LAUREL ENVIRONMENTAL GEOSCIENCES, D.P.C.
53 WEST HILLS ROAD, SUITE 1, HUNTINGTON STATION, NEW YORK 11746
PHONE: (631) 673-0612 • FAX: (631) 427-5323
WWW.LAURELENV.COM

February 22, 2022

Seen Media Group
Attention: Jay Heleva
67 West Street, Suite 301
Brooklyn, New York 11222

RE: 9 North 15th Street, Brooklyn, New York 11222
Limited Phase II Subsurface Investigation
***Laurel* Project #21-435**

Dear Mr. Heleva,

On February 9, 2022, ***Laurel Environmental Geosciences, D.P.C.*** (“***Laurel”***) has conducted the proposed Limited Phase II Subsurface Investigation for the industrial property located at 9 North 15th Street, Brooklyn, New York (“Site”). This report documents the findings and conclusions of the investigation and includes recommendations for future environmental investigation as warranted.

Laurel previously completed a Phase I Environmental Site Assessment (“ESA”) for the Site, dated January 7, 2022, and identified the following recognized environmental conditions (“RECs”) that pertain to this Limited Subsurface Investigation:

- Past use of the Subject Property for industrial manufacturing
- Abandoned underground storage tank with no tank tightness testing documentation
- Historic hazardous waste generator listing

Based on the findings of the Phase I ESA, ***Laurel*** conducted a soil vapor intrusion investigation, subsurface soil sampling, and groundwater sampling to determine if hazardous waste has impacted the indoor ambient air quality, subsurface soils, or groundwater quality at the Site. In addition, ***Laurel*** conducted soil sampling surrounding the abandoned underground storage tank (“UST”) to assess if the UST had leaked in the past. A photo log documenting the Limited Phase II Subsurface Investigation is attached to this report as Appendix A. Sampling locations are shown on Figure 1.0 of this report.

Soil Vapor Intrusion Investigation

Laurel conducted a soil vapor intrusion (“SVI”) investigation consisting of sub-slab soil vapor sampling, indoor ambient air sampling, and outdoor ambient air sampling at the Site. A total of two (2) soil vapor (SS-1 and SS-2), two (2) indoor ambient air (IA-1 and IA-2), and one (1) outdoor ambient air (OA-1) samples were collected as part of this investigation. The samples SS-1 and IA-1 were collocated in the storage area in the northwest corner of the Site Building, and SS-2 and IA-2 were located in the center of the Site Building. An inspection of the Site Building was conducted to identify any chemical storage areas that may contribute volatile organic compounds (“VOCs”) to the indoor ambient air. The survey was documented on a New York State Department of Health (“NYSDOH”) Indoor Air Quality Questionnaire and Building Inventory form.

The sub-slab soil vapor samples were collected from temporary soil vapor points installed immediately below the Site Buildings foundation, using the Vapor Pin® system and a Hilti Hammer Drill with a 5/8-inch diameter core bit. Each sub-slab soil vapor sampling point was sampled in accordance with NYSDOH guidance and standard industry practices, which included purging the line and confirming a tight surface seal using helium gas and a helium detector prior to sampling. The outdoor ambient air sample was collected from an upwind location as determined on the day of the sampling event.

The sub-slab soil vapor and ambient air samples were collected utilizing pressurized 6-liter Summa canisters fitted with 3.0 L/hour flow controllers, to collect the samples over the span of two (2) hours.

Soil Vapor Intrusion Investigation – Laboratory Results

The soil vapor and ambient air samples collected were submitted to York Analytical Laboratories ("York"), a NYSDOH certified Environmental Laboratory, for laboratory analysis of VOCs using United States Environmental Protection Agency ("USEPA") Method TO-15. The analytical results were compared to the NYSDOH decision matrices for evaluating SVI conditions. The analytical results are summarized in Table I below. A copy of the York laboratory data package is attached as Appendix B.

Table I: NYSDOH Regulated Compounds Detected in SVI Investigation

Sample ID	**SS-1**		**IA-1**		**SS-2**		**IA-2**		**OA-1**	
Sampling Date	**2/9/2022**		**2/9/2022**		**2/9/2022**		**2/9/2022**		**2/9/2022**	
Client Matrix	**Soil Vapor**		**Indoor Ambient Air**		**Soil Vapor**		**Indoor Ambient Air**		**Outdoor Ambient Air**	
Compound	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
VOCs, TO-15	µg/m³		µg/m³		µg/m³		µg/m³		µg/m³	
Dilution Factor	8.5		0.9		802		1.0		0.9	
1,1,1-Trichloroethane	590	D	0.5	U	320	D	0.6	U	0.5	U
1,1-Dichloroethane	6.8	D	0.4	U	51	D	0.4	U	0.4	U
Carbon tetrachloride	27	D	0.3	D	11	D	0.3	D	0.3	D
cis-1,2-Dichloroethylene	17	D	0.1	U	1,500	D	0.1	U	0.1	U
Methylene chloride	5.9	J	2.4	D	11	J	0.7	D	1.4	D
Tetrachloroethylene	51	D	0.8	D	32,000	D	2.9	D	4.9	D
Trichloroethylene	2,000	D	3.2	D	190,000	BD	4.2	D	13	D
Vinyl Chloride	1.1	U	0.1	U	9.0	D	0.1	U	0.1	U
NYSDOH Matrix A Decision	Mitigate				Mitigate					
NYSDOH Matrix B Decision	No Further Action				Mitigate				Not Applicable	
NYSDOH Matrix C Decision	No Further Action				Monitor					

Note:
µg/m³=micrograms per cubic meter
Q is the qualifier column, where: B=analyte detected in the batch blank, D=result is from an analysis that required a dilution, J=analyte detected at or above the method detection limit but below the reporting limit, U=analyte not detected at or above the level indicated.

The analytical results showed elevated levels of halogenated solvents including tetrachloroethylene (PCE), trichloroethylene (TCE), and cis-1,2-dichloroethylene (cis-1,2-DCE) were detected in the sub-slab soil vapor and indoor air at concentrations which require mitigation according to the NYSDOH Matrices. Vinyl chloride was also detected in the sub-slab soil vapor at concentrations warranting further monitoring according to the NYSDOH Decision Matrix C.

Subsurface Soil Investigation

A geophysical survey was conducted to preclear the soil boring locations prior to drilling operations. An 800/300 MHz dual frequency Ground Penetrating Radar ("GPR") unit along with utility line locating equipment was utilized for the geophysical survey to ensure the safety of the drilling crew and prevent damage to any on-site subsurface utilities.

Laurel advanced three (3) continuous soil borings (SB-1 through SB-3) throughout the footprint of the Site Building to characterize the subsurface soils and determine if hazardous waste was disposed of at the Site. Each soil boring was advanced to a depth of 10 feet below ground surface ("bgs"). The soil borings were field screened utilizing a photoionization detector ("PID") for the presence VOCs, and visual and olfactory methods for other evidence of contamination. One (1) grab sample was collected from each soil core; the grab samples were collected from the 1-foot interval with the highest PID reading or other visual or olfactory evidence of contamination. Historic fill material was noted beneath the Site Building to a depth of approximately 5 feet bgs in each boring location. Soil boring logs showing the subsurface stratigraphy are attached as Appendix C.

Subsurface Soil Investigation – Laboratory Results

The soil samples collected were submitted to York for laboratory analysis of VOCs using USEPA Method 8260, and for Resources Conservation and Recovery Act ("RCRA") 8 Heavy Metals by USEPA Method 6010/6020, and hexavalent chromium (Cr^{6+}). Soil analytical results were compared against New York State Department of Environmental Conservation ("NYSDEC") Unrestricted Use Soil Cleanup Objectives ("SCOs"). The analytical results are summarized in Table II below. A copy of the York laboratory data package is attached as Appendix B.

Table II: Subsurface Soil Analytical Results

Sample ID **Sampling Date** **Client Matrix**	**NYSDEC Unrestricted Use SCOs**	**SB-1 @4'** **2/9/2022** **Soil**		**SB-2 @5'** **2/9/2022** **Soil**		**SB-3 @3-4'** **2/9/2022** **Soil**	
Compound		Result	Q	Result	Q	Result	Q
VOCs, 8260	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
Dilution Factor		1		1000		1	
1,2,4-Trimethylbenzene	3.6	0.0	U	0.5	JD	0.0	U
Acetone	0.05	0.0		**0.7**	U	0.0	U
cis-1,2-Dichloroethylene	0.25	0.0	U	**1.5**	D	0.0	U
Ethyl Benzene	1	0.0	U	0.5	JD	0.0	U
Hexachlorobutadiene	~	0.0	U	1.0	D	0.0	U
Methylene chloride	0.05	0.04	B	**5.6**	BD	0.02	B
o-Xylene	~	0.0	U	0.7	D	0.0	U
p- & m- Xylenes	~	0.0	U	2.1	D	0.0	U
Tetrachloroethylene	1.3	0.0	U	**100**	DE	0.0	U
Toluene	0.7	0.0	U	0.7	JD	0.0	U
Trichloroethylene	0.47	0.0		**400**	DE	0.0	J
Xylenes, Total	0.26	0.0	U	**2.9**	D	0.0	U

Table II: Subsurface Soil Analytical Results (continued)

Sample ID Sampling Date Client Matrix	NYSDEC Unrestricted Use SCOs	SB-1 @4' 2/9/2022 Soil		SB-2 @5' 2/9/2022 Soil		SB-3 @3-4' 2/9/2022 Soil	
Compound		Result	Q	Result	Q	Result	Q
Metals, RCRA	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
Dilution Factor		1		1		1	
Arsenic	13	7.8		**43**		5.0	
Barium	350	44		49		38	
Cadmium	2.5	0.3	U	**2.6**		0.3	U
Chromium	~	6.3		141		16	
Lead	63	**118**		**89**		53	
Silver	2	0.6	U	0.7		0.6	U
Mercury	0.18	0.1		**0.7**		**0.9**	

Note:

mg/Kg=milligrams per kilogram

Q is the qualifier column, where: B=analyte detected in the batch blank, D=result is from an analysis that required a dilution, J=analyte detected at or above the method detection limit but below the reporting limit, U=analyte not detected at or above the level indicated.

