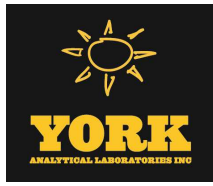


Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PCB-I	PCB calculations are based uoon the average response of 5 peaks for each Aroclor. For this sample an interference was present and the analyst was unable to use all 5 peaks.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-ICV1	The recovery for this element in the Initial Calibration Verification (ICV) exceeded 110% of the expected value. Positive detections may be biased high.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-CRL	The RL check for this element recovered outside of control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
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).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

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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YOUR INFORMATION

Company: LANGAN ENGINEERING
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Phone: 551-404-5597
Contact: ALBERT TASHJI
E-mail: ATASHJI@LANGAN.COM

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

MICHAEL AV

Michael A

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

Report To:

Company: SAME
Address: SAME
Phone: 516-815-0055
Contact: THOMAS SCHIEFER
E-mail: TSCHIEFER@LANGAN.COM

Invoice To:

Company: SAME
Address: SAME
Phone: 516-815-0055
Contact: THOMAS SCHIEFER
E-mail: TSCHIEFER@LANGAN.COM

YOUR Project Number

170362002

YOUR Project Name
500 DEGRAW STREET AND
224 THIRD AVENUE

YOUR PO#:

YORK Project No.
21H0946

Page 1 of 1

Turn-Around Time

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

YORK Reg. Comp.

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

- CT RCP
- Standard Excel EDD
- QA Report
- CT RCP DQA/DUE
- EQUIS (Standard)
- NY ASP A Package
- NYSDDEC EQUIS
- NY ASP B Package
- NJDEP Reduced Deliverables
- NJDEP SRP HazSite
- NJDKQP
- Other:

Container Description

Analysis Requested

Date/Time Sampled

Sample Matrix

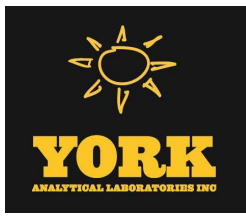
Sample Identification

Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
S	8/18/21 9:15		
S	9:50		
S	11:00	TCL PART 375 VOC'S, TAL METALS	
S	12:00	PCB'S, TAL METALS	
S	12:45		

Comments:

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

Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company
8/18/21 16:35	Michael Av / Langan	8/18/21 16:55	Michael Av / York	8/18/21 9:15	Michael Av / York	8/18/21 9:50	Michael Av / York
8/18/21 17:30	Michael Av / York	8/18/21 16:55	Michael Av / York	8/18/21 11:00	Michael Av / York	8/18/21 12:00	Michael Av / York
8/18/21 17:30	Michael Av / York	8/18/21 16:55	Michael Av / York	8/18/21 12:45	Michael Av / York		



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: 08/27/2021

Client Project ID: 170362002

York Project (SDG) No.: 21H0945



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

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 August 18, 2021 and listed below. The project was identified as your project: **170362002**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
21H0945-01	MW03_081821	Water	08/18/2021	08/18/2021
21H0945-02	MW04_081821	Water	08/18/2021	08/18/2021
21H0945-03	MW05_081821	Water	08/18/2021	08/18/2021
21H0945-04	TRIP BLANK	Water	08/18/2021	08/18/2021
21H0945-05	TRIP BLANK-2	Water	08/18/2021	08/18/2021

not part of
proposed
BCP site

General Notes for York Project (SDG) No.: 21H0945

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

Approved By



Cassie L. Mosher
Laboratory Manager

Date: 08/27/2021





Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

<u>York Project (SDG) No.</u> 21H0945	<u>Client Project ID</u> 170362002	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 18, 2021 11:46 am	<u>Date Received</u> 08/18/2021
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA



Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

<u>York Project (SDG) No.</u> 21H0945	<u>Client Project ID</u> 170362002	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 18, 2021 11:46 am	<u>Date Received</u> 08/18/2021
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Volatile Organics, 8260 - Comprehensive

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
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
67-64-1	Acetone	4.2	CCV-E	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
110-82-7	Cyclohexane	0.40	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA



Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 11:46 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

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
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 16:22	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA



Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 11:46 am

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:22	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 16:22	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	100 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %			79-122						

Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes: HT-01R

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH



Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

<u>York Project (SDG) No.</u> 21H0945	<u>Client Project ID</u> 170362002	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 18, 2021 11:46 am	<u>Date Received</u> 08/18/2021
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Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes: HT-01R

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
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
95-57-8	2-Chlorophenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
95-48-7	2-Methylphenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
88-75-5	2-Nitrophenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
100-02-7	4-Nitrophenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
83-32-9	Acenaphthene	0.621		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
208-96-8	Acenaphthylene	0.0947		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH



Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

<u>York Project (SDG) No.</u> 21H0945	<u>Client Project ID</u> 170362002	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 18, 2021 11:46 am	<u>Date Received</u> 08/18/2021
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Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes: HT-01R

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
120-12-7	Anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
1912-24-9	Atrazine	ND		ug/L	0.526	0.526	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
92-87-5	Benzidine	ND		ug/L	10.5	21.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
65-85-0	Benzoic acid	ND		ug/L	26.3	52.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
117-81-7	Bis(2-ethylhexyl)phthalate	1.40	B	ug/L	0.526	0.526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
218-01-9	Chrysene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH



Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 11:46 am

08/18/2021

Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes: HT-01R

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
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
206-44-0	Fluoranthene	0.221		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
86-73-7	Fluorene	0.453		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	0.0211	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	0.526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
67-72-1	Hexachloroethane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
91-20-3	Naphthalene	0.253		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
98-95-3	Nitrobenzene	ND		ug/L	0.263	0.263	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	0.526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.263	0.263	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
85-01-8	Phenanthrene	0.137		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
108-95-2	Phenol	ND		ug/L	1.32	1.32	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH
129-00-0	Pyrene	0.284		ug/L	0.0526	0.0526	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 15:59	KH
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/26/2021 07:15	08/26/2021 18:17	KH

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 11:46 am

08/18/2021

Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes: HT-01R

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	29.4 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	17.5 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	65.8 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.7 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	95.2 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	72.6 %			30.7-106						

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-39-3	Barium	0.129		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-70-2	Calcium	192	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7439-89-6	Iron	2.78		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7439-95-4	Magnesium	9.69		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7439-96-5	Manganese	0.262		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-09-7	Potassium	14.7		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-23-5	Sodium	115		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM
7440-66-6	Zinc	0.138		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:15	EM



Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

<u>York Project (SDG) No.</u> 21H0945	<u>Client Project ID</u> 170362002	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 18, 2021 11:46 am	<u>Date Received</u> 08/18/2021
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Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-39-3	Barium	0.214		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-70-2	Calcium	207	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7439-89-6	Iron	15.1		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7439-95-4	Magnesium	13.7		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7439-96-5	Manganese	0.887		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-09-7	Potassium	20.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-23-5	Sodium	195		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM
7440-66-6	Zinc	0.124		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:43	EM

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	0.00133		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:20	WJM
7440-38-2	Arsenic	0.00326		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:20	WJM
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:20	WJM



Sample Information

Client Sample ID: MW03_081821

York Sample ID: 21H0945-01

<u>York Project (SDG) No.</u> 21H0945	<u>Client Project ID</u> 170362002	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 18, 2021 11:46 am	<u>Date Received</u> 08/18/2021
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Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:20	WJM
7782-49-2	Selenium	0.00738		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:20	WJM
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:20	WJM

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	0.00116		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:39	WJM
7440-38-2	Arsenic	0.00338		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:39	WJM
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:39	WJM
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:39	WJM
7782-49-2	Selenium	0.0131	M-MBL	mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:39	WJM
7440-28-0	Thallium	ND	k, B	mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:39	WJM

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 20:58	08/24/2021 20:58	AD

Mercury, Dissolved (field filtered)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: NELAC-NY10854	08/20/2021 19:23	08/20/2021 19:23	AA



Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 2:18 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA



Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 2:18 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

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
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
67-64-1	Acetone	2.7	CCV-E	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-00-3	Chloroethane	1.7		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
110-82-7	Cyclohexane	0.25	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA



Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 2:18 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

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
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	0.45	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-65-0	tert-Butyl alcohol (TBA)	17		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
127-18-4	Tetrachloroethylene	0.44	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 16:49	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA



Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 2:18 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 16:49	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 16:49	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	99.7 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %			79-122						

Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH



Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 2:18 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive - LL

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
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
95-57-8	2-Chlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
95-48-7	2-Methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
88-75-5	2-Nitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
100-02-7	4-Nitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH



Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 2:18 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive - LL

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
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
1912-24-9	Atrazine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
92-87-5	Benzidine	ND		ug/L	10.3	20.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.728	B	ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH



Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21H0945

170362002

Water

August 18, 2021 2:18 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive - LL

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
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
86-73-7	Fluorene	0.421		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
67-72-1	Hexachloroethane	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
91-20-3	Naphthalene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
98-95-3	Nitrobenzene	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
85-01-8	Phenanthrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
108-95-2	Phenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH
129-00-0	Pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 18:44	KH
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 15:59	KH

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 2:18 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive - LL

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	63.1 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	41.7 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	100 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	93.0 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	143 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	117 %	S-08		30.7-106						

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-39-3	Barium	0.731		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-70-2	Calcium	302	B	mg/L	0.100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-47-3	Chromium	ND		mg/L	0.0100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-48-4	Cobalt	ND		mg/L	0.00800	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-50-8	Copper	ND		mg/L	0.0400	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7439-89-6	Iron	56.5		mg/L	0.500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7439-92-1	Lead	ND		mg/L	0.0100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7439-95-4	Magnesium	65.1		mg/L	0.100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7439-96-5	Manganese	1.54		mg/L	0.0100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-02-0	Nickel	ND		mg/L	0.0200	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-09-7	Potassium	62.7		mg/L	0.100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-22-4	Silver	ND		mg/L	0.0100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-23-5	Sodium	1290		mg/L	1.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-62-2	Vanadium	ND		mg/L	0.0200	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM
7440-66-6	Zinc	0.137		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:36	EM



Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 2:18 pm

08/18/2021

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-39-3	Barium	0.759		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-70-2	Calcium	315	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7439-89-6	Iron	56.9		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7439-95-4	Magnesium	66.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7439-96-5	Manganese	1.57		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-09-7	Potassium	62.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-23-5	Sodium	1300		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM
7440-66-6	Zinc	0.119		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:32	08/25/2021 15:46	EM

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:23	WJM
7440-38-2	Arsenic	0.0110		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:23	WJM
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:23	WJM





Sample Information

Client Sample ID: MW04_081821

York Sample ID: 21H0945-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 2:18 pm

08/18/2021

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:23	WJM
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:23	WJM
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:23	WJM

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:43	WJM
7440-38-2	Arsenic	0.0201		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:43	WJM
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:43	WJM
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:43	WJM
7782-49-2	Selenium	0.0226	M-MBL	mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:43	WJM
7440-28-0	Thallium	ND	k, B	mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:43	WJM

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 20:58	08/24/2021 20:58	AD

Mercury, Dissolved (field filtered)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: NELAC-NY10854	08/20/2021 19:23	08/20/2021 19:23	AA





Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 4:18 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 4:18 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

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
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 4:18 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Ethyl Benzene, Hexachlorobutadiene, Isopropylbenzene, Methyl acetate, Methyl tert-butyl ether (MTBE), Methylcyclohexane, Methylene chloride, n-Butylbenzene, n-Propylbenzene, o-Xylene, p- & m- Xylenes, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butyl alcohol (TBA), tert-Butylbenzene, Tetrachloroethylene, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropylene, trans-1,4-dichloro-2-butene, Trichloroethylene.



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 4:18 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 17:16	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 17:16	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	100 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %			79-122						

Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 4:18 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive - LL

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
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
95-57-8	2-Chlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
95-48-7	2-Methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
88-75-5	2-Nitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
100-02-7	4-Nitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
83-32-9	Acenaphthene	0.0615		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 4:18 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive - LL

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
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
1912-24-9	Atrazine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
92-87-5	Benzidine	ND		ug/L	10.3	20.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
50-32-8	Benzo(a)pyrene	0.0513		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
205-99-2	Benzo(b)fluoranthene	0.0513		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
207-08-9	Benzo(k)fluoranthene	0.0615		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
117-81-7	Bis(2-ethylhexyl)phthalate	2.26	B	ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 4:18 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive - LL

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
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
206-44-0	Fluoranthene	0.195		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
86-73-7	Fluorene	0.390		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
67-72-1	Hexachloroethane	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
91-20-3	Naphthalene	0.0615		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
98-95-3	Nitrobenzene	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
85-01-8	Phenanthrene	0.0923		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
108-95-2	Phenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH
129-00-0	Pyrene	0.318		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 19:16	KH
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 07:43	08/24/2021 16:29	KH

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 4:18 pm

08/18/2021

Semi-Volatiles, 8270 - Comprehensive - LL

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	54.8 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	35.7 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	92.1 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	85.0 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	131 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	103 %			30.7-106						

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-39-3	Barium	0.179		mg/L	0.125	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-70-2	Calcium	202	B	mg/L	0.250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-47-3	Chromium	ND		mg/L	0.0250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-48-4	Cobalt	ND		mg/L	0.0200	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-50-8	Copper	ND		mg/L	0.100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7439-89-6	Iron	ND		mg/L	1.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7439-92-1	Lead	ND		mg/L	0.0250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7439-95-4	Magnesium	13.4		mg/L	0.250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7439-96-5	Manganese	0.108		mg/L	0.0250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-02-0	Nickel	ND		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-09-7	Potassium	13.9		mg/L	0.250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-22-4	Silver	ND		mg/L	0.0250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-23-5	Sodium	59.8		mg/L	2.50	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-62-2	Vanadium	ND		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM
7440-66-6	Zinc	0.149		mg/L	0.125	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:30	08/25/2021 16:39	EM



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

<u>York Project (SDG) No.</u> 21H0945	<u>Client Project ID</u> 170362002	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 18, 2021 4:18 pm	<u>Date Received</u> 08/18/2021
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Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-39-3	Barium	0.148		mg/L	0.0250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-70-2	Calcium	177		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-47-3	Chromium	ND		mg/L	0.00500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-48-4	Cobalt	ND		mg/L	0.00400	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-50-8	Copper	ND		mg/L	0.0200	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7439-89-6	Iron	0.498		mg/L	0.250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7439-92-1	Lead	ND		mg/L	0.00500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7439-95-4	Magnesium	12.2		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7439-96-5	Manganese	0.0919		mg/L	0.00500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-02-0	Nickel	ND		mg/L	0.0100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-09-7	Potassium	11.5		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-22-4	Silver	ND		mg/L	0.00500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-23-5	Sodium	50.8		mg/L	0.500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-62-2	Vanadium	ND		mg/L	0.0100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM
7440-66-6	Zinc	0.0737		mg/L	0.0250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2021 08:41	08/23/2021 09:04	EM

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:27	WJM
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:27	WJM
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:27	WJM



Sample Information

Client Sample ID: MW05_081821

York Sample ID: 21H0945-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 4:18 pm

08/18/2021

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:27	WJM
7782-49-2	Selenium	0.00175		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:27	WJM
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/25/2021 07:44	08/25/2021 12:27	WJM

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:46	WJM
7440-38-2	Arsenic	0.00211		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:46	WJM
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:46	WJM
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:46	WJM
7782-49-2	Selenium	0.0161	M-MBL	mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:46	WJM
7440-28-0	Thallium	ND	k, B	mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/23/2021 10:48	08/23/2021 16:46	WJM

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0002		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2021 20:58	08/24/2021 20:58	AD

Mercury, Dissolved (field filtered)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: NELAC-NY10854	08/20/2021 19:23	08/20/2021 19:23	AA



Sample Information

Client Sample ID: TRIP BLANK

York Sample ID: 21H0945-04

<u>York Project (SDG) No.</u> 21H0945	<u>Client Project ID</u> 170362002	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 18, 2021 4:35 pm	<u>Date Received</u> 08/18/2021
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA



Sample Information

Client Sample ID: TRIP BLANK

York Sample ID: 21H0945-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 4:35 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

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
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA



Sample Information

Client Sample ID: TRIP BLANK

York Sample ID: 21H0945-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 4:35 pm