Laboratory analytical results indicate that the historic fill material present beneath the Site Building contains elevated levels of heavy metals including arsenic, cadmium, lead, and mercury. At the location of SB-2, several halogenated solvents including PCE, TCE, and cis-1,2-DCE were found at elevated concentrations at a depth of 5 feet bgs.

Groundwater Investigation

At the three (3) soil boring locations advanced as part of the Subsurface Soil Investigation, temporary groundwater monitoring wells (TMW-1 through TMW-3) were installed to assess groundwater quality beneath the Site and determine if the Site is potentially contributing to groundwater contamination. Groundwater was encountered at approximately 9 feet bgs throughout the Site. The temporary monitoring wells were constructed from 1" PVC riser and 1" PVC slotted screen; the slotted screen was set with 5 feet below the groundwater table and 5 feet above to allow for the collection of light non-aqueous phase liquids ("LNAPL"). The temporary monitoring wells were purged of a minimum of 3 times the casing volume and sampled using low flow techniques in accordance with the NYSDEC guidelines for conducting site investigations. A representative groundwater sample was retained for laboratory analysis from each monitoring well location.

Groundwater Investigation – Laboratory Results

The groundwater samples collected were submitted to York for laboratory analysis of VOCs using USEPA Method 8260, RCRA Heavy Metals by USEPA Method 6010/6020, and hexavalent chromium (Cr^{6+}). Groundwater analytical results were compared against the NYSDEC Technical and Operational Guidance Series ("TOGS") values for Class GA Groundwater. The groundwater analytical results are summarized in Table III below. A copy of the York laboratory data package is attached as Appendix B.

Table III: Groundwater Analytical Results

Sample ID **Sampling Date** **Client Matrix**	**NYSDEC TOGS Class GA**	**TMW-1** **2/9/2022** **Water**		**TMW-2** **2/9/2022** **Water**		**TMW-3** **2/9/2022** **Water**	
Compound		Result	Q	Result	Q	Result	Q
VOCs, 8260	µg/L	µg/L		µg/L		µg/L	
Dilution Factor		10		10		1	
1,1-Dichloroethane	5	2.0	U	0.3	J	0.2	U
1,1-Dichloroethylene	5	2.0	U	0.7		0.2	U
1,2,4,5-Tetramethylbenzene	~	2.0	U	0.3	J	0.2	U
1,2,4-Trimethylbenzene	5	2.1	JD	0.4	J	0.2	U
cis-1,2-Dichloroethylene	5	2.0	U	**60**		0.5	
Ethyl Benzene	5	2.0	U	0.6		0.2	U
Methyl tert-butyl ether (MTBE)	10	2.0	U	0.3	J	0.5	J
Methylene chloride	5	**40**	D	4.2		2.8	
Naphthalene	10	**14**	JD	1.0	U	1.0	U
o-Xylene	5	2.0	U	0.9		0.2	U
p- & m- Xylenes	~	5.0	U	2.1		0.5	U
sec-Butylbenzene	5	2.0	U	0.3	J	0.2	U
tert-Butylbenzene	5	2.0	U	0.2	J	0.2	U
Tetrachloroethylene	5	**570**	D	**10**		0.2	U
Toluene	5	2.0	U	0.9		0.2	U
trans-1,2-Dichloroethylene	5	2.0	U	0.3	J	0.2	U
Trichloroethylene	5	2.0	U	**21**		0.2	J
Vinyl Chloride	2	2.0	U	**300**	D	0.4	J
Xylenes, Total	5	**6**	U	3.0		0.6	U
Metals, RCRA	µg/L	µg/L		µg/L		µg/L	
Dilution Factor		1.0		1.0		1.0	
Barium	1000	78		198		156	
Chromium	50	7.0	B	8.0	B	7.0	B
Lead	25	**28**		13		12	
Selenium	10	**59**		**68**		**45**	

Note:

µg/L=micrograms per liter

Q is the qualifier column, where: B=analyte detected in the batch blank, D=result is from an analysis that required a dilution, J=analyte detected at or above the method detection limit but below the reporting limit, U=analyte not detected at or above the level indicated.

Laboratory analytical results indicate that several halogenated VOCs are present in the groundwater beneath the Site including PCE, TCE, cis-1,2-DCE, methylene chloride, and vinyl chloride at the locations of TMW-1 and TMW-2. The heavy metals lead and selenium were also detected at slightly elevated concentrations.

Underground Storage Tank Investigation

The previously abandoned underground storage tank ("UST") was reportedly utilized for heating oil and had a reported capacity of 2,000-gallons. The UST was reportedly abandoned on July 5, 1996, with no tank tightness testing or subsurface soils being analyzed. A geophysical survey was conducted in the area of the UST to determine the location and bounds of the tank. The UST was determined to be orientated in a north-south direction and located in the area of the bay door on Gem Street. The approximate dimensions of the UST matched the reported capacity of 2,000-gallons.

Three (3) continuous soil borings (UST-1 through UST-3) were advanced on the western edge of the UST, at locations hydraulically downgradient, to determine if the tank had leaked. Each soil boring was advanced to a depth of 10 feet bgs. The soil borings were field screened utilizing a PID for detecting VOCs, and visual and olfactory methods for other evidence of contamination. One (1) grab sample was collected from each soil boring location; the grab samples were collected from the 1-foot interval with the highest PID reading or other evidence of contamination. At the location of UST-1, in absence of any PID readings or other evidence of contamination, the grab sample was taken from 1-foot interval directly above the groundwater interface. Soil boring logs characterizing the subsurface soils from the soil boring near the UST are attached as Appendix C.

Underground Storage Tank Investigation – Laboratory Results

The soil samples collected as part of the UST Investigation were submitted to York for laboratory analysis of petroleum-related VOCs using USEPA Method 8260 (CP-51 List), and petroleum-related semi-volatile organic compounds ("SVOCs") using USEPA Method 8270 (CP-51 List). Soil analytical results were compared against the NYSDEC Unrestricted Use SCOs. The UST Investigation soil analytical results are summarized in Table IV on the following page. A copy of the York laboratory data package is attached as Appendix B.

Laboratory analytic results found no petroleum VOCs in the subsurface soils surrounding the UST. On the northern end of the UST, at the location of soil boring designated UST-3, several petroleum SVOCs were detected at elevated concentrations. Petroleum SVOCs were not detected in any other soil boring locations.

Table IV: UST Investigation Analytical Results

Sample ID Sampling Date Client Matrix	NYSDEC Unrestricted Use SCOs	UST-1 @8-9' 2/9/2022 Soil		UST-2 @7-8' 2/9/2022 Soil		UST-3 @5-6' 2/9/2022 Soil	
Compound		Result	Q	Result	Q	Result	Q
SVOCs, CP-51 List	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
Dilution Factor		2		2		100	
Acenaphthene	20	0.1	U	0.0	U	0.7	D
Acenaphthylene	100	0.1	U	0.0	U	0.5	D
Anthracene	100	0.1	U	0.2	D	1.6	D
Benzo(a)anthracene	1	0.3	D	0.1	D	**3.7**	JD
Benzo(a)pyrene	1	0.4	D	0.2	D	**4.1**	JD
Benzo(b)fluoranthene	1	0.3	D	0.1	D	**2.9**	JD
Benzo(g,h,i)perylene	100	0.3	D	0.1	D	2.3	D
Benzo(k)fluoranthene	0.8	0.3	D	0.1	D	**3.5**	JD
Chrysene	1	0.3	D	0.1	D	**4.2**	JD
Dibenzo(a,h)anthracene	0.33	0.1	JD	0.0	U	**0.9**	D
Fluoranthene	100	0.3	D	0.2	D	8.2	D
Fluorene	30	0.1	U	0.0	U	0.7	D
Indeno(1,2,3-cd)pyrene	0.5	0.3	D	0.1	D	**2.7**	D
Naphthalene	12	0.1	D	0.0	U	0.4	D
Phenanthrene	100	0.2	D	0.2	D	6.8	D
Pyrene	100	0.3	D	0.2	D	8.0	D

mg/Kg=milligrams per kilogram
Q is the qualifier column, where: B=analyte detected in the batch blank, D=result is from an analysis that required a dilution, J=analyte detected at or above the method detection limit but below the reporting limit, U=analyte not detected at or above the level indicated.

Summary Conclusions

Laurel conducted the Limited Phase II Subsurface Investigation on February 9, 2022. The scope of work included seven (7) air, six (6) soil, and three (3) groundwater samples retained for laboratory analysis from locations throughout the Site to determine if historic usage as an electroplating facility or the abandoned heating oil UST have compromised the environmental integrity of the Site.

The SVI investigation documented halogenated solvents in the indoor ambient air of the Site Building and sub-slab soil vapor of the Site Building including PCE, TCE, and cis-1,2-DCE at concentrations requiring mitigation according to the NYSDOH Decision Matrices.

The subsurface soil investigation documented elevated concentrations of halogenated solvents including PCE, TCE, and cis-1,2-DCE in the subsurface soils at the location of SB-2 at a depth of 5 feet beneath the Site Building slab. Historic fill material was encountered throughout the Site to a depth of approximately 5 feet bgs and was determined to contain heavy metals including arsenic, cadmium, lead, and mercury at elevated concentrations typical of historic fill material.

The groundwater investigation documented elevated concentrations of halogenated solvents including PCE, TCE, cis-1,2-DCE, methylene chloride, and vinyl chloride in the north and central portions of the Site. The heavy metals lead and selenium were also detected at slightly elevated concentrations throughout the Site.

The UST investigation documented elevated concentrations of petroleum-related SVOCs in the subsurface soils on the north end of the previously abandoned 2,000-gallon UST at approximately 6 feet bgs. No petroleum VOCs were detected in the subsurface soils.

Recommendations

To mitigate the potential for SVI conditions to occur in the Site Building, a sub-slab depressurization system ("SSDS") should be designed and installed to protect any current or future inhabitants of the Site Building from harmful halogenated solvents originating from the subsurface. If demolition and redevelopment is contemplated, an SSDS should be incorporated into the design of any future buildings.

Further delineation of the area surrounding SB-2 is warranted to determine the extent and magnitude of halogenated solvents present in subsurface soils beneath the Site Building. These halogenated solvents may have entered the subsurface from historic housekeeping practices. Remedial excavation may be required in the future to address halogenated solvents in subsurface soils. Alternative remedial measures may include air sparge/soil vapor extraction systems and/or in-situ chemical oxidation to address contaminants in place. The NYSDEC may need to be notified prior to any remedial activities taking place.

The elevated concentrations of halogenated solvents documented in groundwater at TMW-1 and TMW-2 may be attributable to historic housekeeping practices at the Site. Although groundwater in the area of the Site is not utilized for potable purposes, the halogenated solvents in groundwater may impact on-site indoor air and potentially impact off-site indoor air through the SVI pathway. If an on-site source area is identified or suspected, the Site owner may be responsible for remedial treatment of groundwater or containment of any plumes originating from the Site. Again, this contamination may be addressed by using air sparge/soil vapor extraction systems and/or in-situ chemical oxidation to address contaminants in place

The petroleum related SVOCs documented in proximity to the previously abandoned UST indicate that the UST may have leaked to the subsurface soils. The property owner is obligated to report the laboratory analytical data from this investigation to the NYSDEC for review and comment. The NYSDEC may require petroleum impacted subsurface soils to be excavated or the tank removed from the ground.

Please contact us if you have any questions or if we may be of additional assistance in these matters.

Respectfully submitted,
Laurel Environmental Geosciences, DPC.

Jamie Burgher
Geologist III

Laurel Environmental Geosciences DPC •53 W Hills Road, Suite 1, Huntington Station, NY 11746 •phone (631) 673-0612 •fax (631) 427-5323

ENVIRONMENTAL PROFESSIONAL CERTIFICATION

I declare that, to the best of my professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in § 312.10 of 40 Code of Federal Regulations (CFR) 312.

The Environmental Professional who directed this project has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site.

Scott A. Yanuck, P.G.
President, Principal Hydrogeologist

Attachments: Figure 1.0 – Site Sketch with Sampling Locations
Appendix A – Photo Log
Appendix B – Laboratory Data Packages
Appendix C – Soil Boring Logs

Laurel
ENVIRONMENTAL GEOSCIENCES DPC

53 West Hills Road
Huntington Station, NY 11746

PHONE: 631-673-0612
FAX: 631-427-5323

WWW.LAURELENV.COM

FIGURE 1.0
SITE SKETCH WITH SAMPLE LOCATIONS

9 North 15th Street,
Brooklyn, New York 11222

PROJECT: 21-435
DRAWING DATE: 2-10-22
DRAWN BY: MO
CHECKED BY: JB
REVISIONS: N/A

KEY
- Soil sample location
- Soil & groundwater sample location
- Air sample location
- Underground storage tank
- Site boundary

N
W E
S

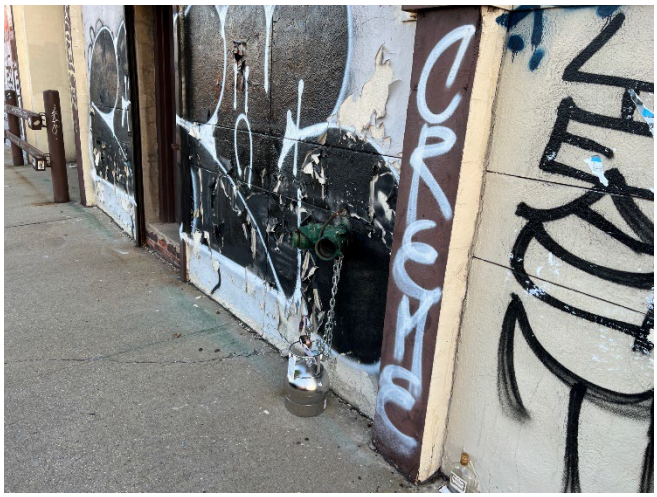


Photo 1. Location of OA-1 on the southeast corner of the Building.

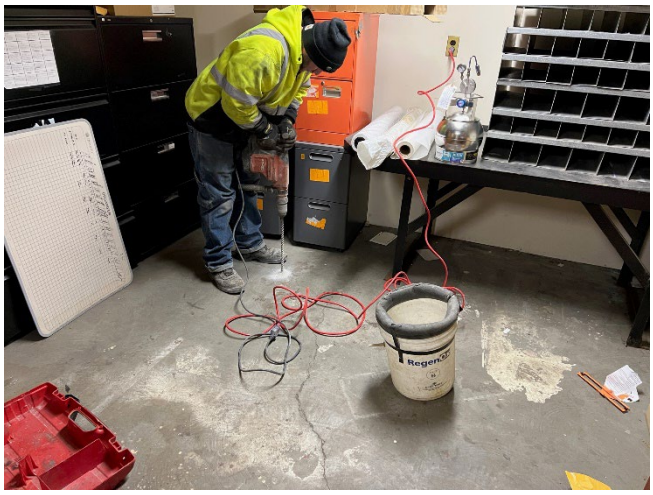


Photo 2. Location of IA-1 in the northwest corner of the Building.

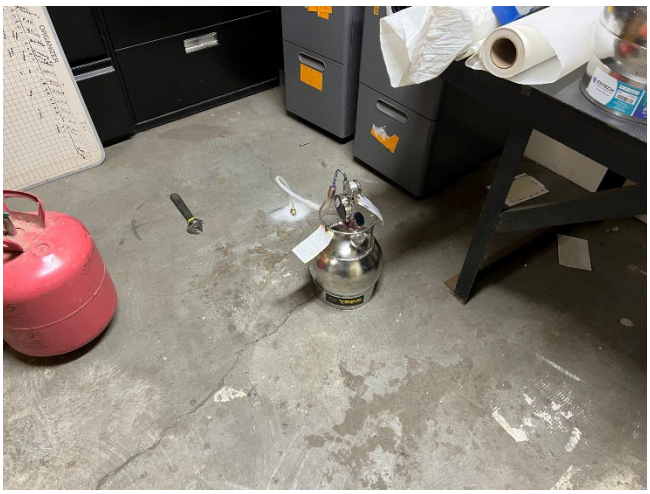


Photo 3. Location of SS-1 adjacent to IA-1.

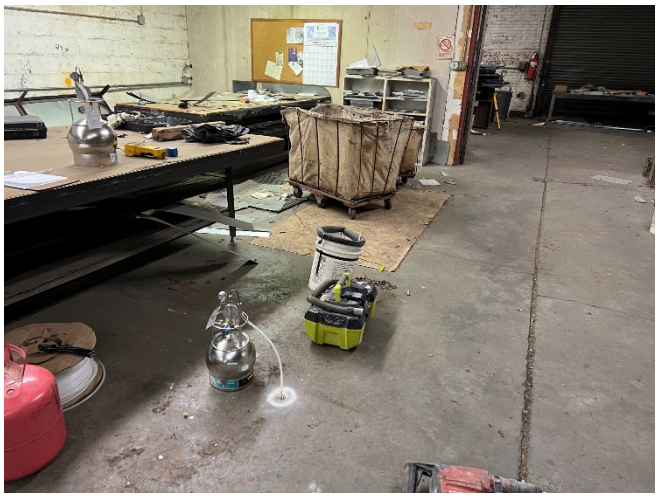


Photo 4. Location of IA-2 and SS-2 in the center of the Building.