08/18/2021

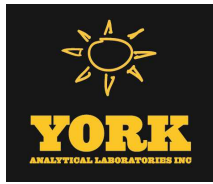
Volatile Organics, 8260 - Comprehensive

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
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 15:29	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA



Sample Information

Client Sample ID: TRIP BLANK

York Sample ID: 21H0945-04

York Project (SDG) No.
21H0945

Client Project ID
170362002

Matrix
Water

Collection Date/Time
August 18, 2021 4:35 pm

Date Received
08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:29	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 15:29	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	99.9 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %			79-122						



Sample Information

Client Sample ID: TRIP BLANK-2

York Sample ID: 21H0945-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 3:00 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA



Sample Information

Client Sample ID: TRIP BLANK-2

York Sample ID: 21H0945-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 3:00 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA



Sample Information

Client Sample ID: TRIP BLANK-2

York Sample ID: 21H0945-05

<u>York Project (SDG) No.</u> 21H0945	<u>Client Project ID</u> 170362002	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 18, 2021 3:00 pm	<u>Date Received</u> 08/18/2021
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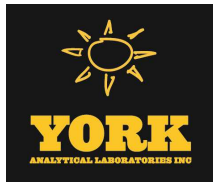
Volatile Organics, 8260 - Comprehensive

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
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 15:02	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA



Sample Information

Client Sample ID: TRIP BLANK-2

York Sample ID: 21H0945-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0945

170362002

Water

August 18, 2021 3:00 pm

08/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/19/2021 06:59	08/19/2021 15:02	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/19/2021 06:59	08/19/2021 15:02	KHA
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %	79-122								





Analytical Batch Summary

Batch ID: BH11114 **Preparation Method:** EPA 3015A **Prepared By:** EM

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-03	MW05_081821	08/20/21
BH11114-BLK1	Blank	08/20/21
BH11114-BS1	LCS	08/20/21
BH11114-DUP1	Duplicate	08/20/21
BH11114-MS1	Matrix Spike	08/20/21
BH11114-PS1	Post Spike	08/20/21

Batch ID: BH11179 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-01	MW03_081821	08/20/21
21H0945-02	MW04_081821	08/20/21
21H0945-03	MW05_081821	08/20/21
BH11179-BLK1	Blank	08/20/21
BH11179-BS1	LCS	08/20/21
BH11179-BS2	LCS	08/20/21

Batch ID: BH11199 **Preparation Method:** EPA 3510C **Prepared By:** BMT

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-02	MW04_081821	08/23/21
21H0945-03	MW05_081821	08/23/21
BH11199-BLK1	Blank	08/23/21
BH11199-BS1	LCS	08/23/21
BH11199-BS2	LCS	08/23/21
BH11199-BSD1	LCS Dup	08/23/21

Batch ID: BH11222 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-01	MW03_081821	08/23/21
21H0945-02	MW04_081821	08/23/21
21H0945-03	MW05_081821	08/23/21
BH11222-BLK1	Blank	08/23/21
BH11222-BS1	LCS	08/23/21
BH11222-DUP1	Duplicate	08/23/21
BH11222-MS1	Matrix Spike	08/23/21

Batch ID: BH11364 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-01	MW03_081821	08/24/21
21H0945-02	MW04_081821	08/24/21



21H0945-03	MW05_081821	08/24/21
BH11364-BLK1	Blank	08/24/21
BH11364-BS1	LCS	08/24/21
BH11364-BS2	LCS	08/24/21

Batch ID: BH11369 **Preparation Method:** EPA 3015A **Prepared By:** EM

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-01	MW03_081821	08/25/21
21H0945-02	MW04_081821	08/25/21
21H0945-03	MW05_081821	08/25/21
BH11369-BLK1	Blank	08/25/21
BH11369-BS1	LCS	08/25/21
BH11369-DUP1	Duplicate	08/25/21
BH11369-MS1	Matrix Spike	08/25/21
BH11369-PS1	Post Spike	08/25/21

Batch ID: BH11370 **Preparation Method:** EPA 3015A **Prepared By:** EM

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-01	MW03_081821	08/25/21
21H0945-02	MW04_081821	08/25/21
BH11370-BLK1	Blank	08/25/21
BH11370-BS1	LCS	08/25/21
BH11370-DUP1	Duplicate	08/25/21
BH11370-MS1	Matrix Spike	08/25/21
BH11370-PS1	Post Spike	08/25/21

Batch ID: BH11371 **Preparation Method:** EPA 3015A **Prepared By:** EM

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-01	MW03_081821	08/25/21
21H0945-02	MW04_081821	08/25/21
21H0945-03	MW05_081821	08/25/21
BH11371-BLK1	Blank	08/25/21
BH11371-BS1	LCS	08/25/21
BH11371-DUP1	Duplicate	08/25/21
BH11371-MS1	Matrix Spike	08/25/21

Batch ID: BH11442 **Preparation Method:** EPA 5030B **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-01	MW03_081821	08/19/21
21H0945-02	MW04_081821	08/19/21
21H0945-03	MW05_081821	08/19/21
21H0945-04	TRIP BLANK	08/19/21
21H0945-05	TRIP BLANK-2	08/19/21
BH11442-BLK1	Blank	08/19/21
BH11442-BS1	LCS	08/19/21



BH11442-BSD1

LCS Dup

08/19/21

Batch ID: BH11462

Preparation Method: EPA 3510C

Prepared By: MC

YORK Sample ID	Client Sample ID	Preparation Date
21H0945-01	MW03_081821	08/26/21
BH11462-BLK1	Blank	08/26/21
BH11462-BS1	LCS	08/26/21
BH11462-BSD1	LCS Dup	08/26/21



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
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Batch BH11442 - EPA 5030B

Blank (BH11442-BLK1)	Blank	Prepared & Analyzed: 08/19/2021									
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	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	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	0.40	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								



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
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Batch BH11442 - EPA 5030B

Blank (BH11442-BLK1)	Blank	Prepared & Analyzed: 08/19/2021									
n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<hr/>											
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: SURRE: Toluene-d8	9.99		"	10.0		99.9	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				

LCS (BH11442-BS1)	LCS	Prepared & Analyzed: 08/19/2021									
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		105	82-126				
1,1,1-Trichloroethane	10		"	10.0		104	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		109	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		119	54-165				
1,1,2-Trichloroethane	10		"	10.0		100	82-123				
1,1-Dichloroethane	10		"	10.0		104	82-129				
1,1-Dichloroethylene	12		"	10.0		117	68-138				
1,2,3-Trichlorobenzene	8.4		"	10.0		84.5	40-130				
1,2,3-Trichloropropane	11		"	10.0		106	77-128				
1,2,4-Trichlorobenzene	9.0		"	10.0		90.0	65-137				
1,2,4-Trimethylbenzene	12		"	10.0		119	82-132				
1,2-Dibromo-3-chloropropane	8.2		"	10.0		81.8	45-147				
1,2-Dibromoethane	9.9		"	10.0		99.4	83-124				
1,2-Dichlorobenzene	11		"	10.0		106	79-123				
1,2-Dichloroethane	10		"	10.0		102	73-132				
1,2-Dichloropropane	11		"	10.0		110	78-126				
1,3,5-Trimethylbenzene	12		"	10.0		121	80-131				
1,3-Dichlorobenzene	11		"	10.0		109	86-130				
1,4-Dichlorobenzene	11		"	10.0		108	85-130				
1,4-Dioxane	200		"	210		92.9	10-349				
2-Butanone	9.7		"	10.0		97.3	49-152				
2-Hexanone	11		"	10.0		114	51-146				
4-Methyl-2-pentanone	11		"	10.0		108	57-145				
Acetone	8.1		"	10.0		81.3	14-150				
Acrolein	9.3		"	10.0		93.3	10-153				
Acrylonitrile	11		"	10.0		108	51-150				
Benzene	11		"	10.0		107	85-126				
Bromochloromethane	11		"	10.0		113	77-128				



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
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Batch BH11442 - EPA 5030B

LCS (BH11442-BS1)	LCS	Prepared & Analyzed: 08/19/2021									
Bromodichloromethane	10	ug/L	10.0	103	79-128						
Bromoform	9.8	"	10.0	98.1	78-133						
Bromomethane	4.3	"	10.0	43.0	43-168						
Carbon disulfide	12	"	10.0	120	68-146						
Carbon tetrachloride	11	"	10.0	106	77-141						
Chlorobenzene	11	"	10.0	107	88-120						
Chloroethane	12	"	10.0	115	65-136						
Chloroform	10	"	10.0	102	82-128						
Chloromethane	10	"	10.0	99.6	43-155						
cis-1,2-Dichloroethylene	11	"	10.0	108	83-129						
cis-1,3-Dichloropropylene	11	"	10.0	106	80-131						
Cyclohexane	8.6	"	10.0	86.4	63-149						
Dibromochloromethane	10	"	10.0	102	80-130						
Dibromomethane	10	"	10.0	100	72-134						
Dichlorodifluoromethane	15	"	10.0	145	44-144	High Bias					
Ethyl Benzene	12	"	10.0	115	80-131						
Hexachlorobutadiene	13	"	10.0	128	67-146						
Isopropylbenzene	12	"	10.0	120	76-140						
Methyl acetate	9.6	"	10.0	95.7	51-139						
Methyl tert-butyl ether (MTBE)	10	"	10.0	102	76-135						
Methylcyclohexane	11	"	10.0	111	72-143						
Methylene chloride	12	"	10.0	116	55-137						
n-Butylbenzene	11	"	10.0	115	79-132						
n-Propylbenzene	12	"	10.0	121	78-133						
o-Xylene	11	"	10.0	113	78-130						
p- & m- Xylenes	24	"	20.0	119	77-133						
p-Isopropyltoluene	12	"	10.0	116	81-136						
sec-Butylbenzene	12	"	10.0	121	79-137						
Styrene	11	"	10.0	112	67-132						
tert-Butyl alcohol (TBA)	46	"	50.0	91.6	25-162						
tert-Butylbenzene	9.7	"	10.0	97.3	77-138						
Tetrachloroethylene	9.6	"	10.0	96.1	82-131						
Toluene	11	"	10.0	112	80-127						
trans-1,2-Dichloroethylene	12	"	10.0	116	80-132						
trans-1,3-Dichloropropylene	11	"	10.0	105	78-131						
trans-1,4-dichloro-2-butene	11	"	10.0	111	63-141						
Trichloroethylene	11	"	10.0	106	82-128						
Trichlorofluoromethane	12	"	10.0	116	67-139						
Vinyl Chloride	11	"	10.0	112	58-145						
Surrogate: SURRE: 1,2-Dichloroethane-d4	9.90	"	10.0	99.0	69-130						
Surrogate: SURRE: Toluene-d8	10.0	"	10.0	100	81-117						
Surrogate: SURRE: p-Bromofluorobenzene	11.0	"	10.0	110	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 BH11442 - EPA 5030B											
LCS Dup (BH11442-bsd1)	LCS Dup		Prepared & Analyzed: 08/19/2021								
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		103	82-126		1.64	30	
1,1,1-Trichloroethane	9.8		"	10.0		98.3	78-136		5.15	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		109	76-129		0.0914	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		114	54-165		4.29	30	
1,1,2-Trichloroethane	10		"	10.0		103	82-123		2.57	30	
1,1-Dichloroethane	10		"	10.0		101	82-129		2.63	30	
1,1-Dichloroethylene	11		"	10.0		110	68-138		6.00	30	
1,2,3-Trichlorobenzene	8.6		"	10.0		86.1	40-130		1.88	30	
1,2,3-Trichloropropane	11		"	10.0		106	77-128		0.188	30	
1,2,4-Trichlorobenzene	9.0		"	10.0		90.4	65-137		0.443	30	
1,2,4-Trimethylbenzene	11		"	10.0		112	82-132		6.58	30	
1,2-Dibromo-3-chloropropane	8.5		"	10.0		85.1	45-147		3.95	30	
1,2-Dibromoethane	10		"	10.0		103	83-124		3.94	30	
1,2-Dichlorobenzene	10		"	10.0		103	79-123		3.25	30	
1,2-Dichloroethane	10		"	10.0		101	73-132		0.395	30	
1,2-Dichloropropane	11		"	10.0		109	78-126		1.46	30	
1,3,5-Trimethylbenzene	11		"	10.0		113	80-131		7.27	30	
1,3-Dichlorobenzene	10		"	10.0		103	86-130		5.10	30	
1,4-Dichlorobenzene	10		"	10.0		103	85-130		4.84	30	
1,4-Dioxane	220		"	210		107	10-349		14.2	30	
2-Butanone	10		"	10.0		101	49-152		3.53	30	
2-Hexanone	12		"	10.0		119	51-146		4.22	30	
4-Methyl-2-pentanone	12		"	10.0		116	57-145		6.34	30	
Acetone	8.1		"	10.0		80.9	14-150		0.493	30	
Acrolein	10		"	10.0		101	10-153		8.02	30	
Acrylonitrile	11		"	10.0		112	51-150		3.47	30	
Benzene	10		"	10.0		102	85-126		4.58	30	
Bromochloromethane	11		"	10.0		112	77-128		1.34	30	
Bromodichloromethane	10		"	10.0		102	79-128		1.66	30	
Bromoform	10		"	10.0		102	78-133		4.09	30	
Bromomethane	4.5		"	10.0		45.0	43-168		4.55	30	
Carbon disulfide	11		"	10.0		112	68-146		6.39	30	
Carbon tetrachloride	10		"	10.0		100	77-141		5.25	30	
Chlorobenzene	10		"	10.0		104	88-120		2.75	30	
Chloroethane	11		"	10.0		109	65-136		5.80	30	
Chloroform	9.9		"	10.0		98.9	82-128		2.69	30	
Chloromethane	9.0		"	10.0		90.2	43-155		9.91	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		3.39	30	
cis-1,3-Dichloropropylene	10		"	10.0		104	80-131		2.00	30	
Cyclohexane	8.4		"	10.0		84.0	63-149		2.82	30	
Dibromochloromethane	10		"	10.0		103	80-130		1.27	30	
Dibromomethane	10		"	10.0		103	72-134		2.85	30	
Dichlorodifluoromethane	14		"	10.0		137	44-144		6.03	30	
Ethyl Benzene	11		"	10.0		111	80-131		3.63	30	
Hexachlorobutadiene	13		"	10.0		130	67-146		1.71	30	
Isopropylbenzene	11		"	10.0		110	76-140		8.73	30	
Methyl acetate	10		"	10.0		103	51-139		7.06	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		105	76-135		2.70	30	
Methylcyclohexane	11		"	10.0		107	72-143		4.04	30	
Methylene chloride	11		"	10.0		113	55-137		2.70	30	
n-Butylbenzene	11		"	10.0		114	79-132		0.876	30	



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 BH11442 - EPA 5030B											
LCS Dup (BH11442-bsd1)	LCS Dup						Prepared & Analyzed: 08/19/2021				
n-Propylbenzene	11		ug/L	10.0		112	78-133		8.24	30	
o-Xylene	11		"	10.0		110	78-130		2.60	30	
p- & m- Xylenes	23		"	20.0		115	77-133		3.68	30	
p-Isopropyltoluene	11		"	10.0		108	81-136		6.95	30	
sec-Butylbenzene	11		"	10.0		113	79-137		6.50	30	
Styrene	11		"	10.0		109	67-132		2.80	30	
tert-Butyl alcohol (TBA)	50		"	50.0		101	25-162		9.78	30	
tert-Butylbenzene	9.0		"	10.0		90.4	77-138		7.35	30	
Tetrachloroethylene	9.2		"	10.0		91.7	82-131		4.69	30	
Toluene	11		"	10.0		108	80-127		3.55	30	
trans-1,2-Dichloroethylene	11		"	10.0		110	80-132		5.84	30	
trans-1,3-Dichloropropylene	11		"	10.0		105	78-131		0.0951	30	
trans-1,4-dichloro-2-butene	11		"	10.0		110	63-141		0.996	30	
Trichloroethylene	10		"	10.0		102	82-128		3.94	30	
Trichlorofluoromethane	11		"	10.0		110	67-139		5.50	30	
Vinyl Chloride	10		"	10.0		104	58-145		7.11	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</i>	<i>79-122</i>				



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
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Batch BH11199 - EPA 3510C