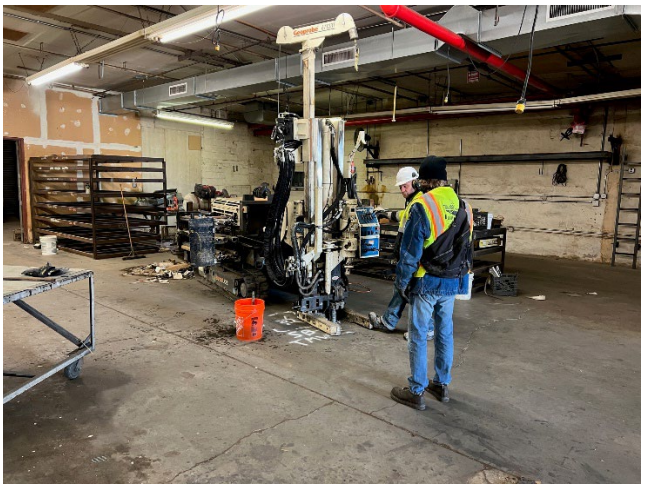


Photo 5. Drilling at SB-2/TMW-2 in the center of the Building.

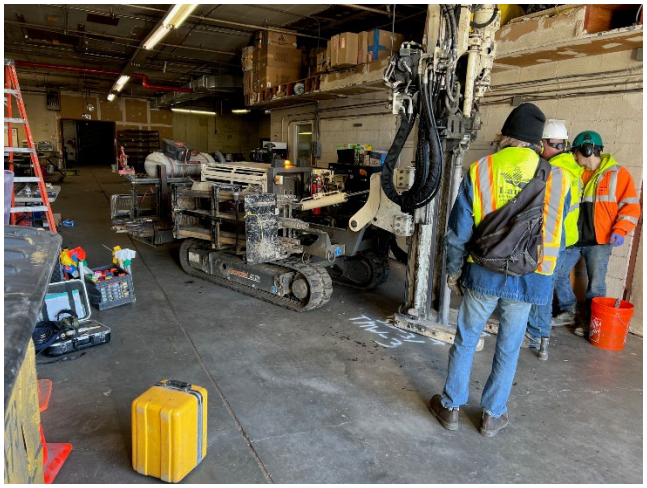


Photo 6. Drilling at SB-3/TMW-3 in the southwest corner of the Building.

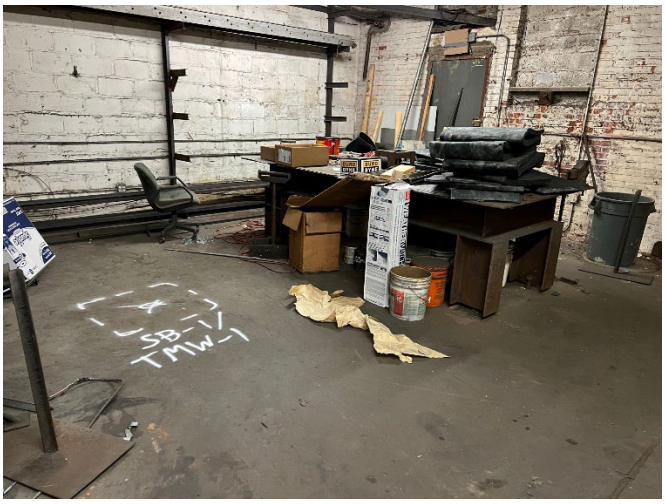


Photo 7. Location of SB-1/TMW-1 in the northwest corner of the Building.

Photo 7. Location of the underground storage tank (circled) and locations of UST-1, UST-2, and UST-3

Technical Report

prepared for:

Laurel Environmental Geosciences, D.P.C.
53 W Hills Road, Suite 1
Huntington Station NY, 11746
Attention: Scott Yanuck

Report Date: 02/17/2022
Client Project ID: 9 North 15th Street Brooklyn, New York 21-435.1
York Project (SDG) No.: 22B0466

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

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

Report Date: 02/17/2022
Client Project ID: 9 North 15th Street Brooklyn, New York 21-435.1
York Project (SDG) No.: 22B0466

Laurel Environmental Geosciences, D.P.C.
53 W Hills Road, Suite 1
Huntington Station NY, 11746
Attention: Scott Yanuck

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 February 10, 2022 and listed below. The project was identified as your project: **9 North 15th Street Brooklyn, New York 21-435.1**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B0466-01	TMW-1	Water	02/09/2022	02/10/2022
22B0466-02	TMW-2	Water	02/09/2022	02/10/2022
22B0466-03	TMW-3	Water	02/09/2022	02/10/2022

General Notes for York Project (SDG) No.: 22B0466

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

Approved By:  **Date:** 02/17/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: TMW-1 **York Sample ID:** 22B0466-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0466	9 North 15th Street Brooklyn, New York 21-435.1	Water	February 9, 2022 11:50 am	02/10/2022

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 NELAC-NY10854,NELAC-NY12058,NJDEP	PD
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46	PD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
95-63-6	**1,2,4-Trimethylbenzene**	**2.1**	J	ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
142-28-9	1,3-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD

Sample Information

Client Sample ID: TMW-1 **York Sample ID:** 22B0466-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0466	9 North 15th Street Brooklyn, New York 21-435.1	Water	February 9, 2022 11:50 am	02/10/2022

Volatile Organics, 8260 List - Low Level

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
594-20-7	2,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
95-49-8	2-Chlorotoluene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
106-43-4	4-Chlorotoluene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
67-64-1	Acetone	ND		ug/L	10	20	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
71-43-2	Benzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
108-86-1	Bromobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 12:46	PD

Sample Information

Client Sample ID: TMW-1 **York Sample ID:** 22B0466-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0466	9 North 15th Street Brooklyn, New York 21-435.1	Water	February 9, 2022 11:50 am	02/10/2022

Volatile Organics, 8260 List - Low Level

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
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
100-41-4	Ethyl Benzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
98-82-8	Isopropylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-09-2	**Methylene chloride**	**40**		ug/L	10	20	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
91-20-3	**Naphthalene**	**14**	J	ug/L	10	20	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
104-51-8	n-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
103-65-1	n-Propylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
95-47-6	o-Xylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	PD
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	PD
105-05-5	* p-Diethylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46	PD
622-96-8	* p-Ethyltoluene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46	PD
99-87-6	p-Isopropyltoluene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
135-98-8	sec-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
127-18-4	**Tetrachloroethylene**	**570**		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-88-3	Toluene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD

Sample Information

Client Sample ID: TMW-1 **York Sample ID:** 22B0466-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0466	9 North 15th Street Brooklyn, New York 21-435.1	Water	February 9, 2022 11:50 am	02/10/2022

Volatile Organics, 8260 List - Low Level

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	2.0	5.0	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
1330-20-7	Xylenes, Total	ND		ug/L	6.0	15	10	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 12:46 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	PD

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*120 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.5 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*92.2 %*	*79-122*

Metals, RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D Certifications:	02/16/2022 10:51	02/16/2022 17:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	RTH
7440-39-3	**Barium**	**0.078**		mg/L	0.028	1	EPA 6010D Certifications:	02/16/2022 10:51	02/16/2022 17:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	RTH
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010D Certifications:	02/16/2022 10:51	02/16/2022 17:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	RTH
7440-47-3	**Chromium**	**0.007**	B	mg/L	0.006	1	EPA 6010D Certifications:	02/16/2022 10:51	02/16/2022 17:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	RTH
7439-92-1	**Lead**	**0.028**		mg/L	0.006	1	EPA 6010D Certifications:	02/16/2022 10:51	02/16/2022 17:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	RTH
7782-49-2	*** Selenium**	**0.059**		mg/L	0.028	1	EPA 6010D Certifications:	02/16/2022 10:51	02/16/2022 17:10 CTDOH	RTH
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications:	02/16/2022 10:51	02/16/2022 17:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	RTH

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:	02/11/2022 19:38	02/11/2022 19:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	1	EPA 7196A Certifications:	02/10/2022 22:08	02/10/2022 22:44 NELAC-NY10854,CTDOH,NJDEP,PADEP	MAO

Sample Information

Client Sample ID: TMW-1 **York Sample ID:** 22B0466-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0466	9 North 15th Street Brooklyn, New York 21-435.1	Water	February 9, 2022 11:50 am	02/10/2022

Sample Information

Client Sample ID: TMW-2 **York Sample ID:** 22B0466-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0466	9 North 15th Street Brooklyn, New York 21-435.1	Water	February 9, 2022 12:35 pm	02/10/2022

Volatile Organics, 8260 List - Low Level

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	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	**1,1-Dichloroethane**	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	**1,1-Dichloroethylene**	**0.67**		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-93-2	* **1,2,4,5-Tetramethylbenzene**	**0.27**	J	ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**0.36**	J	ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TMW-2 **York Sample ID:** 22B0466-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0466	9 North 15th Street Brooklyn, New York 21-435.1	Water	February 9, 2022 12:35 pm	02/10/2022

Volatile Organics, 8260 List - Low Level

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
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:13	PD

Sample Information

Client Sample ID: TMW-2 **York Sample ID:** 22B0466-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0466	9 North 15th Street Brooklyn, New York 21-435.1	Water	February 9, 2022 12:35 pm	02/10/2022

Volatile Organics, 8260 List - Low Level

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
156-59-2	**cis-1,2-Dichloroethylene**	**60**		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	**Ethyl Benzene**	**0.61**		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.31**	J	ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**4.2**		ug/L	1.0	2.0	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**0.87**		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**2.1**		ug/L	0.50	1.0	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**0.32**	J	ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	**tert-Butylbenzene**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**10**		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**0.87**		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TMW-2 **York Sample ID:** 22B0466-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0466	9 North 15th Street Brooklyn, New York 21-435.1	Water	February 9, 2022 12:35 pm	02/10/2022

Volatile Organics, 8260 List - Low Level

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
156-60-5	**trans-1,2-Dichloroethylene**	**0.34**	J	ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	**Trichloroethylene**	**21**		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	**Vinyl Chloride**	**300**		ug/L	2.0	5.0	10	EPA 8260C	02/14/2022 09:00	02/14/2022 15:19	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**3.0**		ug/L	0.60	1.5	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:13	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*120 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.2 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*93.9 %*	*79-122*

Metals, RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D	02/16/2022 10:51	02/16/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**0.198**		mg/L	0.028	1	EPA 6010D	02/16/2022 10:51	02/16/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010D	02/16/2022 10:51	02/16/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**0.008**	B	mg/L	0.006	1	EPA 6010D	02/16/2022 10:51	02/16/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**0.013**		mg/L	0.006	1	EPA 6010D	02/16/2022 10:51	02/16/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	*** Selenium**	**0.068**		mg/L	0.028	1	EPA 6010D	02/16/2022 10:51	02/16/2022 17:13	RTH
							Certifications:	CTDOH		
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D	02/16/2022 10:51	02/16/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

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

Sample Information

Client Sample ID: TMW-2 **York Sample ID:** 22B0466-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0466	9 North 15th Street Brooklyn, New York 21-435.1	Water	February 9, 2022 12:35 pm	02/10/2022

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	02/11/2022 19:38	02/11/2022 19:38	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	1	EPA 7196A	02/10/2022 22:08	02/10/2022 22:44	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: TMW-3 **York Sample ID:** 22B0466-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0466	9 North 15th Street Brooklyn, New York 21-435.1	Water	February 9, 2022 1:15 pm	02/10/2022

Volatile Organics, 8260 List - Low Level

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	02/11/2022 09:00	02/11/2022 13:40	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:40	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:40	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:40	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:40	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:40	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:40	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:40	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:40	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/11/2022 09:00	02/11/2022 13:40	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TMW-3 **York Sample ID:** 22B0466-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0466	9 North 15th Street Brooklyn, New York 21-435.1	Water	February 9, 2022 1:15 pm	02/10/2022

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD

Sample Information

Client Sample ID: TMW-3 **York Sample ID:** 22B0466-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0466	9 North 15th Street Brooklyn, New York 21-435.1	Water	February 9, 2022 1:15 pm	02/10/2022

Volatile Organics, 8260 List - Low Level

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
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	**cis-1,2-Dichloroethylene**	**0.54**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.47**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	**Methylene chloride**	**2.8**		ug/L	1.0	2.0	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP

Sample Information

Client Sample ID: TMW-3 **York Sample ID:** 22B0466-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0466	9 North 15th Street Brooklyn, New York 21-435.1	Water	February 9, 2022 1:15 pm	02/10/2022

Volatile Organics, 8260 List - Low Level

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
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00	02/11/2022 13:40	PD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:40	PD
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:40	PD
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:40	PD
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:40	PD
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:40	PD
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:40	PD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:40	PD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:40	PD
79-01-6	**Trichloroethylene**	**0.23**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:40	PD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:40	PD
75-01-4	**Vinyl Chloride**	**0.36**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/11/2022 13:40	PD
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	02/11/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/11/2022 13:40	PD

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*113 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.2 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*95.0 %*	*79-122*

Metals, RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D Certifications:	02/16/2022 10:51 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/16/2022 17:16	RTH
7440-39-3	**Barium**	**0.156**		mg/L	0.028	1	EPA 6010D Certifications:	02/16/2022 10:51 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/16/2022 17:16	RTH
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010D Certifications:	02/16/2022 10:51 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/16/2022 17:16	RTH

Sample Information

Client Sample ID: TMW-3 **York Sample ID:** 22B0466-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0466	9 North 15th Street Brooklyn, New York 21-435.1	Water	February 9, 2022 1:15 pm	02/10/2022

Metals, RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	**Chromium**	**0.007**	B	mg/L	0.006	1	EPA 6010D	02/16/2022 10:51	02/16/2022 17:16	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**0.012**		mg/L	0.006	1	EPA 6010D	02/16/2022 10:51	02/16/2022 17:16	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	*** Selenium**	**0.045**		mg/L	0.028	1	EPA 6010D	02/16/2022 10:51	02/16/2022 17:16	RTH
							Certifications: CTDOH			
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D	02/16/2022 10:51	02/16/2022 17:16	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

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	02/11/2022 19:38	02/11/2022 19:38	AA
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	1	EPA 7196A	02/10/2022 22:08	02/10/2022 22:44	MAO
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analytical Batch Summary

Batch ID: BB21780 **Preparation Method:** Analysis Preparation **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
22B0466-01	TMW-1	02/10/22
22B0466-02	TMW-2	02/10/22
22B0466-03	TMW-3	02/10/22
BB21780-BLK1	Blank	02/10/22
BB21780-BS1	LCS	02/10/22
BB21780-DUP1	Duplicate	02/10/22
BB21780-MS1	Matrix Spike	02/10/22

Batch ID: BB21794 **Preparation Method:** EPA 5030B **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
22B0466-01	TMW-1	02/11/22
22B0466-02	TMW-2	02/11/22
22B0466-03	TMW-3	02/11/22
BB21794-BLK1	Blank	02/11/22
BB21794-BS1	LCS	02/11/22
BB21794-BSD1	LCS Dup	02/11/22

Batch ID: BB21851 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22B0466-01	TMW-1	02/11/22
22B0466-02	TMW-2	02/11/22
22B0466-03	TMW-3	02/11/22
BB21851-BLK1	Blank	02/11/22
BB21851-BS1	LCS	02/11/22
BB21851-BS2	LCS	02/11/22

Batch ID: BB21870 **Preparation Method:** EPA 5030B **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
22B0466-02RE1	TMW-2	02/14/22
BB21870-BLK1	Blank	02/14/22
BB21870-BS1	LCS	02/14/22
BB21870-BSD1	LCS Dup	02/14/22

Batch ID: BB22034 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0466-01	TMW-1	02/16/22
22B0466-02	TMW-2	02/16/22
22B0466-03	TMW-3	02/16/22
BB22034-BLK1	Blank	02/16/22

BB22034-BS1	LCS	02/16/22
BB22034-DUP1	Duplicate	02/16/22
BB22034-MS1	Matrix Spike	02/16/22
BB22034-PS1	Post Spike	02/16/22

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 BB21794 - EPA 5030B											
Blank (BB21794-BLK1)											Prepared & Analyzed: 02/11/2022
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	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4,5-Tetramethylbenzene	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	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Butanone	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	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	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	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	"								