Blank (BH11199-BLK1) Blank Prepared: 08/23/2021 Analyzed: 08/24/2021

1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	1.25	"								
2,4,5-Trichlorophenol	ND	1.25	"								
2,4,6-Trichlorophenol	ND	1.25	"								
2,4-Dichlorophenol	ND	1.25	"								
2,4-Dimethylphenol	ND	1.25	"								
2,4-Dinitrophenol	ND	1.25	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	1.25	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	1.25	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	1.25	"								
3- & 4-Methylphenols	ND	1.25	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	1.25	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	1.25	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	1.25	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	20.0	"								
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	"								
Benzoic acid	ND	50.0	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	1.25	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	0.520	0.500	"								



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
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Batch BH11199 - EPA 3510C

Blank (BH11199-BLK1) Blank

Prepared: 08/23/2021 Analyzed: 08/24/2021

Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	1.25	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	35.9		"	50.0		71.8	19.7-63.1				
Surrogate: SURR: Phenol-d5	22.6		"	50.0		45.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	28.3		"	25.0		113	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	25.0		"	25.0		100	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	78.4		"	50.0		157	39.3-151				
Surrogate: SURR: Terphenyl-d14	43.3		"	25.0		173	30.7-106				



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 BH11199 - EPA 3510C											
LCS (BH11199-BS1)	LCS	Prepared: 08/23/2021 Analyzed: 08/24/2021									
1,1-Biphenyl	ND	5.00	ug/L	2.50			21-102	Low Bias			
1,2,4,5-Tetrachlorobenzene	25.8	5.00	"	50.0		51.6	28-105				
1,2,4-Trichlorobenzene	21.3	5.00	"	25.0		85.2	35-91				
1,2-Dichlorobenzene	19.9	5.00	"	25.0		79.7	42-85				
1,2-Diphenylhydrazine (as Azobenzene)	21.9	5.00	"	25.0		87.6	16-137				
1,3-Dichlorobenzene	19.5	5.00	"	25.0		77.9	45-80				
1,4-Dichlorobenzene	19.9	5.00	"	25.0		79.7	42-82				
2,3,4,6-Tetrachlorophenol	27.3	1.25	"	25.0		109	30-130				
2,4,5-Trichlorophenol	26.0	1.25	"	25.0		104	36-112				
2,4,6-Trichlorophenol	25.2	1.25	"	25.0		101	41-107				
2,4-Dichlorophenol	24.4	1.25	"	25.0		97.5	43-92	High Bias			
2,4-Dimethylphenol	22.9	1.25	"	25.0		91.6	25-92				
2,4-Dinitrophenol	54.5	1.25	"	25.0		218	10-149	High Bias			
2,4-Dinitrotoluene	32.4	5.00	"	25.0		130	41-114	High Bias			
2,6-Dinitrotoluene	30.5	5.00	"	25.0		122	49-106	High Bias			
2-Chloronaphthalene	21.7	5.00	"	25.0		86.7	40-96				
2-Chlorophenol	23.3	1.25	"	25.0		93.2	35-84	High Bias			
2-Methylnaphthalene	22.5	5.00	"	25.0		90.0	33-101				
2-Methylphenol	21.1	1.25	"	25.0		84.6	10-90				
2-Nitroaniline	27.9	5.00	"	25.0		112	31-122				
2-Nitrophenol	31.3	1.25	"	25.0		125	37-97	High Bias			
3- & 4-Methylphenols	17.8	1.25	"	25.0		71.4	10-101				
3,3-Dichlorobenzidine	21.5	5.00	"	50.0		43.1	25-155				
3-Nitroaniline	28.1	5.00	"	25.0		112	29-128				
4,6-Dinitro-2-methylphenol	50.7	1.25	"	25.0		203	10-135	High Bias			
4-Bromophenyl phenyl ether	25.0	5.00	"	25.0		99.9	38-116				
4-Chloro-3-methylphenol	24.7	1.25	"	25.0		98.9	28-101				
4-Chloroaniline	24.1	5.00	"	25.0		96.3	10-154				
4-Chlorophenyl phenyl ether	23.3	5.00	"	25.0		93.2	34-112				
4-Nitroaniline	26.6	5.00	"	25.0		106	15-143				
4-Nitrophenol	15.2	1.25	"	25.0		60.8	10-112				
Acenaphthene	22.1	0.0500	"	25.0		88.3	24-114				
Acenaphthylene	21.8	0.0500	"	25.0		87.3	26-112				
Acetophenone	2.62	5.00	"	2.50		105	47-92	High Bias			
Aniline	25.1	5.00	"	25.0		100	10-107				
Anthracene	24.4	0.0500	"	25.0		97.6	35-114				
Atrazine	2.68	0.500	"	2.50		107	43-101	High Bias			
Benzaldehyde	ND	5.00	"	2.50			17-117	Low Bias			
Benzo(a)anthracene	24.4	0.0500	"	25.0		97.6	38-127				
Benzo(a)pyrene	23.9	0.0500	"	25.0		95.8	30-146				
Benzo(b)fluoranthene	22.5	0.0500	"	25.0		89.9	36-145				
Benzo(g,h,i)perylene	28.7	0.0500	"	25.0		115	10-163				
Benzo(k)fluoranthene	22.8	0.0500	"	25.0		91.2	16-149				
Benzoic acid	ND	50.0	"	2.50			30-130	Low Bias			
Benzyl alcohol	21.6	5.00	"	25.0		86.6	18-75	High Bias			
Benzyl butyl phthalate	28.3	5.00	"	25.0		113	28-129				
Bis(2-chloroethoxy)methane	22.0	5.00	"	25.0		87.9	27-112				
Bis(2-chloroethyl)ether	18.3	1.25	"	25.0		73.3	24-114				
Bis(2-chloroisopropyl)ether	20.5	5.00	"	25.0		82.0	21-124				
Bis(2-ethylhexyl)phthalate	29.1	0.500	"	25.0		116	10-171				
Caprolactam	ND	5.00	"	2.50			10-29	Low Bias			



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 BH11199 - EPA 3510C											
LCS (BH11199-BS1)	LCS	Prepared: 08/23/2021 Analyzed: 08/24/2021									
Carbazole	24.1	5.00	ug/L	25.0		96.6	49-116				
Chrysene	24.9	0.0500	"	25.0		99.5	33-120				
Dibenzo(a,h)anthracene	30.0	0.0500	"	25.0		120	10-149				
Dibenzofuran	22.5	5.00	"	25.0		89.9	42-105				
Diethyl phthalate	23.4	5.00	"	25.0		93.7	38-112				
Dimethyl phthalate	22.9	5.00	"	25.0		91.5	49-106				
Di-n-butyl phthalate	24.8	5.00	"	25.0		99.1	36-110				
Di-n-octyl phthalate	28.2	5.00	"	25.0		113	12-149				
Fluoranthene	23.8	0.0500	"	25.0		95.2	33-126				
Fluorene	22.6	0.0500	"	25.0		90.5	28-117				
Hexachlorobenzene	21.2	0.0200	"	25.0		84.6	27-120				
Hexachlorobutadiene	21.1	0.500	"	25.0		84.4	25-106				
Hexachlorocyclopentadiene	19.9	5.00	"	25.0		79.6	10-99				
Hexachloroethane	18.9	0.500	"	25.0		75.5	33-84				
Indeno(1,2,3-cd)pyrene	27.5	0.0500	"	25.0		110	10-150				
Isophorone	21.5	5.00	"	25.0		86.1	29-115				
Naphthalene	22.1	0.0500	"	25.0		88.4	30-99				
Nitrobenzene	23.0	0.250	"	25.0		92.1	32-113				
N-Nitrosodimethylamine	12.4	0.500	"	25.0		49.5	10-63				
N-nitroso-di-n-propylamine	20.8	5.00	"	25.0		83.1	36-118				
N-Nitrosodiphenylamine	28.6	5.00	"	25.0		114	27-145				
Pentachlorophenol	29.1	0.250	"	25.0		116	19-127				
Phenanthrene	22.8	0.0500	"	25.0		91.4	31-112				
Phenol	13.6	1.25	"	25.0		54.3	10-37	High Bias			
Pyrene	29.0	0.0500	"	25.0		116	42-125				
Pyridine	17.4	5.00	"	25.5		68.1	10-46	High Bias			
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>27.3</i>		<i>"</i>	<i>50.0</i>		<i>54.6</i>	<i>19.7-63.1</i>				
<i>Surrogate: SURR: Phenol-d5</i>	<i>18.3</i>		<i>"</i>	<i>50.0</i>		<i>36.6</i>	<i>10.1-41.7</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>20.5</i>		<i>"</i>	<i>25.0</i>		<i>81.9</i>	<i>50.2-113</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>19.0</i>		<i>"</i>	<i>25.0</i>		<i>76.2</i>	<i>39.9-105</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>55.9</i>		<i>"</i>	<i>50.0</i>		<i>112</i>	<i>39.3-151</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>26.8</i>		<i>"</i>	<i>25.0</i>		<i>107</i>	<i>30.7-106</i>				



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 BH11199 - EPA 3510C											
LCS (BH11199-BS2)	LCS	Prepared: 08/23/2021 Analyzed: 08/24/2021									
1,1-Biphenyl	ND	5.00	ug/L				21-102				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				28-105				
1,2,4-Trichlorobenzene	ND	5.00	"	1.00			35-91	Low Bias			
1,2-Dichlorobenzene	ND	5.00	"	1.00			42-85	Low Bias			
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-137	Low Bias			
1,3-Dichlorobenzene	ND	5.00	"	1.00			45-80	Low Bias			
1,4-Dichlorobenzene	ND	5.00	"	1.00			42-82	Low Bias			
2,3,4,6-Tetrachlorophenol	ND	1.25	"	1.00			30-130	Low Bias			
2,4,5-Trichlorophenol	ND	1.25	"	1.00			36-112	Low Bias			
2,4,6-Trichlorophenol	ND	1.25	"	1.00			41-107	Low Bias			
2,4-Dichlorophenol	ND	1.25	"	1.00			43-92	Low Bias			
2,4-Dimethylphenol	ND	1.25	"	1.00			25-92	Low Bias			
2,4-Dinitrophenol	ND	1.25	"	1.00			10-149	Low Bias			
2,4-Dinitrotoluene	ND	5.00	"	1.00			41-114	Low Bias			
2,6-Dinitrotoluene	ND	5.00	"	1.00			49-106	Low Bias			
2-Chloronaphthalene	ND	5.00	"	1.00			40-96	Low Bias			
2-Chlorophenol	ND	1.25	"	1.00			35-84	Low Bias			
2-Methylnaphthalene	ND	5.00	"	1.00			33-101	Low Bias			
2-Methylphenol	ND	1.25	"	1.00			10-90	Low Bias			
2-Nitroaniline	ND	5.00	"	1.00			31-122	Low Bias			
2-Nitrophenol	ND	1.25	"	1.00			37-97	Low Bias			
3- & 4-Methylphenols	ND	1.25	"	1.00			10-101	Low Bias			
3,3-Dichlorobenzidine	ND	5.00	"				25-155				
3-Nitroaniline	ND	5.00	"	1.00			29-128	Low Bias			
4,6-Dinitro-2-methylphenol	ND	1.25	"	1.00			10-135	Low Bias			
4-Bromophenyl phenyl ether	ND	5.00	"	1.00			38-116	Low Bias			
4-Chloro-3-methylphenol	ND	1.25	"	1.00			28-101	Low Bias			
4-Chloroaniline	ND	5.00	"	1.00			10-154	Low Bias			
4-Chlorophenyl phenyl ether	ND	5.00	"	1.00			34-112	Low Bias			
4-Nitroaniline	ND	5.00	"	1.00			15-143	Low Bias			
4-Nitrophenol	ND	1.25	"	1.00			10-112	Low Bias			
Acenaphthene	0.860	0.0500	"	1.00		86.0	24-114				
Acenaphthylene	0.920	0.0500	"	1.00		92.0	26-112				
Acetophenone	ND	5.00	"				47-92				
Aniline	ND	5.00	"	1.00			10-107	Low Bias			
Anthracene	0.460	0.0500	"	1.00		46.0	35-114				
Atrazine	ND	0.500	"				43-101				
Benzaldehyde	ND	5.00	"				17-117				
Benzo(a)anthracene	0.940	0.0500	"	1.00		94.0	38-127				
Benzo(a)pyrene	0.490	0.0500	"	1.00		49.0	30-146				
Benzo(b)fluoranthene	1.16	0.0500	"	1.00		116	36-145				
Benzo(g,h,i)perylene	1.18	0.0500	"	1.00		118	10-163				
Benzo(k)fluoranthene	1.05	0.0500	"	1.00		105	16-149				
Benzoic acid	ND	50.0	"				30-130				
Benzyl alcohol	ND	5.00	"	1.00			18-75	Low Bias			
Benzyl butyl phthalate	ND	5.00	"	1.00			28-129	Low Bias			
Bis(2-chloroethoxy)methane	ND	5.00	"	1.00			27-112	Low Bias			
Bis(2-chloroethyl)ether	ND	1.25	"	1.00			24-114	Low Bias			
Bis(2-chloroisopropyl)ether	ND	5.00	"	1.00			21-124	Low Bias			
Bis(2-ethylhexyl)phthalate	1.60	0.500	"	1.00		160	10-171				
Caprolactam	ND	5.00	"				10-29				



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
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Batch BH11199 - EPA 3510C

LCS (BH11199-BS2)	LCS	Prepared: 08/23/2021 Analyzed: 08/24/2021									
Carbazole	ND	5.00	ug/L	1.00			49-116	Low Bias			
Chrysene	1.13	0.0500	"	1.00		113	33-120				
Dibenzo(a,h)anthracene	1.16	0.0500	"	1.00		116	10-149				
Dibenzofuran	ND	5.00	"	1.00			42-105	Low Bias			
Diethyl phthalate	ND	5.00	"	1.00			38-112	Low Bias			
Dimethyl phthalate	ND	5.00	"	1.00			49-106	Low Bias			
Di-n-butyl phthalate	ND	5.00	"	1.00			36-110	Low Bias			
Di-n-octyl phthalate	ND	5.00	"	1.00			12-149	Low Bias			
Fluoranthene	1.12	0.0500	"	1.00		112	33-126				
Fluorene	1.02	0.0500	"	1.00		102	28-117				
Hexachlorobenzene	0.860	0.0200	"	1.00		86.0	27-120				
Hexachlorobutadiene	0.780	0.500	"	1.00		78.0	25-106				
Hexachlorocyclopentadiene	ND	5.00	"	1.00			10-99	Low Bias			
Hexachloroethane	0.760	0.500	"	1.00		76.0	33-84				
Indeno(1,2,3-cd)pyrene	1.08	0.0500	"	1.00		108	10-150				
Isophorone	ND	5.00	"	1.00			29-115	Low Bias			
Naphthalene	0.940	0.0500	"	1.00		94.0	30-99				
Nitrobenzene	0.790	0.250	"	1.00		79.0	32-113				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-63	Low Bias			
N-nitroso-di-n-propylamine	ND	5.00	"	1.00			36-118	Low Bias			
N-Nitrosodiphenylamine	ND	5.00	"	1.00			27-145	Low Bias			
Pentachlorophenol	0.760	0.250	"	1.00		76.0	19-127				
Phenanthrene	1.01	0.0500	"	1.00		101	31-112				
Phenol	ND	1.25	"	1.00			10-37	Low Bias			
Pyrene	1.14	0.0500	"	1.00		114	42-125				
Pyridine	ND	5.00	"	1.00			10-46	Low Bias			
Surrogate: SURR: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURR: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



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 BH11199 - EPA 3510C											
LCS Dup (BH11199-BSD1)		LCS Dup		Prepared: 08/23/2021 Analyzed: 08/24/2021							
1,1-Biphenyl	ND	5.00	ug/L	2.50			21-102	Low Bias		20	
1,2,4,5-Tetrachlorobenzene	20.5	5.00	"	50.0		41.0	28-105		22.9	20	Non-dir.
1,2,4-Trichlorobenzene	17.2	5.00	"	25.0		68.8	35-91		21.3	20	Non-dir.
1,2-Dichlorobenzene	15.8	5.00	"	25.0		63.2	42-85		23.0	20	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	17.9	5.00	"	25.0		71.5	16-137		20.2	20	Non-dir.
1,3-Dichlorobenzene	15.3	5.00	"	25.0		61.2	45-80		24.0	20	Non-dir.
1,4-Dichlorobenzene	16.1	5.00	"	25.0		64.5	42-82		21.1	20	Non-dir.
2,3,4,6-Tetrachlorophenol	22.5	1.25	"	25.0		89.8	30-130		19.6	20	
2,4,5-Trichlorophenol	20.7	1.25	"	25.0		82.9	36-112		22.5	20	Non-dir.
2,4,6-Trichlorophenol	20.9	1.25	"	25.0		83.8	41-107		18.5	20	
2,4-Dichlorophenol	20.6	1.25	"	25.0		82.5	43-92		16.7	20	
2,4-Dimethylphenol	19.6	1.25	"	25.0		78.5	25-92		15.4	20	
2,4-Dinitrophenol	40.0	1.25	"	25.0		160	10-149	High Bias	30.6	20	Non-dir.
2,4-Dinitrotoluene	27.7	5.00	"	25.0		111	41-114		15.6	20	
2,6-Dinitrotoluene	25.5	5.00	"	25.0		102	49-106		17.7	20	
2-Chloronaphthalene	17.6	5.00	"	25.0		70.3	40-96		20.9	20	Non-dir.
2-Chlorophenol	19.7	1.25	"	25.0		78.6	35-84		17.0	20	
2-Methylnaphthalene	18.0	5.00	"	25.0		72.1	33-101		22.2	20	Non-dir.
2-Methylphenol	18.5	1.25	"	25.0		73.9	10-90		13.4	20	
2-Nitroaniline	23.8	5.00	"	25.0		95.1	31-122		15.9	20	
2-Nitrophenol	26.2	1.25	"	25.0		105	37-97	High Bias	18.0	20	
3- & 4-Methylphenols	15.5	1.25	"	25.0		62.0	10-101		14.0	20	
3,3-Dichlorobenzidine	18.8	5.00	"	50.0		37.6	25-155		13.5	20	
3-Nitroaniline	26.0	5.00	"	25.0		104	29-128		7.72	20	
4,6-Dinitro-2-methylphenol	40.9	1.25	"	25.0		163	10-135	High Bias	21.5	20	Non-dir.
4-Bromophenyl phenyl ether	20.2	5.00	"	25.0		80.6	38-116		21.3	20	Non-dir.
4-Chloro-3-methylphenol	20.6	1.25	"	25.0		82.3	28-101		18.3	20	
4-Chloroaniline	22.5	5.00	"	25.0		89.9	10-154		6.92	20	
4-Chlorophenyl phenyl ether	19.3	5.00	"	25.0		77.3	34-112		18.6	20	
4-Nitroaniline	24.2	5.00	"	25.0		96.7	15-143		9.42	20	
4-Nitrophenol	14.2	1.25	"	25.0		56.6	10-112		7.08	20	
Acenaphthene	18.2	0.0500	"	25.0		72.8	24-114		19.3	20	
Acenaphthylene	17.9	0.0500	"	25.0		71.7	26-112		19.6	20	
Acetophenone	ND	5.00	"	2.50			47-92	Low Bias		20	
Aniline	16.9	5.00	"	25.0		67.5	10-107		39.1	20	Non-dir.
Anthracene	20.3	0.0500	"	25.0		81.3	35-114		18.2	20	
Atrazine	2.20	0.500	"	2.50		88.0	43-101		19.7	20	
Benzaldehyde	ND	5.00	"	2.50			17-117	Low Bias		20	
Benzo(a)anthracene	20.6	0.0500	"	25.0		82.5	38-127		16.8	20	
Benzo(a)pyrene	19.0	0.0500	"	25.0		76.0	30-146		23.0	20	Non-dir.
Benzo(b)fluoranthene	18.2	0.0500	"	25.0		72.7	36-145		21.2	20	Non-dir.
Benzo(g,h,i)perylene	23.9	0.0500	"	25.0		95.6	10-163		18.2	20	
Benzo(k)fluoranthene	18.6	0.0500	"	25.0		74.4	16-149		20.3	20	Non-dir.
Benzoic acid	ND	50.0	"	2.50			30-130	Low Bias		20	
Benzyl alcohol	19.8	5.00	"	25.0		79.3	18-75	High Bias	8.78	20	
Benzyl butyl phthalate	24.0	5.00	"	25.0		96.2	28-129		16.1	20	
Bis(2-chloroethoxy)methane	17.9	5.00	"	25.0		71.7	27-112		20.3	20	Non-dir.
Bis(2-chloroethyl)ether	18.3	1.25	"	25.0		73.3	24-114		0.00	20	
Bis(2-chloroisopropyl)ether	16.8	5.00	"	25.0		67.2	21-124		19.8	20	
Bis(2-ethylhexyl)phthalate	24.4	0.500	"	25.0		97.5	10-171		17.6	20	
Caprolactam	ND	5.00	"	2.50			10-29	Low Bias		20	



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 BH11199 - EPA 3510C											
LCS Dup (BH11199-BS1)	LCS Dup	Prepared: 08/23/2021 Analyzed: 08/24/2021									
Carbazole	20.1	5.00	ug/L	25.0		80.4	49-116		18.2	20	
Chrysene	21.0	0.0500	"	25.0		84.0	33-120		17.0	20	
Dibenzo(a,h)anthracene	24.6	0.0500	"	25.0		98.6	10-149		19.7	20	
Dibenzofuran	18.6	5.00	"	25.0		74.4	42-105		18.9	20	
Diethyl phthalate	19.6	5.00	"	25.0		78.2	38-112		18.0	20	
Dimethyl phthalate	19.2	5.00	"	25.0		77.0	49-106		17.2	20	
Di-n-butyl phthalate	21.0	5.00	"	25.0		83.8	36-110		16.8	20	
Di-n-octyl phthalate	22.7	5.00	"	25.0		90.9	12-149		21.4	20	Non-dir.
Fluoranthene	20.0	0.0500	"	25.0		80.0	33-126		17.4	20	
Fluorene	18.8	0.0500	"	25.0		75.3	28-117		18.4	20	
Hexachlorobenzene	17.5	0.0200	"	25.0		70.1	27-120		18.7	20	
Hexachlorobutadiene	17.1	0.500	"	25.0		68.3	25-106		21.1	20	Non-dir.
Hexachlorocyclopentadiene	15.6	5.00	"	25.0		62.5	10-99		24.0	20	Non-dir.
Hexachloroethane	15.1	0.500	"	25.0		60.3	33-84		22.3	20	Non-dir.
Indeno(1,2,3-cd)pyrene	22.7	0.0500	"	25.0		90.7	10-150		19.4	20	
Isophorone	18.1	5.00	"	25.0		72.6	29-115		17.0	20	
Naphthalene	17.8	0.0500	"	25.0		71.1	30-99		21.7	20	Non-dir.
Nitrobenzene	19.0	0.250	"	25.0		75.9	32-113		19.3	20	
N-Nitrosodimethylamine	11.2	0.500	"	25.0		44.8	10-63		9.93	20	
N-nitroso-di-n-propylamine	16.9	5.00	"	25.0		67.6	36-118		20.5	20	Non-dir.
N-Nitrosodiphenylamine	23.5	5.00	"	25.0		94.0	27-145		19.4	20	
Pentachlorophenol	23.4	0.250	"	25.0		93.5	19-127		21.9	20	Non-dir.
Phenanthrene	19.0	0.0500	"	25.0		76.2	31-112		18.1	20	
Phenol	12.0	1.25	"	25.0		48.0	10-37	High Bias	12.3	20	
Pyrene	23.5	0.0500	"	25.0		94.0	42-125		20.9	20	Non-dir.
Pyridine	16.4	5.00	"	25.5		64.4	10-46	High Bias	5.50	20	
Surrogate: SURR: 2-Fluorophenol	25.8		"	50.0		51.5	19.7-63.1				
Surrogate: SURR: Phenol-d5	16.7		"	50.0		33.3	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	18.5		"	25.0		74.0	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	16.2		"	25.0		64.7	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	49.1		"	50.0		98.3	39.3-151				
Surrogate: SURR: Terphenyl-d14	24.4		"	25.0		97.7	30.7-106				



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
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Batch BH11462 - EPA 3510C

Blank (BH11462-BLK1) Blank

Prepared & Analyzed: 08/26/2021

1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	1.25	"								
2,4,5-Trichlorophenol	ND	1.25	"								
2,4,6-Trichlorophenol	ND	1.25	"								
2,4-Dichlorophenol	ND	1.25	"								
2,4-Dimethylphenol	ND	1.25	"								
2,4-Dinitrophenol	ND	1.25	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	1.25	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	1.25	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	1.25	"								
3- & 4-Methylphenols	ND	1.25	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	1.25	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	1.25	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	1.25	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	20.0	"								
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	"								
Benzoic acid	ND	50.0	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	1.25	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	0.920	0.500	"								



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
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Batch BH11462 - EPA 3510C

Blank (BH11462-BLK1)	Blank	Prepared & Analyzed: 08/26/2021									
Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	1.25	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	14.7		"	50.0		29.5	19.7-63.1				
Surrogate: SURR: Phenol-d5	8.67		"	50.0		17.3	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	17.6		"	25.0		70.6	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	16.8		"	25.0		67.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	50.3		"	50.0		101	39.3-151				
Surrogate: SURR: Terphenyl-d14	21.4		"	25.0		85.5	30.7-106				



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 BH11462 - EPA 3510C											
LCS (BH11462-BS1)	LCS	Prepared & Analyzed: 08/26/2021									
1,1-Biphenyl	20.9	5.00	ug/L	25.0		83.5	21-102				
1,2,4,5-Tetrachlorobenzene	23.5	5.00	"	50.0		47.0	28-105				
1,2,4-Trichlorobenzene	19.0	5.00	"	25.0		76.2	35-91				
1,2-Dichlorobenzene	17.5	5.00	"	25.0		70.0	42-85				
1,2-Diphenylhydrazine (as Azobenzene)	19.2	5.00	"	25.0		76.6	16-137				
1,3-Dichlorobenzene	17.0	5.00	"	25.0		67.9	45-80				
1,4-Dichlorobenzene	17.7	5.00	"	25.0		70.9	42-82				
2,3,4,6-Tetrachlorophenol	24.8	1.25	"	25.0		99.2	30-130				
2,4,5-Trichlorophenol	22.8	1.25	"	25.0		91.2	36-112				
2,4,6-Trichlorophenol	22.9	1.25	"	25.0		91.6	41-107				
2,4-Dichlorophenol	21.9	1.25	"	25.0		87.7	43-92				
2,4-Dimethylphenol	18.6	1.25	"	25.0		74.4	25-92				
2,4-Dinitrophenol	41.6	1.25	"	25.0		166	10-149	High Bias			
2,4-Dinitrotoluene	28.8	5.00	"	25.0		115	41-114	High Bias			
2,6-Dinitrotoluene	27.3	5.00	"	25.0		109	49-106	High Bias			
2-Chloronaphthalene	20.0	5.00	"	25.0		79.9	40-96				
2-Chlorophenol	19.1	1.25	"	25.0		76.4	35-84				
2-Methylnaphthalene	20.1	5.00	"	25.0		80.3	33-101				
2-Methylphenol	16.1	1.25	"	25.0		64.2	10-90				
2-Nitroaniline	24.7	5.00	"	25.0		98.9	31-122				
2-Nitrophenol	27.8	1.25	"	25.0		111	37-97	High Bias			
3- & 4-Methylphenols	13.1	1.25	"	25.0		52.5	10-101				
3,3-Dichlorobenzidine	16.6	5.00	"	50.0		33.2	25-155				
3-Nitroaniline	22.6	5.00	"	25.0		90.5	29-128				
4,6-Dinitro-2-methylphenol	43.4	1.25	"	25.0		174	10-135	High Bias			
4-Bromophenyl phenyl ether	22.2	5.00	"	25.0		88.7	38-116				
4-Chloro-3-methylphenol	21.1	1.25	"	25.0		84.5	28-101				
4-Chloroaniline	18.5	5.00	"	25.0		73.9	10-154				
4-Chlorophenyl phenyl ether	20.9	5.00	"	25.0		83.7	34-112				
4-Nitroaniline	22.7	5.00	"	25.0		90.7	15-143				
4-Nitrophenol	8.91	1.25	"	25.0		35.6	10-112				
Acenaphthene	19.9	0.0500	"	25.0		79.5	24-114				
Acenaphthylene	19.6	0.0500	"	25.0		78.6	26-112				
Acetophenone	20.2	5.00	"	25.0		80.8	47-92				
Aniline	12.6	5.00	"	25.0		50.2	10-107				
Anthracene	21.0	0.0500	"	25.0		84.2	35-114				
Atrazine	23.9	0.500	"	25.0		95.6	43-101				
Benzaldehyde	19.4	5.00	"	25.0		77.7	17-117				
Benzo(a)anthracene	20.6	0.0500	"	25.0		82.5	38-127				
Benzo(a)pyrene	22.4	0.0500	"	25.0		89.7	30-146				
Benzo(b)fluoranthene	21.1	0.0500	"	25.0		84.3	36-145				
Benzo(g,h,i)perylene	21.7	0.0500	"	25.0		86.7	10-163				
Benzo(k)fluoranthene	21.6	0.0500	"	25.0		86.2	16-149				
Benzoic acid	ND	50.0	"	25.0			30-130	Low Bias			
Benzyl alcohol	16.1	5.00	"	25.0		64.6	18-75				
Benzyl butyl phthalate	21.9	5.00	"	25.0		87.7	28-129				
Bis(2-chloroethoxy)methane	19.9	5.00	"	25.0		79.6	27-112				
Bis(2-chloroethyl)ether	21.2	1.25	"	25.0		84.8	24-114				
Bis(2-chloroisopropyl)ether	18.4	5.00	"	25.0		73.6	21-124				
Bis(2-ethylhexyl)phthalate	22.8	0.500	"	25.0		91.4	10-171				
Caprolactam	6.02	5.00	"	25.0		24.1	10-29				



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 BH11462 - EPA 3510C											
LCS (BH11462-BS1)	LCS	Prepared & Analyzed: 08/26/2021									
Carbazole	21.0	5.00	ug/L	25.0		84.0	49-116				
Chrysene	21.5	0.0500	"	25.0		86.0	33-120				
Dibenzo(a,h)anthracene	22.3	0.0500	"	25.0		89.1	10-149				
Dibenzofuran	20.3	5.00	"	25.0		81.2	42-105				
Diethyl phthalate	20.6	5.00	"	25.0		82.5	38-112				
Dimethyl phthalate	20.4	5.00	"	25.0		81.5	49-106				
Di-n-butyl phthalate	21.6	5.00	"	25.0		86.4	36-110				
Di-n-octyl phthalate	22.9	5.00	"	25.0		91.5	12-149				
Fluoranthene	21.0	0.0500	"	25.0		83.9	33-126				
Fluorene	20.3	0.0500	"	25.0		81.2	28-117				
Hexachlorobenzene	18.4	0.0200	"	25.0		73.5	27-120				
Hexachlorobutadiene	19.1	0.500	"	25.0		76.4	25-106				
Hexachlorocyclopentadiene	15.5	5.00	"	25.0		62.1	10-99				
Hexachloroethane	17.0	0.500	"	25.0		67.8	33-84				
Indeno(1,2,3-cd)pyrene	20.5	0.0500	"	25.0		82.0	10-150				
Isophorone	19.5	5.00	"	25.0		77.8	29-115				
Naphthalene	19.8	0.0500	"	25.0		79.3	30-99				
Nitrobenzene	20.7	0.250	"	25.0		82.8	32-113				
N-Nitrosodimethylamine	9.15	0.500	"	25.0		36.6	10-63				
N-nitroso-di-n-propylamine	18.5	5.00	"	25.0		74.0	36-118				
N-Nitrosodiphenylamine	24.2	5.00	"	25.0		96.9	27-145				
Pentachlorophenol	22.1	0.250	"	25.0		88.4	19-127				
Phenanthrene	20.2	0.0500	"	25.0		80.6	31-112				
Phenol	8.77	1.25	"	25.0		35.1	10-37				
Pyrene	21.3	0.0500	"	25.0		85.1	42-125				
Pyridine	12.2	5.00	"	25.5		47.6	10-46	High Bias			
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>20.9</i>		<i>"</i>	<i>50.0</i>		<i>41.8</i>	<i>19.7-63.1</i>				
<i>Surrogate: SURR: Phenol-d5</i>	<i>13.1</i>		<i>"</i>	<i>50.0</i>		<i>26.2</i>	<i>10.1-41.7</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>21.3</i>		<i>"</i>	<i>25.0</i>		<i>85.3</i>	<i>50.2-113</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>19.7</i>		<i>"</i>	<i>25.0</i>		<i>79.0</i>	<i>39.9-105</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>56.2</i>		<i>"</i>	<i>50.0</i>		<i>112</i>	<i>39.3-151</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>22.6</i>		<i>"</i>	<i>25.0</i>		<i>90.5</i>	<i>30.7-106</i>				