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 BB21794 - EPA 5030B											
Blank (BB21794-BLK1)									Prepared & Analyzed: 02/11/2022		
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Diethylbenzene	ND	0.50	"								
p-Ethyltoluene	ND	0.50	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
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	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.8*		*"*	*10.0*		*118*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.53*		*"*	*10.0*		*95.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.52*		*"*	*10.0*		*95.2*	*79-122*				
LCS (BB21794-BS1)									Prepared & Analyzed: 02/11/2022		
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82-126				
1,1,1-Trichloroethane	12.6		"	10.0		126	78-136				
1,1,2,2-Tetrachloroethane	9.47		"	10.0		94.7	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	54-165				
1,1,2-Trichloroethane	9.89		"	10.0		98.9	82-123				
1,1-Dichloroethane	10.4		"	10.0		104	82-129				
1,1-Dichloroethylene	10.9		"	10.0		109	68-138				
1,1-Dichloropropylene	10.9		"	10.0		109	83-133				
1,2,3-Trichlorobenzene	8.56		"	10.0		85.6	76-136				
1,2,3-Trichloropropane	9.61		"	10.0		96.1	77-128				
1,2,4,5-Tetramethylbenzene	9.09		"	10.0		90.9	85-140				
1,2,4-Trichlorobenzene	8.94		"	10.0		89.4	76-137				
1,2,4-Trimethylbenzene	8.89		"	10.0		88.9	82-132				
1,2-Dibromo-3-chloropropane	8.05		"	10.0		80.5	45-147				
1,2-Dibromoethane	9.67		"	10.0		96.7	83-124				
1,2-Dichlorobenzene	9.30		"	10.0		93.0	79-123				
1,2-Dichloroethane	12.6		"	10.0		126	73-132				
1,2-Dichloropropane	9.06		"	10.0		90.6	78-126				
1,3,5-Trimethylbenzene	8.83		"	10.0		88.3	80-131				
1,3-Dichlorobenzene	8.99		"	10.0		89.9	86-122				
1,3-Dichloropropane	9.76		"	10.0		97.6	81-125				
1,4-Dichlorobenzene	9.10		"	10.0		91.0	85-124				
2,2-Dichloropropane	12.3		"	10.0		123	56-150				
2-Butanone	10.5		"	10.0		105	49-152				

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 BB21794 - EPA 5030B											
LCS (BB21794-BS1)								Prepared & Analyzed: 02/11/2022			
2-Chlorotoluene	9.02		ug/L	10.0		90.2	79-130				
2-Hexanone	7.80		"	10.0		78.0	51-146				
4-Chlorotoluene	9.22		"	10.0		92.2	79-128				
4-Methyl-2-pentanone	7.41		"	10.0		74.1	57-145				
Acetone	8.39		"	10.0		83.9	14-150				
Benzene	11.1		"	10.0		111	85-126				
Bromobenzene	8.55		"	10.0		85.5	78-129				
Bromochloromethane	10.8		"	10.0		108	77-128				
Bromodichloromethane	10.4		"	10.0		104	79-128				
Bromoform	9.07		"	10.0		90.7	78-133				
Bromomethane	6.12		"	10.0		61.2	43-168				
Carbon disulfide	11.7		"	10.0		117	68-146				
Carbon tetrachloride	12.8		"	10.0		128	77-141				
Chlorobenzene	10.5		"	10.0		105	88-120				
Chloroethane	10.9		"	10.0		109	65-136				
Chloroform	11.9		"	10.0		119	82-128				
Chloromethane	9.40		"	10.0		94.0	43-155				
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129				
cis-1,3-Dichloropropylene	9.86		"	10.0		98.6	80-131				
Dibromochloromethane	10.8		"	10.0		108	80-130				
Dibromomethane	10.3		"	10.0		103	72-134				
Dichlorodifluoromethane	12.3		"	10.0		123	44-144				
Ethyl Benzene	10.1		"	10.0		101	80-131				
Hexachlorobutadiene	8.91		"	10.0		89.1	67-146				
Isopropylbenzene	8.84		"	10.0		88.4	76-140				
Methyl tert-butyl ether (MTBE)	11.4		"	10.0		114	76-135				
Methylene chloride	9.87		"	10.0		98.7	55-137				
Naphthalene	9.14		"	10.0		91.4	70-147				
n-Butylbenzene	9.31		"	10.0		93.1	79-132				
n-Propylbenzene	8.87		"	10.0		88.7	78-133				
o-Xylene	10.5		"	10.0		105	78-130				
p- & m- Xylenes	20.6		"	20.0		103	77-133				
p-Diethylbenzene	9.20		"	10.0		92.0	84-134				
p-Ethyltoluene	8.89		"	10.0		88.9	88-129				
p-Isopropyltoluene	9.29		"	10.0		92.9	81-136				
sec-Butylbenzene	8.87		"	10.0		88.7	79-137				
Styrene	10.0		"	10.0		100	67-132				
tert-Butylbenzene	8.89		"	10.0		88.9	77-138				
Tetrachloroethylene	5.92		"	10.0		59.2	82-131	Low Bias			
Toluene	9.76		"	10.0		97.6	80-127				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	10.2		"	10.0		102	78-131				
Trichloroethylene	9.56		"	10.0		95.6	82-128				
Trichlorofluoromethane	11.9		"	10.0		119	67-139				
Vinyl Chloride	9.96		"	10.0		99.6	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.0*		*"*	*10.0*		*110*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.69*		*"*	*10.0*		*96.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.12*		*"*	*10.0*		*91.2*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21794 - EPA 5030B											
LCS Dup (BB21794-BSD1)								Prepared & Analyzed: 02/11/2022			
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126		2.34	30	
1,1,1-Trichloroethane	12.0		"	10.0		120	78-136		4.15	30	
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	76-129		6.73	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	54-165		2.03	30	
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123		3.09	30	
1,1-Dichloroethane	10.3		"	10.0		103	82-129		1.25	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		4.59	30	
1,1-Dichloropropylene	10.5		"	10.0		105	83-133		3.27	30	
1,2,3-Trichlorobenzene	8.78		"	10.0		87.8	76-136		2.54	30	
1,2,3-Trichloropropane	9.76		"	10.0		97.6	77-128		1.55	30	
1,2,4,5-Tetramethylbenzene	8.85		"	10.0		88.5	85-140		2.68	30	
1,2,4-Trichlorobenzene	8.96		"	10.0		89.6	76-137		0.223	30	
1,2,4-Trimethylbenzene	8.53		"	10.0		85.3	82-132		4.13	30	
1,2-Dibromo-3-chloropropane	8.36		"	10.0		83.6	45-147		3.78	30	
1,2-Dibromoethane	10.5		"	10.0		105	83-124		8.33	30	
1,2-Dichlorobenzene	9.40		"	10.0		94.0	79-123		1.07	30	
1,2-Dichloroethane	12.9		"	10.0		129	73-132		2.51	30	
1,2-Dichloropropane	9.18		"	10.0		91.8	78-126		1.32	30	
1,3,5-Trimethylbenzene	8.40		"	10.0		84.0	80-131		4.99	30	
1,3-Dichlorobenzene	8.77		"	10.0		87.7	86-122		2.48	30	
1,3-Dichloropropane	10.1		"	10.0		101	81-125		3.52	30	
1,4-Dichlorobenzene	9.11		"	10.0		91.1	85-124		0.110	30	
2,2-Dichloropropane	11.8		"	10.0		118	56-150		3.65	30	
2-Butanone	12.0		"	10.0		120	49-152		12.9	30	
2-Chlorotoluene	8.54		"	10.0		85.4	79-130		5.47	30	
2-Hexanone	8.40		"	10.0		84.0	51-146		7.41	30	
4-Chlorotoluene	8.71		"	10.0		87.1	79-128		5.69	30	
4-Methyl-2-pentanone	8.08		"	10.0		80.8	57-145		8.65	30	
Acetone	9.00		"	10.0		90.0	14-150		7.02	30	
Benzene	10.9		"	10.0		109	85-126		2.27	30	
Bromobenzene	8.37		"	10.0		83.7	78-129		2.13	30	
Bromochloromethane	11.3		"	10.0		113	77-128		5.16	30	
Bromodichloromethane	10.5		"	10.0		105	79-128		0.767	30	
Bromoform	9.75		"	10.0		97.5	78-133		7.23	30	
Bromomethane	6.16		"	10.0		61.6	43-168		0.651	30	
Carbon disulfide	11.0		"	10.0		110	68-146		6.69	30	
Carbon tetrachloride	12.2		"	10.0		122	77-141		4.71	30	
Chlorobenzene	10.3		"	10.0		103	88-120		2.40	30	
Chloroethane	10.3		"	10.0		103	65-136		5.67	30	
Chloroform	12.0		"	10.0		120	82-128		0.502	30	
Chloromethane	9.07		"	10.0		90.7	43-155		3.57	30	
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129		0.00	30	
cis-1,3-Dichloropropylene	9.90		"	10.0		99.0	80-131		0.405	30	
Dibromochloromethane	11.3		"	10.0		113	80-130		5.16	30	
Dibromomethane	10.8		"	10.0		108	72-134		4.28	30	
Dichlorodifluoromethane	12.0		"	10.0		120	44-144		3.13	30	
Ethyl Benzene	9.70		"	10.0		97.0	80-131		3.64	30	
Hexachlorobutadiene	8.42		"	10.0		84.2	67-146		5.65	30	
Isopropylbenzene	8.38		"	10.0		83.8	76-140		5.34	30	
Methyl tert-butyl ether (MTBE)	12.6		"	10.0		126	76-135		9.88	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 BB21794 - EPA 5030B											
LCS Dup (BB21794-BSD1)								Prepared & Analyzed: 02/11/2022			
Methylene chloride	10.0		ug/L	10.0		100	55-137		1.51	30	
Naphthalene	9.94		"	10.0		99.4	70-147		8.39	30	
n-Butylbenzene	8.68		"	10.0		86.8	79-132		7.00	30	
n-Propylbenzene	8.35		"	10.0		83.5	78-133		6.04	30	
o-Xylene	10.2		"	10.0		102	78-130		3.19	30	
p- & m- Xylenes	20.0		"	20.0		99.8	77-133		3.16	30	
p-Diethylbenzene	8.72		"	10.0		87.2	84-134		5.36	30	
p-Ethyltoluene	8.43		"	10.0		84.3	88-129	Low Bias	5.31	30	
p-Isopropyltoluene	8.76		"	10.0		87.6	81-136		5.87	30	
sec-Butylbenzene	8.24		"	10.0		82.4	79-137		7.36	30	
Styrene	9.94		"	10.0		99.4	67-132		1.00	30	
tert-Butylbenzene	8.33		"	10.0		83.3	77-138		6.50	30	
Tetrachloroethylene	5.68		"	10.0		56.8	82-131	Low Bias	4.14	30	
Toluene	9.39		"	10.0		93.9	80-127		3.86	30	
trans-1,2-Dichloroethylene	10.3		"	10.0		103	80-132		3.63	30	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131		4.05	30	
Trichloroethylene	9.37		"	10.0		93.7	82-128		2.01	30	
Trichlorofluoromethane	11.9		"	10.0		119	67-139		0.588	30	
Vinyl Chloride	9.65		"	10.0		96.5	58-145		3.16	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.4*		*"*	*10.0*		*114*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.58*		*"*	*10.0*		*95.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.10*		*"*	*10.0*		*91.0*	*79-122*				
Batch BB21870 - EPA 5030B											
Blank (BB21870-BLK1)								Prepared & Analyzed: 02/14/2022			
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	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4,5-Tetramethylbenzene	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	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Butanone	ND	0.50	"								
2-Chlorotoluene	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
Batch BB21870 - EPA 5030B											
Blank (BB21870-BLK1)											
2-Hexanone	ND	0.50	ug/L								
4-Chlorotoluene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	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	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	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 tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	1.2	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Diethylbenzene	ND	0.50	"								
p-Ethyltoluene	ND	0.50	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
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	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.5*		*"*	*10.0*		*115*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.60*		*"*	*10.0*		*96.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.40*		*"*	*10.0*		*94.0*	*79-122*				