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 BH11462 - EPA 3510C											
LCS Dup (BH11462-bsd1)	LCS Dup	Prepared & Analyzed: 08/26/2021									
1,1-Biphenyl	19.9	5.00	ug/L	25.0		79.8	21-102		4.61	20	
1,2,4,5-Tetrachlorobenzene	22.5	5.00	"	50.0		44.9	28-105		4.57	20	
1,2,4-Trichlorobenzene	18.1	5.00	"	25.0		72.4	35-91		5.06	20	
1,2-Dichlorobenzene	16.4	5.00	"	25.0		65.4	42-85		6.68	20	
1,2-Diphenylhydrazine (as Azobenzene)	19.3	5.00	"	25.0		77.2	16-137		0.728	20	
1,3-Dichlorobenzene	15.9	5.00	"	25.0		63.5	45-80		6.76	20	
1,4-Dichlorobenzene	16.5	5.00	"	25.0		65.9	42-82		7.37	20	
2,3,4,6-Tetrachlorophenol	23.6	1.25	"	25.0		94.2	30-130		5.13	20	
2,4,5-Trichlorophenol	22.5	1.25	"	25.0		90.0	36-112		1.32	20	
2,4,6-Trichlorophenol	22.2	1.25	"	25.0		88.8	41-107		3.11	20	
2,4-Dichlorophenol	19.7	1.25	"	25.0		78.6	43-92		10.9	20	
2,4-Dimethylphenol	17.7	1.25	"	25.0		71.0	25-92		4.68	20	
2,4-Dinitrophenol	40.8	1.25	"	25.0		163	10-149	High Bias	1.94	20	
2,4-Dinitrotoluene	27.8	5.00	"	25.0		111	41-114		3.32	20	
2,6-Dinitrotoluene	26.8	5.00	"	25.0		107	49-106	High Bias	2.07	20	
2-Chloronaphthalene	19.3	5.00	"	25.0		77.2	40-96		3.46	20	
2-Chlorophenol	17.7	1.25	"	25.0		70.6	35-84		7.78	20	
2-Methylnaphthalene	18.8	5.00	"	25.0		75.4	33-101		6.32	20	
2-Methylphenol	14.4	1.25	"	25.0		57.8	10-90		10.6	20	
2-Nitroaniline	24.3	5.00	"	25.0		97.3	31-122		1.63	20	
2-Nitrophenol	26.6	1.25	"	25.0		106	37-97	High Bias	4.30	20	
3- & 4-Methylphenols	11.7	1.25	"	25.0		47.0	10-101		11.2	20	
3,3-Dichlorobenzidine	17.0	5.00	"	50.0		34.0	25-155		2.50	20	
3-Nitroaniline	22.9	5.00	"	25.0		91.5	29-128		1.05	20	
4,6-Dinitro-2-methylphenol	42.3	1.25	"	25.0		169	10-135	High Bias	2.68	20	
4-Bromophenyl phenyl ether	21.8	5.00	"	25.0		87.1	38-116		1.77	20	
4-Chloro-3-methylphenol	19.3	1.25	"	25.0		77.3	28-101		8.90	20	
4-Chloroaniline	18.8	5.00	"	25.0		75.2	10-154		1.66	20	
4-Chlorophenyl phenyl ether	20.4	5.00	"	25.0		81.6	34-112		2.56	20	
4-Nitroaniline	23.3	5.00	"	25.0		93.0	15-143		2.53	20	
4-Nitrophenol	9.09	1.25	"	25.0		36.4	10-112		2.00	20	
Acenaphthene	19.6	0.0500	"	25.0		78.3	24-114		1.52	20	
Acenaphthylene	19.5	0.0500	"	25.0		78.2	26-112		0.510	20	
Acetophenone	18.8	5.00	"	25.0		75.3	47-92		7.07	20	
Aniline	17.8	5.00	"	25.0		71.3	10-107		34.6	20	Non-dir.
Anthracene	21.1	0.0500	"	25.0		84.6	35-114		0.474	20	
Atrazine	24.0	0.500	"	25.0		95.9	43-101		0.251	20	
Benzaldehyde	18.5	5.00	"	25.0		74.0	17-117		4.91	20	
Benzo(a)anthracene	20.6	0.0500	"	25.0		82.2	38-127		0.389	20	
Benzo(a)pyrene	24.2	0.0500	"	25.0		96.8	30-146		7.55	20	
Benzo(b)fluoranthene	22.5	0.0500	"	25.0		89.8	36-145		6.39	20	
Benzo(g,h,i)perylene	22.6	0.0500	"	25.0		90.3	10-163		4.02	20	
Benzo(k)fluoranthene	22.8	0.0500	"	25.0		91.4	16-149		5.77	20	
Benzoic acid	ND	50.0	"	25.0			30-130	Low Bias		20	
Benzyl alcohol	15.3	5.00	"	25.0		61.2	18-75		5.28	20	
Benzyl butyl phthalate	21.5	5.00	"	25.0		86.0	28-129		1.89	20	
Bis(2-chloroethoxy)methane	18.8	5.00	"	25.0		75.2	27-112		5.73	20	
Bis(2-chloroethyl)ether	16.9	1.25	"	25.0		67.4	24-114		22.8	20	Non-dir.
Bis(2-chloroisopropyl)ether	17.1	5.00	"	25.0		68.6	21-124		7.04	20	
Bis(2-ethylhexyl)phthalate	23.1	0.500	"	25.0		92.2	10-171		0.915	20	
Caprolactam	5.97	5.00	"	25.0		23.9	10-29		0.834	20	



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 BH11462 - EPA 3510C											
LCS Dup (BH11462-bsd1)	LCS Dup	Prepared & Analyzed: 08/26/2021									
Carbazole	21.3	5.00	ug/L	25.0		85.4	49-116		1.65	20	
Chrysene	21.8	0.0500	"	25.0		87.0	33-120		1.11	20	
Dibenzo(a,h)anthracene	23.2	0.0500	"	25.0		92.8	10-149		4.00	20	
Dibenzofuran	19.7	5.00	"	25.0		78.8	42-105		3.00	20	
Diethyl phthalate	20.0	5.00	"	25.0		80.1	38-112		2.90	20	
Dimethyl phthalate	19.9	5.00	"	25.0		79.5	49-106		2.53	20	
Di-n-butyl phthalate	21.4	5.00	"	25.0		85.8	36-110		0.743	20	
Di-n-octyl phthalate	23.5	5.00	"	25.0		94.0	12-149		2.72	20	
Fluoranthene	20.9	0.0500	"	25.0		83.6	33-126		0.334	20	
Fluorene	20.0	0.0500	"	25.0		80.0	28-117		1.59	20	
Hexachlorobenzene	18.2	0.0200	"	25.0		72.6	27-120		1.20	20	
Hexachlorobutadiene	17.4	0.500	"	25.0		69.8	25-106		9.03	20	
Hexachlorocyclopentadiene	14.9	5.00	"	25.0		59.4	10-99		4.41	20	
Hexachloroethane	15.3	0.500	"	25.0		61.3	33-84		10.0	20	
Indeno(1,2,3-cd)pyrene	21.3	0.0500	"	25.0		85.1	10-150		3.74	20	
Isophorone	18.9	5.00	"	25.0		75.5	29-115		3.03	20	
Naphthalene	18.7	0.0500	"	25.0		74.7	30-99		5.92	20	
Nitrobenzene	19.7	0.250	"	25.0		78.9	32-113		4.90	20	
N-Nitrosodimethylamine	8.78	0.500	"	25.0		35.1	10-63		4.13	20	
N-nitroso-di-n-propylamine	18.0	5.00	"	25.0		72.0	36-118		2.85	20	
N-Nitrosodiphenylamine	23.6	5.00	"	25.0		94.4	27-145		2.64	20	
Pentachlorophenol	21.6	0.250	"	25.0		86.5	19-127		2.10	20	
Phenanthrene	20.2	0.0500	"	25.0		80.8	31-112		0.198	20	
Phenol	8.37	1.25	"	25.0		33.5	10-37		4.67	20	
Pyrene	20.7	0.0500	"	25.0		82.8	42-125		2.67	20	
Pyridine	12.2	5.00	"	25.5		48.0	10-46	High Bias	0.738	20	
Surrogate: SURR: 2-Fluorophenol	19.1		"	50.0		38.2	19.7-63.1				
Surrogate: SURR: Phenol-d5	12.0		"	50.0		23.9	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	20.5		"	25.0		82.0	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	19.5		"	25.0		78.0	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	54.0		"	50.0		108	39.3-151				
Surrogate: SURR: Terphenyl-d14	21.9		"	25.0		87.5	30.7-106				



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
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Batch BH11114 - EPA 3015A

Blank (BH11114-BLK1) Blank Prepared: 08/20/2021 Analyzed: 08/23/2021

Aluminum - Dissolved	ND	0.0556	mg/L								
Barium - Dissolved	ND	0.0278	"								
Calcium - Dissolved	ND	0.0556	"								
Chromium - Dissolved	ND	0.00556	"								
Cobalt - Dissolved	ND	0.00444	"								
Copper - Dissolved	ND	0.0222	"								
Iron - Dissolved	ND	0.278	"								
Lead - Dissolved	ND	0.00556	"								
Magnesium - Dissolved	ND	0.0556	"								
Manganese - Dissolved	ND	0.00556	"								
Nickel - Dissolved	ND	0.0111	"								
Potassium - Dissolved	ND	0.0556	"								
Silver - Dissolved	ND	0.00556	"								
Sodium - Dissolved	ND	0.556	"								
Vanadium - Dissolved	ND	0.0111	"								
Zinc - Dissolved	ND	0.0278	"								

LCS (BH11114-BS1) LCS Prepared: 08/20/2021 Analyzed: 08/23/2021

Aluminum - Dissolved	1.95		ug/mL	2.00		97.6	80-120				
Barium - Dissolved	2.10		"	2.00		105	80-120				
Calcium - Dissolved	1.13		"	1.00		113	80-120				
Chromium - Dissolved	0.199		"	0.200		99.5	80-120				
Cobalt - Dissolved	0.517		"	0.500		103	80-120				
Copper - Dissolved	0.272		"	0.250		109	80-120				
Iron - Dissolved	1.09		"	1.00		109	80-120				
Lead - Dissolved	0.502		"	0.500		100	80-120				
Magnesium - Dissolved	1.01		"	1.00		101	80-120				
Manganese - Dissolved	0.520		"	0.500		104	80-120				
Nickel - Dissolved	0.520		"	0.500		104	80-120				
Potassium - Dissolved	0.914		"	1.00		91.4	80-120				
Silver - Dissolved	0.0479		"	0.0500		95.7	80-120				
Sodium - Dissolved	1.03		"	1.00		103	80-120				
Vanadium - Dissolved	0.502		"	0.500		100	80-120				
Zinc - Dissolved	0.513		"	0.500		103	80-120				



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
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Batch BH11114 - EPA 3015A

Duplicate (BH11114-DUP1)	Duplicate	*Source sample: 21H0945-03 (MW05_081821)					Prepared: 08/20/2021 Analyzed: 08/23/2021					
Aluminum - Dissolved	ND	0.0556	mg/L	ND	ND						20	
Barium - Dissolved	0.160	0.0278	"	0.148	0.148				7.93		20	
Calcium - Dissolved	191	0.0556	"	177	177				7.95		20	
Chromium - Dissolved	ND	0.00556	"	ND	ND						20	
Cobalt - Dissolved	ND	0.00444	"	ND	ND						20	
Copper - Dissolved	ND	0.0222	"	ND	ND						20	
Iron - Dissolved	0.421	0.278	"	0.498	0.498				16.7		20	
Lead - Dissolved	ND	0.00556	"	ND	ND						20	
Magnesium - Dissolved	13.1	0.0556	"	12.2	12.2				7.41		20	
Manganese - Dissolved	0.0986	0.00556	"	0.0919	0.0919				7.09		20	
Nickel - Dissolved	ND	0.0111	"	ND	ND						20	
Potassium - Dissolved	12.4	0.0556	"	11.5	11.5				7.45		20	
Silver - Dissolved	ND	0.00556	"	ND	ND						20	
Sodium - Dissolved	54.9	0.556	"	50.8	50.8				7.73		20	
Vanadium - Dissolved	ND	0.0111	"	ND	ND						20	
Zinc - Dissolved	0.0809	0.0278	"	0.0737	0.0737				9.32		20	

Matrix Spike (BH11114-MS1)	Matrix Spike	*Source sample: 21H0945-03 (MW05_081821)					Prepared: 08/20/2021 Analyzed: 08/23/2021					
Barium - Dissolved	2.44	0.0278	mg/L	2.22	0.148	103	75-125					
Chromium - Dissolved	0.219	0.00556	"	0.222	ND	98.6	75-125					
Cobalt - Dissolved	0.564	0.00444	"	0.556	ND	101	75-125					
Copper - Dissolved	0.302	0.0222	"	0.278	ND	109	75-125					
Iron - Dissolved	1.55	0.278	"	1.11	0.498	94.3	75-125					
Lead - Dissolved	0.529	0.00556	"	0.556	ND	95.3	75-125					
Manganese - Dissolved	0.669	0.00556	"	0.556	0.0919	104	75-125					
Nickel - Dissolved	0.565	0.0111	"	0.556	ND	102	75-125					
Silver - Dissolved	0.0552	0.00556	"	0.0556	ND	99.4	75-125					
Vanadium - Dissolved	0.565	0.0111	"	0.556	ND	102	75-125					
Zinc - Dissolved	0.635	0.0278	"	0.556	0.0737	101	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
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Batch BH11114 - EPA 3015A

Post Spike (BH11114-PS1)	Post Spike	*Source sample: 21H0945-03 (MW05_081821)					Prepared: 08/20/2021 Analyzed: 08/23/2021				
Aluminum - Dissolved	2.03		ug/mL	2.00	0.0236	100	75-125				
Barium - Dissolved	2.24		"	2.00	0.148	105	75-125				
Calcium - Dissolved	175		"	1.00	177	NR	75-125	Low Bias			
Chromium - Dissolved	0.201		"	0.200	0.00180	99.4	75-125				
Cobalt - Dissolved	0.514		"	0.500	0.000443	103	75-125				
Copper - Dissolved	0.275		"	0.250	0.00954	106	75-125				
Iron - Dissolved	1.49		"	1.00	0.498	99.5	75-125				
Lead - Dissolved	0.476		"	0.500	-0.000450	95.2	75-125				
Magnesium - Dissolved	13.0		"	1.00	12.2	78.4	75-125				
Manganese - Dissolved	0.614		"	0.500	0.0919	105	75-125				
Nickel - Dissolved	0.513		"	0.500	-0.00142	103	75-125				
Potassium - Dissolved	12.3		"	1.00	11.5	81.7	75-125				
Silver - Dissolved	0.0484		"	0.0500	-0.000358	96.9	75-125				
Sodium - Dissolved	51.3		"	1.00	50.8	48.4	75-125	Low Bias			
Vanadium - Dissolved	0.516		"	0.500	0.000682	103	75-125				
Zinc - Dissolved	0.569		"	0.500	0.0737	99.0	75-125				

Batch BH11369 - EPA 3015A

Blank (BH11369-BLK1)	Blank	Prepared & Analyzed: 08/25/2021									
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	0.174	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								



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
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Batch BH11369 - EPA 3015A

LCS (BH11369-BS1)	LCS	Prepared & Analyzed: 08/25/2021									
Aluminum	2.18		ug/mL	2.00		109	80-120				
Barium	2.21		"	2.00		111	80-120				
Calcium	1.20		"	1.00		120	80-120				
Chromium	0.212		"	0.200		106	80-120				
Cobalt	0.546		"	0.500		109	80-120				
Copper	0.279		"	0.250		111	80-120				
Iron	1.11		"	1.00		111	80-120				
Lead	0.545		"	0.500		109	80-120				
Magnesium	1.08		"	1.00		108	80-120				
Manganese	0.551		"	0.500		110	80-120				
Nickel	0.543		"	0.500		109	80-120				
Potassium	1.16		"	1.00		116	80-120				
Silver	0.0492		"	0.0500		98.5	80-120				
Sodium	1.36		"	1.00		136	80-120	High Bias			
Vanadium	0.533		"	0.500		107	80-120				
Zinc	0.520		"	0.500		104	80-120				

Duplicate (BH11369-DUP1)	Duplicate	*Source sample: 21H0945-01 (MW03_081821) Prepared & Analyzed: 08/25/2021									
Aluminum	ND	0.0556	mg/L		ND						20
Barium	0.128	0.0278	"		0.129				1.14		20
Calcium	188	0.0556	"		192				1.97		20
Chromium	ND	0.00556	"		ND						20
Cobalt	ND	0.00444	"		ND						20
Copper	ND	0.0222	"		ND						20
Iron	2.70	0.278	"		2.78				2.78		20
Lead	ND	0.00556	"		ND						20
Magnesium	9.52	0.0556	"		9.69				1.80		20
Manganese	0.260	0.00556	"		0.262				0.969		20
Nickel	ND	0.0111	"		ND						20
Potassium	14.4	0.0556	"		14.7				1.94		20
Silver	ND	0.00556	"		ND						20
Sodium	113	0.556	"		115				1.86		20
Vanadium	ND	0.0111	"		ND						20
Zinc	0.141	0.0278	"		0.138				2.52		20



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
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Batch BH11369 - EPA 3015A

Matrix Spike (BH11369-MS1)	Matrix Spike	*Source sample: 21H0945-01 (MW03_081821)					Prepared & Analyzed: 08/25/2021					
Aluminum	2.45	0.0556	mg/L	2.22	ND	110	75-125					
Barium	2.46	0.0278	"	2.22	0.129	105	75-125					
Calcium	185	0.0556	"	1.11	192	NR	75-125	Low Bias				
Chromium	0.227	0.00556	"	0.222	ND	102	75-125					
Cobalt	0.574	0.00444	"	0.556	ND	103	75-125					
Copper	0.310	0.0222	"	0.278	ND	112	75-125					
Iron	3.84	0.278	"	1.11	2.78	95.3	75-125					
Lead	0.566	0.00556	"	0.556	ND	102	75-125					
Magnesium	10.5	0.0556	"	1.11	9.69	72.8	75-125	Low Bias				
Manganese	0.839	0.00556	"	0.556	0.262	104	75-125					
Nickel	0.589	0.0111	"	0.556	ND	106	75-125					
Potassium	15.3	0.0556	"	1.11	14.7	50.5	75-125	Low Bias				
Silver	0.0536	0.00556	"	0.0556	ND	96.4	75-125					
Sodium	112	0.556	"	1.11	115	NR	75-125	Low Bias				
Vanadium	0.585	0.0111	"	0.556	ND	105	75-125					
Zinc	0.705	0.0278	"	0.556	0.138	102	75-125					

Post Spike (BH11369-PS1)	Post Spike	*Source sample: 21H0945-01 (MW03_081821)					Prepared & Analyzed: 08/25/2021					
Aluminum	2.28		ug/mL	2.00	0.00837	113	75-125					
Barium	2.26		"	2.00	0.129	106	75-125					
Calcium	171		"	1.00	192	NR	75-125	Low Bias				
Chromium	0.208		"	0.200	0.00160	103	75-125					
Cobalt	0.528		"	0.500	0.000394	105	75-125					
Copper	0.285		"	0.250	0.00566	112	75-125					
Iron	3.53		"	1.00	2.78	75.3	75-125					
Lead	0.516		"	0.500	-0.00218	103	75-125					
Magnesium	9.68		"	1.00	9.69	NR	75-125	Low Bias				
Manganese	0.769		"	0.500	0.262	101	75-125					
Nickel	0.539		"	0.500	-0.00458	108	75-125					
Potassium	14.1		"	1.00	14.7	NR	75-125	Low Bias				
Silver	0.0494		"	0.0500	0.00166	95.4	75-125					
Sodium	103		"	1.00	115	NR	75-125	Low Bias				
Vanadium	0.536		"	0.500	0.00161	107	75-125					
Zinc	0.641		"	0.500	0.138	101	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
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Batch BH11370 - EPA 3015A

Blank (BH11370-BLK1)	Blank	Prepared & Analyzed: 08/25/2021									
Aluminum - Dissolved	ND	0.0556	mg/L								
Barium - Dissolved	ND	0.0278	"								
Calcium - Dissolved	0.215	0.0556	"								
Chromium - Dissolved	ND	0.00556	"								
Cobalt - Dissolved	ND	0.00444	"								
Copper - Dissolved	ND	0.0222	"								
Iron - Dissolved	ND	0.278	"								
Lead - Dissolved	ND	0.00556	"								
Magnesium - Dissolved	ND	0.0556	"								
Manganese - Dissolved	ND	0.00556	"								
Nickel - Dissolved	ND	0.0111	"								
Potassium - Dissolved	ND	0.0556	"								
Silver - Dissolved	ND	0.00556	"								
Sodium - Dissolved	ND	0.556	"								
Vanadium - Dissolved	ND	0.0111	"								
Zinc - Dissolved	ND	0.0278	"								

LCS (BH11370-BS1)	LCS	Prepared & Analyzed: 08/25/2021									
Aluminum - Dissolved	2.15		ug/mL	2.00	107	80-120					
Barium - Dissolved	2.20		"	2.00	110	80-120					
Calcium - Dissolved	1.20		"	1.00	120	80-120					
Chromium - Dissolved	0.211		"	0.200	106	80-120					
Cobalt - Dissolved	0.548		"	0.500	110	80-120					
Copper - Dissolved	0.281		"	0.250	112	80-120					
Iron - Dissolved	1.09		"	1.00	109	80-120					
Lead - Dissolved	0.545		"	0.500	109	80-120					
Magnesium - Dissolved	1.03		"	1.00	103	80-120					
Manganese - Dissolved	0.551		"	0.500	110	80-120					
Nickel - Dissolved	0.546		"	0.500	109	80-120					
Potassium - Dissolved	1.04		"	1.00	104	80-120					
Silver - Dissolved	0.0490		"	0.0500	98.1	80-120					
Sodium - Dissolved	1.11		"	1.00	111	80-120					
Vanadium - Dissolved	0.532		"	0.500	106	80-120					
Zinc - Dissolved	0.523		"	0.500	105	80-120					



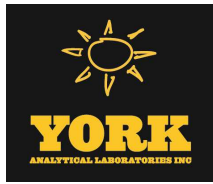
Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH11370 - EPA 3015A

Duplicate (BH11370-DUP1)	Duplicate	*Source sample: 21H0945-02 (MW04_081821)				Prepared & Analyzed: 08/25/2021					
Aluminum - Dissolved	ND	0.0556	mg/L	ND							20
Barium - Dissolved	0.752	0.0278	"	0.759					0.979		20
Calcium - Dissolved	313	0.0556	"	315					0.634		20
Chromium - Dissolved	ND	0.00556	"	ND							20
Cobalt - Dissolved	ND	0.00444	"	ND							20
Copper - Dissolved	ND	0.0222	"	ND							20
Iron - Dissolved	57.1	0.278	"	56.9					0.312		20
Lead - Dissolved	ND	0.00556	"	ND							20
Magnesium - Dissolved	66.3	0.0556	"	66.2					0.152		20
Manganese - Dissolved	1.56	0.00556	"	1.57					0.696		20
Nickel - Dissolved	ND	0.0111	"	ND							20
Potassium - Dissolved	61.5	0.0556	"	62.1					0.892		20
Silver - Dissolved	ND	0.00556	"	ND							20
Sodium - Dissolved	1300	0.556	"	1300					0.0541		20
Vanadium - Dissolved	ND	0.0111	"	ND							20
Zinc - Dissolved	0.111	0.0278	"	0.119					6.53		20

Matrix Spike (BH11370-MS1)	Matrix Spike	*Source sample: 21H0945-02 (MW04_081821)				Prepared & Analyzed: 08/25/2021					
Barium - Dissolved	3.25	0.0278	mg/L	2.22	0.759	112	75-125				
Chromium - Dissolved	0.247	0.00556	"	0.222	ND	111	75-125				
Cobalt - Dissolved	0.612	0.00444	"	0.556	ND	110	75-125				
Copper - Dissolved	0.346	0.0222	"	0.278	ND	125	75-125				
Iron - Dissolved	57.2	0.278	"	1.11	56.9	24.9	75-125	Low Bias			
Lead - Dissolved	0.604	0.00556	"	0.556	ND	109	75-125				
Manganese - Dissolved	2.14	0.00556	"	0.556	1.57	102	75-125				
Nickel - Dissolved	0.655	0.0111	"	0.556	ND	118	75-125				
Silver - Dissolved	0.0615	0.00556	"	0.0556	ND	111	75-125				
Vanadium - Dissolved	0.643	0.0111	"	0.556	ND	116	75-125				
Zinc - Dissolved	0.731	0.0278	"	0.556	0.119	110	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
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Batch BH11370 - EPA 3015A

Post Spike (BH11370-PS1)	Post Spike	*Source sample: 21H0945-02 (MW04_081821)					Prepared & Analyzed: 08/25/2021					
Aluminum - Dissolved	2.20		ug/mL	2.00	0.0501	108	75-125					
Barium - Dissolved	2.80		"	2.00	0.759	102	75-125					
Calcium - Dissolved	284		"	1.00	315	NR	75-125	Low Bias				
Chromium - Dissolved	0.207		"	0.200	0.00201	103	75-125					
Cobalt - Dissolved	0.528		"	0.500	0.00143	105	75-125					
Copper - Dissolved	0.292		"	0.250	0.00627	114	75-125					
Iron - Dissolved	51.9		"	1.00	56.9	NR	75-125	Low Bias				
Lead - Dissolved	0.506		"	0.500	-0.00688	101	75-125					
Magnesium - Dissolved	59.9		"	1.00	66.2	NR	75-125	Low Bias				
Manganese - Dissolved	1.93		"	0.500	1.57	71.5	75-125	Low Bias				
Nickel - Dissolved	0.549		"	0.500	-0.00760	110	75-125					
Potassium - Dissolved	58.9		"	1.00	62.1	NR	75-125	Low Bias				
Silver - Dissolved	0.0537		"	0.0500	-0.000313	107	75-125					
Sodium - Dissolved	1190		"	1.00	1300	NR	75-125	Low Bias				
Vanadium - Dissolved	0.541		"	0.500	0.00111	108	75-125					
Zinc - Dissolved	0.628		"	0.500	0.119	102	75-125					



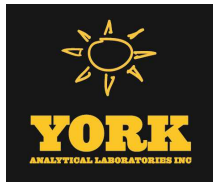
Metals by ICP/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BH11222 - EPA 3015A												
Blank (BH11222-BLK1)	Blank							Prepared & Analyzed: 08/23/2021				
Antimony - Dissolved	ND	0.00111	mg/L									
Arsenic - Dissolved	ND	0.00111	"									
Beryllium - Dissolved	ND	0.000333	"									
Cadmium - Dissolved	ND	0.000556	"									
Selenium - Dissolved	0.00586	0.00111	"									
Thallium - Dissolved	ND	0.00111	"									
LCS (BH11222-BS1)	LCS							Prepared & Analyzed: 08/23/2021				
Antimony - Dissolved	50.7		ug/L	50.0		101	80-120					
Arsenic - Dissolved	49.8		"	50.0		99.6	80-120					
Beryllium - Dissolved	53.7		"	50.0		107	80-120					
Cadmium - Dissolved	47.6		"	50.0		95.1	80-120					
Selenium - Dissolved	52.0		"	50.0		104	80-120					
Thallium - Dissolved	53.7		"	50.0		107	80-120					
Duplicate (BH11222-DUP1)	Duplicate							*Source sample: 21H1080-07 (Duplicate) Prepared & Analyzed: 08/23/2021				
Antimony - Dissolved	ND	0.00111	mg/L		ND						20	
Arsenic - Dissolved	ND	0.00111	"		ND						20	
Beryllium - Dissolved	ND	0.000333	"		ND						20	
Cadmium - Dissolved	ND	0.000556	"		ND						20	
Selenium - Dissolved	0.00648	0.00111	"		0.00783				18.8		20	
Thallium - Dissolved	ND	0.00111	"		ND						20	
Matrix Spike (BH11222-MS1)	Matrix Spike							*Source sample: 21H1080-07 (Matrix Spike) Prepared & Analyzed: 08/23/2021				
Antimony - Dissolved	43.3		ug/L	50.0	0.060	86.5	75-125					
Arsenic - Dissolved	50.6		"	50.0	0.197	101	75-125					
Beryllium - Dissolved	36.4		"	50.0	-0.004	72.7	75-125	Low Bias				
Cadmium - Dissolved	40.4		"	50.0	0.006	80.9	75-125					
Selenium - Dissolved	58.9		"	50.0	7.05	104	75-125					
Thallium - Dissolved	58.2		"	50.0	-0.002	116	75-125					



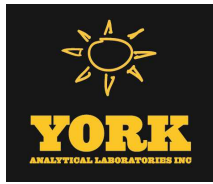
Metals by ICP/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BH11371 - EPA 3015A												
Blank (BH11371-BLK1)	Blank							Prepared & Analyzed: 08/25/2021				
Antimony	ND	0.00111	mg/L									
Arsenic	ND	0.00111	"									
Beryllium	ND	0.000333	"									
Cadmium	ND	0.000556	"									
Selenium	ND	0.00111	"									
Thallium	ND	0.00111	"									
LCS (BH11371-BS1)	LCS							Prepared & Analyzed: 08/25/2021				
Antimony	46.5		ug/L	50.0		93.0	80-120					
Arsenic	48.7		"	50.0		97.4	80-120					
Beryllium	53.0		"	50.0		106	80-120					
Cadmium	48.8		"	50.0		97.5	80-120					
Selenium	43.9		"	50.0		87.8	80-120					
Thallium	50.6		"	50.0		101	80-120					
Duplicate (BH11371-DUP1)	Duplicate							*Source sample: 21H1080-07 (Duplicate) Prepared & Analyzed: 08/25/2021				
Antimony	ND	0.00111	mg/L		ND					20		
Arsenic	0.00741	0.00111	"		0.00467				45.4	20	Non-dir.	
Beryllium	0.000565	0.000333	"		0.000586				3.78	20		
Cadmium	0.00139	0.000556	"		0.00126				9.91	20		
Selenium	0.00347	0.00111	"		0.00406				15.8	20		
Thallium	ND	0.00111	"		ND					20		
Matrix Spike (BH11371-MS1)	Matrix Spike							*Source sample: 21H1080-07 (Matrix Spike) Prepared & Analyzed: 08/25/2021				
Antimony	46.2		ug/L	50.0	0.484	91.4	75-125					
Arsenic	53.9		"	50.0	4.20	99.4	75-125					
Beryllium	18.5		"	50.0	0.528	35.9	75-125	Low Bias				
Cadmium	48.2		"	50.0	1.14	94.2	75-125					
Selenium	49.6		"	50.0	3.66	91.8	75-125					
Thallium	37.5		"	50.0	0.115	74.7	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 BH11179 - EPA SW846-7470A											
Blank (BH11179-BLK1)	Blank										Prepared & Analyzed: 08/20/2021
Mercury - Dissolved	ND	0.0002000	mg/L								
LCS (BH11179-BS1)	LCS										Prepared & Analyzed: 08/20/2021
Mercury - Dissolved	0.002171	0.0002000	mg/L	0.00200		109	80-120				
LCS (BH11179-BS2)	LCS										Prepared & Analyzed: 08/20/2021
Mercury - Dissolved	0.002098	0.0002000	mg/L	0.00200		105	80-120				
Batch BH11364 - EPA SW846-7470A											
Blank (BH11364-BLK1)	Blank										Prepared & Analyzed: 08/24/2021
Mercury	ND	0.0002	mg/L								
LCS (BH11364-BS1)	LCS										Prepared & Analyzed: 08/24/2021
Mercury	0.002041	0.0002	mg/L	0.00200		102	80-120				
LCS (BH11364-BS2)	LCS										Prepared & Analyzed: 08/24/2021
Mercury	0.002211	0.0002	mg/L	0.00200		111	80-120				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21H0945-01	MW03_081821	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21H0945-02	MW04_081821	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21H0945-03	MW05_081821	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21H0945-04	TRIP BLANK	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21H0945-05	TRIP BLANK-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-HI	Surrogate recovery is above acceptance limits. No target compound is detected in sample.
S-08	The recovery of this surrogate was outside of QC limits.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SRD1	The serial dilution for this element was outside control limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-MBLK	Analyte was detected in the batch method blank above the Reporting Limit.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-CRL	The RL check for this element recovered outside of control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
HT-01R	This flag indicates that the sample was initially analyzed within recommended hold time and that a re-run was performed outside of the hold time.
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).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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



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

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



Field Chain-of-Custody Record

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

120 Research Drive Stratford, CT 06615

132-02 89th Ave Queens, NY 11418

clientservices@yorklab.com

www.yorklab.com

800-306-YORK 800-306-9875

Page 1 of 1

YORK Project No.