Prepared & Analyzed: 02/14/2022

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 BB21870 - EPA 5030B											
LCS (BB21870-BS1)								Prepared & Analyzed: 02/14/2022			
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126				
1,1,1-Trichloroethane	12.7		"	10.0		127	78-136				
1,1,2,2-Tetrachloroethane	9.04		"	10.0		90.4	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.5		"	10.0		115	54-165				
1,1,2-Trichloroethane	9.57		"	10.0		95.7	82-123				
1,1-Dichloroethane	10.8		"	10.0		108	82-129				
1,1-Dichloroethylene	11.3		"	10.0		113	68-138				
1,1-Dichloropropylene	11.0		"	10.0		110	83-133				
1,2,3-Trichlorobenzene	8.22		"	10.0		82.2	76-136				
1,2,3-Trichloropropane	9.01		"	10.0		90.1	77-128				
1,2,4,5-Tetramethylbenzene	9.06		"	10.0		90.6	85-140				
1,2,4-Trichlorobenzene	8.80		"	10.0		88.0	76-137				
1,2,4-Trimethylbenzene	8.84		"	10.0		88.4	82-132				
1,2-Dibromo-3-chloropropane	7.70		"	10.0		77.0	45-147				
1,2-Dibromoethane	9.53		"	10.0		95.3	83-124				
1,2-Dichlorobenzene	9.08		"	10.0		90.8	79-123				
1,2-Dichloroethane	12.4		"	10.0		124	73-132				
1,2-Dichloropropane	9.05		"	10.0		90.5	78-126				
1,3,5-Trimethylbenzene	8.78		"	10.0		87.8	80-131				
1,3-Dichlorobenzene	8.87		"	10.0		88.7	86-122				
1,3-Dichloropropane	9.38		"	10.0		93.8	81-125				
1,4-Dichlorobenzene	8.92		"	10.0		89.2	85-124				
2,2-Dichloropropane	13.3		"	10.0		133	56-150				
2-Butanone	11.1		"	10.0		111	49-152				
2-Chlorotoluene	8.98		"	10.0		89.8	79-130				
2-Hexanone	7.55		"	10.0		75.5	51-146				
4-Chlorotoluene	9.25		"	10.0		92.5	79-128				
4-Methyl-2-pentanone	7.18		"	10.0		71.8	57-145				
Acetone	5.24		"	10.0		52.4	14-150				
Benzene	11.4		"	10.0		114	85-126				
Bromobenzene	8.36		"	10.0		83.6	78-129				
Bromochloromethane	11.0		"	10.0		110	77-128				
Bromodichloromethane	10.4		"	10.0		104	79-128				
Bromoform	9.21		"	10.0		92.1	78-133				
Bromomethane	7.33		"	10.0		73.3	43-168				
Carbon disulfide	12.2		"	10.0		122	68-146				
Carbon tetrachloride	13.3		"	10.0		133	77-141				
Chlorobenzene	10.4		"	10.0		104	88-120				
Chloroethane	10.8		"	10.0		108	65-136				
Chloroform	12.3		"	10.0		123	82-128				
Chloromethane	9.02		"	10.0		90.2	43-155				
cis-1,2-Dichloroethylene	11.3		"	10.0		113	83-129				
cis-1,3-Dichloropropylene	9.62		"	10.0		96.2	80-131				
Dibromochloromethane	10.7		"	10.0		107	80-130				
Dibromomethane	9.82		"	10.0		98.2	72-134				
Dichlorodifluoromethane	11.1		"	10.0		111	44-144				
Ethyl Benzene	10.0		"	10.0		100	80-131				
Hexachlorobutadiene	9.20		"	10.0		92.0	67-146				
Isopropylbenzene	8.90		"	10.0		89.0	76-140				
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	76-135				