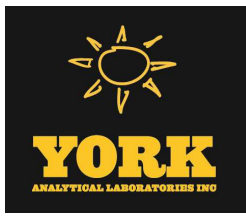
2170945

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company	LANGAN ENGINEERING	Company	Same	Company	Same	YOUR Project Number	170882002	RUSH - Next Day	
Address	860 WEST 81 ST ST, 8 ^{FL} NEW YORK, NY 10001	Address		Address		YOUR Project Name	560 DEGRAW AND 224TH RD AVE	RUSH - Two Day	
Phone	551-404-5597	Phone		Phone		YOUR Project Name		RUSH - Three Day	
Contact	ALBERT TASHJI	Contact	THOMAS SCHIEFER	Contact	THOMAS SCHIEFER	YOUR Project Name		RUSH - Four Day	
E-mail	ALBERT.TASHJI@LANGAN.COM	E-mail	TASHJI@LANGAN.COM	E-mail	TASHJI@LANGAN.COM	YOUR Project Name		Standard (5-7 Day)	<input checked="" type="checkbox"/>

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
MW03-081821	GW	8/18/21 11:46		
MW04-081821	GW	14:18	TOL/PARTS VOC'S, TOXIC & TAL METALS (UNFILTERED & FIELD FILTERED)	
MW05-081821	GW	16:18		
TRIP BLANK	TB		VOC'S	

Comments:		Preservation: (check all that apply)		Special Instruction			
		HCl	MeOH	HNO3	H2SO4	NaOH	Field Filtered
		ZnAc	Ascorbic Acid	Other:	Lab to Filter		
Samples collected/iced/chilled at time of lab pickup? circle Yes or No		Date/Time		Date/Time		Date/Time	
1. Samples Relinquished by / Company		Date/Time		Date/Time		Date/Time	
2. Samples Relinquished by / Company		Date/Time		Date/Time		Date/Time	
3. Samples Relinquished by / Company		Date/Time		Date/Time		Date/Time	
4. Samples Relinquished by / Company		Date/Time		Date/Time		Date/Time	



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: 08/25/2021

Client Project ID: 170362002

York Project (SDG) No.: 21H0957

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
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 08/25/2021
Client Project ID: 170362002
York Project (SDG) No.: 21H0957

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 August 18, 2021 and listed below. The project was identified as your project: **170362002**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
21H0957-01	SV03_081821	Soil Vapor	08/18/2021	08/18/2021
21H0957-02	SV04_081821	Soil Vapor	08/18/2021	08/18/2021
21H0957-03	SV05_081821	Soil Vapor	08/18/2021	08/18/2021
21H0957-04	AA01_081821	Outdoor Ambient Ai	08/18/2021	08/18/2021

not part of
proposed
BCP site

General Notes for York Project (SDG) No.: 21H0957

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

Approved By



Cassie L. Mosher
Laboratory Manager

Date: 08/25/2021





Sample Information

Client Sample ID: SV03_081821

York Sample ID: 21H0957-01

<u>York Project (SDG) No.</u> 21H0957	<u>Client Project ID</u> 170362002	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> August 18, 2021 1:55 pm	<u>Date Received</u> 08/18/2021
--	---------------------------------------	-----------------------------	--	------------------------------------

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	6.1	8.89	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 10:00	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	4.9	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	6.1	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	6.8	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	4.9	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	3.6	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.88	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	6.6	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
95-63-6	1,2,4-Trimethylbenzene	10		ug/m ³	4.4	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	6.8	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	5.3	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	3.6	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	4.1	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	6.2	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	4.4	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	5.9	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	5.3	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	4.1	8.89	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 10:00	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	5.3	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	6.4	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
78-93-3	2-Butanone	29		ug/m ³	2.6	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ



Sample Information

Client Sample ID: SV03_081821

York Sample ID: 21H0957-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Soil Vapor

August 18, 2021 1:55 pm

08/18/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	15		ug/m ³	7.3	8.89	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 10:00	LLJ
107-05-1	3-Chloropropene	ND		ug/m ³	14	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	3.6	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
67-64-1	Acetone	630		ug/m ³	4.2	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	1.9	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
71-43-2	Benzene	ND		ug/m ³	2.8	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	4.6	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	6.0	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
75-25-2	Bromoform	ND		ug/m ³	9.2	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
74-83-9	Bromomethane	ND		ug/m ³	3.5	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
75-15-0	Carbon disulfide	4.4		ug/m ³	2.8	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
56-23-5	Carbon tetrachloride	2.8		ug/m ³	1.4	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	4.1	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
75-00-3	Chloroethane	ND		ug/m ³	2.3	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
67-66-3	Chloroform	43		ug/m ³	4.3	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
74-87-3	Chloromethane	ND		ug/m ³	1.8	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.88	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	4.0	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	3.1	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	7.6	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	4.4	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	6.4	8.89	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 10:00	LLJ



Sample Information

Client Sample ID: SV03_081821

York Sample ID: 21H0957-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Soil Vapor

August 18, 2021 1:55 pm

08/18/2021

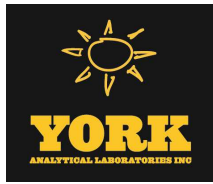
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/m ³	3.9	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	9.5	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
67-63-0	Isopropanol	ND		ug/m ³	4.4	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	3.6	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	3.2	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	6.2	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
142-82-5	n-Heptane	ND		ug/m ³	3.6	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
110-54-3	n-Hexane	4.1		ug/m ³	3.1	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
95-47-6	o-Xylene	7.3		ug/m ³	3.9	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
179601-23-1	p- & m- Xylenes	19		ug/m ³	7.7	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
622-96-8	* p-Ethyltoluene	7.9		ug/m ³	4.4	8.89	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 10:00	LLJ
115-07-1	* Propylene	6.4		ug/m ³	1.5	8.89	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 10:00	LLJ
100-42-5	Styrene	ND		ug/m ³	3.8	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
127-18-4	Tetrachloroethylene	150		ug/m ³	6.0	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	5.2	8.89	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 10:00	LLJ
108-88-3	Toluene	12		ug/m ³	3.4	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	3.5	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	4.0	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	1.2	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	12		ug/m ³	5.0	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	3.1	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	3.9	8.89	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 10:00	LLJ



Sample Information

Client Sample ID: SV03_081821

York Sample ID: 21H0957-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Soil Vapor

August 18, 2021 1:55 pm

08/18/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	1.1	8.89	EPA TO-15	08/23/2021 15:00	08/24/2021 10:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		





Sample Information

Client Sample ID: SV04_081821

York Sample ID: 21H0957-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Soil Vapor

August 18, 2021 3:10 pm

08/18/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	5.9	8.61	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 05:48	LLJ
71-55-6	1,1,1-Trichloroethane	43		ug/m ³	4.7	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	5.9	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	6.6	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	4.7	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	3.5	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.85	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	6.4	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
95-63-6	1,2,4-Trimethylbenzene	9.3		ug/m ³	4.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	6.6	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	5.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	3.5	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	4.0	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	6.0	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	4.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	5.7	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	5.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	4.0	8.61	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 05:48	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	5.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	6.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
78-93-3	2-Butanone	31		ug/m ³	2.5	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
591-78-6	* 2-Hexanone	12		ug/m ³	7.1	8.61	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 05:48	LLJ



Sample Information

Client Sample ID: SV04_081821

York Sample ID: 21H0957-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Soil Vapor

August 18, 2021 3:10 pm

08/18/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	13	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	3.5	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
67-64-1	Acetone	480		ug/m ³	4.1	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	1.9	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
71-43-2	Benzene	2.8		ug/m ³	2.8	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	4.5	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	5.8	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-25-2	Bromoform	ND		ug/m ³	8.9	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
74-83-9	Bromomethane	ND		ug/m ³	3.3	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	2.7	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	1.4	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	4.0	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-00-3	Chloroethane	ND		ug/m ³	2.3	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
67-66-3	Chloroform	7.1		ug/m ³	4.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
74-87-3	Chloromethane	ND		ug/m ³	1.8	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.85	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	3.9	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	3.0	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	7.3	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	4.3	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	6.2	8.61	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 05:48	LLJ
100-41-4	Ethyl Benzene	ND		ug/m ³	3.7	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ



Sample Information

Client Sample ID: SV04_081821

York Sample ID: 21H0957-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Soil Vapor

August 18, 2021 3:10 pm

08/18/2021

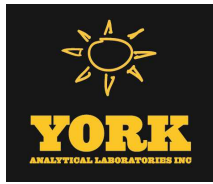
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	9.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
67-63-0	Isopropanol	5.3		ug/m ³	4.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	3.5	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	3.1	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-09-2	Methylene chloride	13		ug/m ³	6.0	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
142-82-5	n-Heptane	4.6		ug/m ³	3.5	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
110-54-3	n-Hexane	6.7		ug/m ³	3.0	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
95-47-6	o-Xylene	6.0		ug/m ³	3.7	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
179601-23-1	p- & m- Xylenes	16		ug/m ³	7.5	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
622-96-8	* p-Ethyltoluene	6.8		ug/m ³	4.2	8.61	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 05:48	LLJ
115-07-1	* Propylene	22		ug/m ³	1.5	8.61	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 05:48	LLJ
100-42-5	Styrene	ND		ug/m ³	3.7	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
127-18-4	Tetrachloroethylene	1800		ug/m ³	5.8	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	5.1	8.61	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 05:48	LLJ
108-88-3	Toluene	14		ug/m ³	3.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	3.4	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	3.9	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
79-01-6	Trichloroethylene	3.7		ug/m ³	1.2	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	4.8	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	3.0	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	3.8	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	1.1	8.61	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 05:48	LLJ



Sample Information

Client Sample ID: SV04_081821

York Sample ID: 21H0957-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Soil Vapor

August 18, 2021 3:10 pm

08/18/2021



Sample Information

Client Sample ID: SV05_081821

York Sample ID: 21H0957-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Soil Vapor

August 18, 2021 4:24 pm

08/18/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	5.3	7.695	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 06:45	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	4.2	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	5.3	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	5.9	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	4.2	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	3.1	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.76	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	5.7	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
95-63-6	1,2,4-Trimethylbenzene	10		ug/m ³	3.8	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	5.9	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	4.6	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	3.1	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	3.6	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	5.4	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	3.8	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
106-99-0	1,3-Butadiene	21		ug/m ³	5.1	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	4.6	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	3.6	7.695	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 06:45	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	4.6	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
123-91-1	1,4-Dioxane	7.8		ug/m ³	5.5	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
78-93-3	2-Butanone	63		ug/m ³	2.3	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
591-78-6	* 2-Hexanone	20		ug/m ³	6.3	7.695	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 06:45	LLJ



Sample Information

Client Sample ID: SV05_081821

York Sample ID: 21H0957-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Soil Vapor

August 18, 2021 4:24 pm

08/18/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	12	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	3.2	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
67-64-1	Acetone	910		ug/m ³	3.7	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	1.7	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
71-43-2	Benzene	17		ug/m ³	2.5	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	4.0	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	5.2	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-25-2	Bromoform	ND		ug/m ³	8.0	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
74-83-9	Bromomethane	ND		ug/m ³	3.0	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-15-0	Carbon disulfide	160		ug/m ³	2.4	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
56-23-5	Carbon tetrachloride	2.4		ug/m ³	1.2	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	3.5	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-00-3	Chloroethane	5.1		ug/m ³	2.0	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
67-66-3	Chloroform	30		ug/m ³	3.8	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
74-87-3	Chloromethane	11		ug/m ³	1.6	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.76	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	3.5	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
110-82-7	Cyclohexane	10		ug/m ³	2.6	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	6.6	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-71-8	Dichlorodifluoromethane	9.5		ug/m ³	3.8	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	5.5	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
100-41-4	Ethyl Benzene	13		ug/m ³	3.3	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ



Sample Information

Client Sample ID: SV05_081821

York Sample ID: 21H0957-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Soil Vapor

August 18, 2021 4:24 pm

08/18/2021

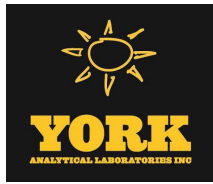
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	8.2	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
67-63-0	Isopropanol	23		ug/m ³	3.8	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
80-62-6	Methyl Methacrylate	7.9		ug/m ³	3.2	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	2.8	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	5.3	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
142-82-5	n-Heptane	8.5		ug/m ³	3.2	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
110-54-3	n-Hexane	17		ug/m ³	2.7	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
95-47-6	o-Xylene	11		ug/m ³	3.3	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
179601-23-1	p- & m- Xylenes	26		ug/m ³	6.7	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
622-96-8	* p-Ethyltoluene	9.1		ug/m ³	3.8	7.695	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 06:45	LLJ
115-07-1	* Propylene	610		ug/m ³	1.3	7.695	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 06:45	LLJ
100-42-5	Styrene	ND		ug/m ³	3.3	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	5.2	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	4.5	7.695	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 06:45	LLJ
108-88-3	Toluene	26		ug/m ³	2.9	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	3.1	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	3.5	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	1.0	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	5.6		ug/m ³	4.3	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	2.7	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	3.4	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.98	7.695	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 06:45	LLJ



Sample Information

Client Sample ID: SV05_081821

York Sample ID: 21H0957-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Soil Vapor

August 18, 2021 4:24 pm

08/18/2021



Sample Information

Client Sample ID: AA01_081821

York Sample ID: 21H0957-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Outdoor Ambient Air

August 18, 2021 1:55 pm

08/18/2021

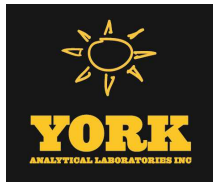
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.63	0.924	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 07:54	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.50	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.63	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.71	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.50	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.37	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.69	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
95-63-6	1,2,4-Trimethylbenzene	0.59		ug/m ³	0.45	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.71	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.56	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.37	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.43	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.65	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.45	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	0.61	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.56	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.43	0.924	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 07:54	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.56	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	0.67	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
78-93-3	2-Butanone	0.87		ug/m ³	0.27	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	0.76	0.924	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 07:54	LLJ



Sample Information

Client Sample ID: AA01_081821

York Sample ID: 21H0957-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Outdoor Ambient Air

August 18, 2021 1:55 pm

08/18/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	1.4	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.38	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
67-64-1	Acetone	8.3		ug/m ³	0.44	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.20	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
71-43-2	Benzene	0.74		ug/m ³	0.30	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.48	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	0.62	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-25-2	Bromoform	ND		ug/m ³	0.96	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.36	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.29	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
56-23-5	Carbon tetrachloride	0.47		ug/m ³	0.15	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.43	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.24	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
67-66-3	Chloroform	ND		ug/m ³	0.45	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
74-87-3	Chloromethane	1.3		ug/m ³	0.19	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.42	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
110-82-7	Cyclohexane	0.35		ug/m ³	0.32	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	0.79	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-71-8	Dichlorodifluoromethane	2.6		ug/m ³	0.46	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	0.67	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
100-41-4	Ethyl Benzene	0.40		ug/m ³	0.40	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ



Sample Information

Client Sample ID: AA01_081821

York Sample ID: 21H0957-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Outdoor Ambient Air

August 18, 2021 1:55 pm

08/18/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.99	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
67-63-0	Isopropanol	4.0		ug/m ³	0.45	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
80-62-6	Methyl Methacrylate	1.7		ug/m ³	0.38	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.33	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-09-2	Methylene chloride	9.9		ug/m ³	0.64	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
142-82-5	n-Heptane	0.49		ug/m ³	0.38	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
110-54-3	n-Hexane	1.4		ug/m ³	0.33	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
95-47-6	o-Xylene	0.56		ug/m ³	0.40	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
179601-23-1	p- & m- Xylenes	1.6		ug/m ³	0.80	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
622-96-8	* p-Ethyltoluene	0.50		ug/m ³	0.45	0.924	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 07:54	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.16	0.924	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 07:54	LLJ
100-42-5	Styrene	ND		ug/m ³	0.39	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
127-18-4	Tetrachloroethylene	4.2		ug/m ³	0.63	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.55	0.924	EPA TO-15 Certifications:	08/23/2021 15:00	08/24/2021 07:54	LLJ
108-88-3	Toluene	4.4		ug/m ³	0.35	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.37	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.42	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.12	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	0.52	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.33	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.40	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.12	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/23/2021 15:00	08/24/2021 07:54	LLJ



Sample Information

Client Sample ID: AA01_081821

York Sample ID: 21H0957-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0957

170362002

Outdoor Ambient Air

August 18, 2021 1:55 pm

08/18/2021



Analytical Batch Summary

Batch ID: BH11282

Preparation Method: EPA TO15 PREP

Prepared By: TL

YORK Sample ID	Client Sample ID	Preparation Date
21H0957-01	SV03_081821	08/23/21
21H0957-02	SV04_081821	08/23/21
21H0957-03	SV05_081821	08/23/21
21H0957-04	AA01_081821	08/23/21
BH11282-BLK1	Blank	08/23/21
BH11282-BS1	LCS	08/23/21
BH11282-DUP1	Duplicate	08/23/21



Volatile Organic Compounds in Air 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
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Batch BH11282 - EPA TO15 PREP

Blank (BH11282-BLK1) Blank Prepared: 08/23/2021 Analyzed: 08/24/2021

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH11282 - EPA TO15 PREP

Blank (BH11282-BLK1)		Blank		Prepared: 08/23/2021 Analyzed: 08/24/2021							
n-Hexane	ND	0.35	ug/m ³								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								

LCS (BH11282-BS1)		LCS		Prepared: 08/23/2021 Analyzed: 08/24/2021							
1,1,1,2-Tetrachloroethane	10.4		ppbv	10.0	104	70-130					
1,1,1-Trichloroethane	10.1		"	10.0	101	70-130					
1,1,2,2-Tetrachloroethane	11.4		"	10.0	114	70-130					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0	102	70-130					
1,1,2-Trichloroethane	11.2		"	10.0	112	70-130					
1,1-Dichloroethane	10.3		"	10.0	103	70-130					
1,1-Dichloroethylene	10.0		"	10.0	100	70-130					
1,2,4-Trichlorobenzene	8.37		"	10.0	83.7	70-130					
1,2,4-Trimethylbenzene	11.2		"	10.0	112	70-130					
1,2-Dibromoethane	11.2		"	10.0	112	70-130					
1,2-Dichlorobenzene	10.3		"	10.0	103	70-130					
1,2-Dichloroethane	10.1		"	10.0	101	70-130					
1,2-Dichloropropane	11.4		"	10.0	114	70-130					
1,2-Dichlorotetrafluoroethane	8.94		"	10.0	89.4	70-130					
1,3,5-Trimethylbenzene	11.0		"	10.0	110	70-130					
1,3-Butadiene	8.98		"	10.0	89.8	70-130					
1,3-Dichlorobenzene	10.5		"	10.0	105	70-130					
1,3-Dichloropropane	11.2		"	10.0	112	70-130					
1,4-Dichlorobenzene	10.5		"	10.0	105	70-130					
1,4-Dioxane	11.0		"	10.0	110	70-130					
2-Butanone	10.2		"	10.0	102	70-130					
2-Hexanone	11.5		"	10.0	115	70-130					
3-Chloropropene	10.4		"	10.0	104	70-130					
4-Methyl-2-pentanone	11.3		"	10.0	113	70-130					
Acetone	10.2		"	10.0	102	70-130					
Acrylonitrile	10.7		"	10.0	107	70-130					
Benzene	10.7		"	10.0	107	70-130					
Benzyl chloride	9.97		"	10.0	99.7	70-130					
Bromodichloromethane	11.2		"	10.0	112	70-130					
Bromoform	11.0		"	10.0	110	70-130					
Bromomethane	10.2		"	10.0	102	70-130					
Carbon disulfide	10.3		"	10.0	103	70-130					
Carbon tetrachloride	10.4		"	10.0	104	70-130					



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH11282 - EPA TO15 PREP

LCS (BH11282-BS1) **LCS** Prepared: 08/23/2021 Analyzed: 08/24/2021

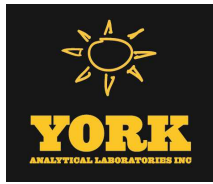
Chlorobenzene	10.7		ppbv	10.0		107	70-130						
Chloroethane	10.8		"	10.0		108	70-130						
Chloroform	10.3		"	10.0		103	70-130						
Chloromethane	9.95		"	10.0		99.5	70-130						
cis-1,2-Dichloroethylene	9.96		"	10.0		99.6	70-130						
cis-1,3-Dichloropropylene	11.6		"	10.0		116	70-130						
Cyclohexane	10.8		"	10.0		108	70-130						
Dibromochloromethane	11.0		"	10.0		110	70-130						
Dichlorodifluoromethane	9.65		"	10.0		96.5	70-130						
Ethyl acetate	10.7		"	10.0		107	70-130						
Ethyl Benzene	11.1		"	10.0		111	70-130						
Hexachlorobutadiene	9.26		"	10.0		92.6	70-130						
Isopropanol	9.39		"	10.0		93.9	70-130						
Methyl Methacrylate	11.5		"	10.0		115	70-130						
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	70-130						
Methylene chloride	10.4		"	10.0		104	70-130						
n-Heptane	10.6		"	10.0		106	70-130						
n-Hexane	10.3		"	10.0		103	70-130						
o-Xylene	11.0		"	10.0		110	70-130						
p- & m- Xylenes	22.3		"	20.0		112	70-130						
p-Ethyltoluene	11.5		"	10.0		115	70-130						
Propylene	9.42		"	10.0		94.2	70-130						
Styrene	11.3		"	10.0		113	70-130						
Tetrachloroethylene	9.26		"	10.0		92.6	70-130						
Tetrahydrofuran	10.3		"	10.0		103	70-130						
Toluene	10.8		"	10.0		108	70-130						
trans-1,2-Dichloroethylene	10.5		"	10.0		105	70-130						
trans-1,3-Dichloropropylene	11.7		"	10.0		117	70-130						
Trichloroethylene	10.4		"	10.0		104	70-130						
Trichlorofluoromethane (Freon 11)	9.76		"	10.0		97.6	70-130						
Vinyl acetate	10.1		"	10.0		101	70-130						
Vinyl bromide	10.5		"	10.0		105	70-130						
Vinyl Chloride	8.93		"	10.0		89.3	70-130						



Volatile Organic Compounds in Air 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 BH11282 - EPA TO15 PREP												
Duplicate (BH11282-DUP1)	Duplicate	*Source sample: 21H0957-04 (AA01_081821)						Prepared: 08/23/2021 Analyzed: 08/24/2021				
1,1,1,2-Tetrachloroethane	ND	0.63	ug/m ³		ND					25		
1,1,1-Trichloroethane	ND	0.50	"		ND					25		
1,1,2,2-Tetrachloroethane	ND	0.63	"		ND					25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.71	"		ND					25		
1,1,2-Trichloroethane	ND	0.50	"		ND					25		
1,1-Dichloroethane	ND	0.37	"		ND					25		
1,1-Dichloroethylene	ND	0.092	"		ND					25		
1,2,4-Trichlorobenzene	ND	0.69	"		ND					25		
1,2,4-Trimethylbenzene	0.59	0.45	"		0.59				0.00	25		
1,2-Dibromoethane	ND	0.71	"		ND					25		
1,2-Dichlorobenzene	ND	0.56	"		ND					25		
1,2-Dichloroethane	ND	0.37	"		ND					25		
1,2-Dichloropropane	ND	0.43	"		ND					25		
1,2-Dichlorotetrafluoroethane	ND	0.65	"		ND					25		
1,3,5-Trimethylbenzene	ND	0.45	"		ND					25		
1,3-Butadiene	ND	0.61	"		ND					25		
1,3-Dichlorobenzene	ND	0.56	"		ND					25		
1,3-Dichloropropane	ND	0.43	"		ND					25		
1,4-Dichlorobenzene	ND	0.56	"		ND					25		
1,4-Dioxane	ND	0.67	"		ND					25		
2-Butanone	0.82	0.27	"		0.87				6.45	25		
2-Hexanone	ND	0.76	"		ND					25		
3-Chloropropene	ND	1.4	"		ND					25		
4-Methyl-2-pentanone	0.34	0.38	"		ND					25		
Acetone	8.3	0.44	"		8.3				0.529	25		
Acrylonitrile	ND	0.20	"		ND					25		
Benzene	0.71	0.30	"		0.74				4.08	25		
Benzyl chloride	ND	0.48	"		ND					25		
Bromodichloromethane	ND	0.62	"		ND					25		
Bromoform	ND	0.96	"		ND					25		
Bromomethane	ND	0.36	"		ND					25		
Carbon disulfide	ND	0.29	"		ND					25		
Carbon tetrachloride	0.47	0.15	"		0.47				0.00	25		
Chlorobenzene	ND	0.43	"		ND					25		
Chloroethane	ND	0.24	"		ND					25		
Chloroform	ND	0.45	"		ND					25		
Chloromethane	1.5	0.19	"		1.3				16.4	25		
cis-1,2-Dichloroethylene	ND	0.092	"		ND					25		
cis-1,3-Dichloropropylene	ND	0.42	"		ND					25		
Cyclohexane	0.35	0.32	"		0.35				0.00	25		
Dibromochloromethane	ND	0.79	"		ND					25		
Dichlorodifluoromethane	2.7	0.46	"		2.6				5.22	25		
Ethyl acetate	0.60	0.67	"		0.60				0.00	25		
Ethyl Benzene	0.40	0.40	"		0.40				0.00	25		
Hexachlorobutadiene	ND	0.99	"		ND					25		
Isopropanol	3.9	0.45	"		4.0				0.576	25		
Methyl Methacrylate	1.7	0.38	"		1.7				0.00	25		
Methyl tert-butyl ether (MTBE)	ND	0.33	"		ND					25		
Methylene chloride	9.9	0.64	"		9.9				0.647	25		
n-Heptane	0.53	0.38	"		0.49				7.41	25		
n-Hexane	1.4	0.33	"		1.4				0.00	25		



Volatile Organic Compounds in Air 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
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Batch BH11282 - EPA TO15 PREP

Duplicate (BH11282-DUP1)	Duplicate	*Source sample: 21H0957-04 (AA01_081821)				Prepared: 08/23/2021 Analyzed: 08/24/2021	
o-Xylene	0.52	0.40	ug/m ³	0.56		7.41	25
p- & m- Xylenes	1.6	0.80	"	1.6		0.00	25
p-Ethyltoluene	0.50	0.45	"	0.50		0.00	25
Propylene	ND	0.16	"	ND			25
Styrene	ND	0.39	"	ND			25
Tetrachloroethylene	4.2	0.63	"	4.2		0.00	25
Tetrahydrofuran	ND	0.55	"	0.22			25
Toluene	4.3	0.35	"	4.4		0.803	25
trans-1,2-Dichloroethylene	ND	0.37	"	ND			25
trans-1,3-Dichloropropylene	ND	0.42	"	ND			25
Trichloroethylene	ND	0.12	"	ND			25
Trichlorofluoromethane (Freon 11)	1.4	0.52	"	1.3		3.77	25
Vinyl acetate	ND	0.33	"	ND			25
Vinyl bromide	ND	0.40	"	ND			25
Vinyl Chloride	ND	0.12	"	ND			25



Sample and Data Qualifiers Relating to This Work Order

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 - AIR

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. signature binds you to YORK's Standard Terms & Conditions.

YORK Project No.
2140957

Your

Page 1 of 1

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: LANGAN ENGINEERING	Company: SAME	Company: SAME	Company: SAME	Company: SAME	Company: SAME	Company: SAME	170362002	RUSH - Next Day	
Address: 360 WEST 31st ST, 18th FL	Address: New York, NY 10001	Address: 551-404-5597	Address: ALBERT TASHI	Address: ATASHI@LANGAN.COM	Address: TSCHIEFER@LANGAN.COM	Address: TSCHIEFER@LANGAN.COM	560 DELAWARE STREET	RUSH - Two Day	
Phone: 551-404-5597	Phone: ALBERT TASHI	Phone: 551-404-5597	Phone: ALBERT TASHI	Phone: ALBERT TASHI	Phone: ALBERT TASHI	Phone: ALBERT TASHI	224 THIRD AVENUE	RUSH - Three Day	
Contact: ALBERT TASHI	Contact: ALBERT TASHI	Contact: ALBERT TASHI	Contact: ALBERT TASHI	Contact: ALBERT TASHI	Contact: ALBERT TASHI	Contact: ALBERT TASHI		RUSH - Four Day	
E-mail: ALBERT TASHI	E-mail: ALBERT TASHI	E-mail: ALBERT TASHI	E-mail: ALBERT TASHI	E-mail: ALBERT TASHI	E-mail: ALBERT TASHI	E-mail: ALBERT TASHI		Standard (5-7 Day)	

Report / EDD Type (circle selections)		YORK Reg. Comp.	
Air Matrix Codes: AI - Indoor Ambient Air AO - Outdoor Amb. Air AE - Vapor Extraction Well/ Process Gas/Effluent AS - Soil Vapor/Sub-Slab	Samples From: New York New Jersey Connecticut Pennsylvania Other	Report / EDD Type: CT RCP CT RCP DQA/DUE NJDEP Reduced Deliv. NJDKQP	Compared to the following Regulation(s): (please fill in)

Sample Identification	Date/Time Sampled	Air Matrix	Please enter the following REQUIRED Field Data		Flow Cont. ID	Analysis Requested
			Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)		
SVD3-081821	8/18/21 11:55	AS	29.12	7.05	Y-42	} JO-15 VOC'S
SVD4-081821	13:10-15:10	AS	28.97	6.49	Y-24	
SVD5-081821	14:24-16:24	AS	30.21	4.92	7270	
AA01-081821	11:33-13:35	AD	29.33	4.64	7085	

Certified Canisters: Batch _____ Individual _____		Reporting Units: ug/m ³ _____ ppbv _____ ppmv _____	
Comments:		Detection Limits Required	
Samples Relinquished by / Company MICHAEL RAY/LANGAN		≤ 1 ug/m ³ _____ Routine Survey _____ Other _____ Samples Relinquished by / Company	
Date/Time 8/18/21 16:35		Date/Time 8/18/21 16:35	
Samples Received by / Company MICHAEL RAY/LANGAN		Samples Received by / Company York / York	
Date/Time 8/18/21 16:35		Date/Time 8/18/21 16:35	
Samples Relinquished by / Company		Samples Received in LAB by York / York (14)	
Date/Time		Date/Time 8/20/21 10:30	