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 BB21870 - EPA 5030B											
LCS (BB21870-BS1)							Prepared & Analyzed: 02/14/2022				
Methylene chloride	9.46		ug/L	10.0		94.6	55-137				
Naphthalene	8.82		"	10.0		88.2	70-147				
n-Butylbenzene	9.25		"	10.0		92.5	79-132				
n-Propylbenzene	8.91		"	10.0		89.1	78-133				
o-Xylene	10.4		"	10.0		104	78-130				
p- & m- Xylenes	20.5		"	20.0		103	77-133				
p-Diethylbenzene	9.10		"	10.0		91.0	84-134				
p-Ethyltoluene	8.88		"	10.0		88.8	88-129				
p-Isopropyltoluene	9.15		"	10.0		91.5	81-136				
sec-Butylbenzene	8.90		"	10.0		89.0	79-137				
Styrene	10.0		"	10.0		100	67-132				
tert-Butylbenzene	8.87		"	10.0		88.7	77-138				
Tetrachloroethylene	5.86		"	10.0		58.6	82-131	Low Bias			
Toluene	9.87		"	10.0		98.7	80-127				
trans-1,2-Dichloroethylene	11.1		"	10.0		111	80-132				
trans-1,3-Dichloropropylene	10.2		"	10.0		102	78-131				
Trichloroethylene	9.73		"	10.0		97.3	82-128				
Trichlorofluoromethane	12.5		"	10.0		125	67-139				
Vinyl Chloride	10.2		"	10.0		102	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.1*		*"*	*10.0*		*111*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.59*		*"*	*10.0*		*95.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.17*		*"*	*10.0*		*91.7*	*79-122*				
LCS Dup (BB21870-BSD1)							Prepared & Analyzed: 02/14/2022				
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82-126		0.780	30	
1,1,1-Trichloroethane	12.4		"	10.0		124	78-136		2.48	30	
1,1,2,2-Tetrachloroethane	9.61		"	10.0		96.1	76-129		6.11	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1		"	10.0		111	54-165		3.27	30	
1,1,2-Trichloroethane	10.0		"	10.0		100	82-123		4.39	30	
1,1-Dichloroethane	10.5		"	10.0		105	82-129		3.09	30	
1,1-Dichloroethylene	10.9		"	10.0		109	68-138		3.71	30	
1,1-Dichloropropylene	10.9		"	10.0		109	83-133		0.639	30	
1,2,3-Trichlorobenzene	8.76		"	10.0		87.6	76-136		6.36	30	
1,2,3-Trichloropropane	9.62		"	10.0		96.2	77-128		6.55	30	
1,2,4,5-Tetramethylbenzene	8.77		"	10.0		87.7	85-140		3.25	30	
1,2,4-Trichlorobenzene	8.77		"	10.0		87.7	76-137		0.341	30	
1,2,4-Trimethylbenzene	8.48		"	10.0		84.8	82-132		4.16	30	
1,2-Dibromo-3-chloropropane	8.36		"	10.0		83.6	45-147		8.22	30	
1,2-Dibromoethane	9.83		"	10.0		98.3	83-124		3.10	30	
1,2-Dichlorobenzene	9.16		"	10.0		91.6	79-123		0.877	30	
1,2-Dichloroethane	12.8		"	10.0		128	73-132		3.25	30	
1,2-Dichloropropane	9.13		"	10.0		91.3	78-126		0.880	30	
1,3,5-Trimethylbenzene	8.32		"	10.0		83.2	80-131		5.38	30	
1,3-Dichlorobenzene	8.65		"	10.0		86.5	86-122		2.51	30	
1,3-Dichloropropane	9.82		"	10.0		98.2	81-125		4.58	30	
1,4-Dichlorobenzene	8.80		"	10.0		88.0	85-124		1.35	30	
2,2-Dichloropropane	12.6		"	10.0		126	56-150		5.26	30	
2-Butanone	12.6		"	10.0		126	49-152		12.2	30	
2-Chlorotoluene	8.56		"	10.0		85.6	79-130		4.79	30	
2-Hexanone	7.95		"	10.0		79.5	51-146		5.16	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 BB21870 - EPA 5030B											
LCS Dup (BB21870-BSD1)								Prepared & Analyzed: 02/14/2022			
4-Chlorotoluene	8.83		ug/L	10.0		88.3	79-128		4.65	30	
4-Methyl-2-pentanone	7.83		"	10.0		78.3	57-145		8.66	30	
Acetone	6.61		"	10.0		66.1	14-150		23.1	30	
Benzene	11.3		"	10.0		113	85-126		0.971	30	
Bromobenzene	8.28		"	10.0		82.8	78-129		0.962	30	
Bromochloromethane	11.2		"	10.0		112	77-128		1.81	30	
Bromodichloromethane	10.3		"	10.0		103	79-128		0.678	30	
Bromoform	9.81		"	10.0		98.1	78-133		6.31	30	
Bromomethane	7.61		"	10.0		76.1	43-168		3.75	30	
Carbon disulfide	11.6		"	10.0		116	68-146		5.21	30	
Carbon tetrachloride	13.0		"	10.0		130	77-141		2.51	30	
Chlorobenzene	10.3		"	10.0		103	88-120		1.64	30	
Chloroethane	10.4		"	10.0		104	65-136		4.05	30	
Chloroform	12.0		"	10.0		120	82-128		2.14	30	
Chloromethane	8.96		"	10.0		89.6	43-155		0.667	30	
cis-1,2-Dichloroethylene	11.1		"	10.0		111	83-129		1.70	30	
cis-1,3-Dichloropropylene	9.91		"	10.0		99.1	80-131		2.97	30	
Dibromochloromethane	11.1		"	10.0		111	80-130		3.68	30	
Dibromomethane	10.3		"	10.0		103	72-134		4.87	30	
Dichlorodifluoromethane	10.9		"	10.0		109	44-144		1.72	30	
Ethyl Benzene	9.78		"	10.0		97.8	80-131		2.22	30	
Hexachlorobutadiene	8.53		"	10.0		85.3	67-146		7.56	30	
Isopropylbenzene	8.51		"	10.0		85.1	76-140		4.48	30	
Methyl tert-butyl ether (MTBE)	12.4		"	10.0		124	76-135		9.76	30	
Methylene chloride	9.79		"	10.0		97.9	55-137		3.43	30	
Naphthalene	9.41		"	10.0		94.1	70-147		6.47	30	
n-Butylbenzene	8.80		"	10.0		88.0	79-132		4.99	30	
n-Propylbenzene	8.46		"	10.0		84.6	78-133		5.18	30	
o-Xylene	10.1		"	10.0		101	78-130		2.63	30	
p- & m- Xylenes	20.1		"	20.0		100	77-133		2.07	30	
p-Diethylbenzene	8.66		"	10.0		86.6	84-134		4.95	30	
p-Ethyltoluene	8.47		"	10.0		84.7	88-129	Low Bias	4.73	30	
p-Isopropyltoluene	8.85		"	10.0		88.5	81-136		3.33	30	
sec-Butylbenzene	8.45		"	10.0		84.5	79-137		5.19	30	
Styrene	9.91		"	10.0		99.1	67-132		1.30	30	
tert-Butylbenzene	8.30		"	10.0		83.0	77-138		6.64	30	
Tetrachloroethylene	5.71		"	10.0		57.1	82-131	Low Bias	2.59	30	
Toluene	9.54		"	10.0		95.4	80-127		3.40	30	
trans-1,2-Dichloroethylene	10.7		"	10.0		107	80-132		3.57	30	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	78-131		2.53	30	
Trichloroethylene	9.44		"	10.0		94.4	82-128		3.03	30	
Trichlorofluoromethane	11.9		"	10.0		119	67-139		4.43	30	
Vinyl Chloride	9.93		"	10.0		99.3	58-145		2.88	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.4*		*"*	*10.0*		*114*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.53*		*"*	*10.0*		*95.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.06*		*"*	*10.0*		*90.6*	*79-122*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22034 - EPA 3015A											
Blank (BB22034-BLK1)									Prepared & Analyzed: 02/16/2022		
Arsenic	ND	0.017	mg/L								
Barium	ND	0.028	"								
Cadmium	ND	0.003	"								
Chromium	0.006	0.006	"								
Lead	ND	0.006	"								
Selenium	ND	0.028	"								
Silver	ND	0.006	"								
LCS (BB22034-BS1)									Prepared & Analyzed: 02/16/2022		
Arsenic	2.05		mg/L	2.00		102	80-120				
Barium	2.33		"	2.00		116	80-120				
Cadmium	0.054		"	0.0500		108	80-120				
Chromium	0.238		"	0.200		119	80-120				
Lead	0.591		"	0.500		118	80-120				
Selenium	1.78		"	2.00		88.9	80-120				
Silver	0.050		"	0.0500		101	80-120				
Duplicate (BB22034-DUP1)	*Source sample: 22B0514-01 (Duplicate)								Prepared & Analyzed: 02/16/2022		
Arsenic	ND	0.017	mg/L		ND					20	
Barium	0.169	0.028	"		0.173				2.41	20	
Cadmium	ND	0.003	"		ND					20	
Chromium	ND	0.006	"		ND					20	
Lead	ND	0.006	"		ND					20	
Selenium	0.113	0.028	"		0.115				1.91	20	
Silver	ND	0.006	"		ND					20	
Matrix Spike (BB22034-MS1)	*Source sample: 22B0514-01 (Matrix Spike)								Prepared & Analyzed: 02/16/2022		
Arsenic	2.37	0.017	mg/L	2.22	ND	107	75-125				
Barium	2.62	0.028	"	2.22	0.173	110	75-125				
Cadmium	0.057	0.003	"	0.0556	ND	103	75-125				
Chromium	0.242	0.006	"	0.222	ND	109	75-125				
Lead	0.609	0.006	"	0.556	ND	110	75-125				
Selenium	2.12	0.028	"	2.22	0.115	90.3	75-125				
Silver	0.051	0.006	"	0.0556	ND	91.2	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22034 - EPA 3015A											
Post Spike (BB22034-PS1)	*Source sample: 22B0514-01 (Post Spike)							Prepared & Analyzed: 02/16/2022			
Arsenic	2.23		mg/L	2.00	-0.001	111	75-125				
Barium	2.42		"	2.00	0.156	113	75-125				
Cadmium	0.054		"	0.0500	-0.0006	108	75-125				
Chromium	0.223		"	0.200	0.004	109	75-125				
Lead	0.571		"	0.500	0.0003	114	75-125				
Selenium	1.97		"	2.00	0.104	93.5	75-125				
Silver	0.028		"	0.0500	-0.0004	55.8	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 BB21851 - EPA SW846-7470A											
Blank (BB21851-BLK1)								Prepared & Analyzed: 02/11/2022			
Mercury	ND	0.0002	mg/L								
LCS (BB21851-BS1)								Prepared & Analyzed: 02/11/2022			
Mercury	0.0020459	0.0002	mg/L	0.00200		102	80-120				
LCS (BB21851-BS2)								Prepared & Analyzed: 02/11/2022			
Mercury	0.0020767	0.0002	mg/L	0.00200		104	80-120				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21780 - Analysis Preparation											
Blank (BB21780-BLK1)								Prepared & Analyzed: 02/10/2022			
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BB21780-BS1)								Prepared & Analyzed: 02/10/2022			
Chromium, Hexavalent	0.518	0.0100	mg/L	0.500		104	80-120				
Duplicate (BB21780-DUP1)	*Source sample: 22B0499-01 (Duplicate)							Prepared & Analyzed: 02/10/2022			
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BB21780-MS1)	*Source sample: 22B0499-01 (Matrix Spike)							Prepared & Analyzed: 02/10/2022			
Chromium, Hexavalent	0.525	0.0100	mg/L	0.500	ND	105	75-125				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B0466-01	TMW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0466-02	TMW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0466-03	TMW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

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-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-CRL	The RL check for this element recovered outside of control limits.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
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-02	NON-COMPLIANT-This sample was received outside the EPA recommended holding 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 Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22B0466

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Laurel Environmental Geosciences	Company: Laurel Environmental	Company: Laurel Environmental
Address: 53 West Hills Rd., Suite #1 Huntington Station, NY	Address:	Address:
Phone: (631) 673-0612	Phone:	Phone:
Contact: Scott Yanuck	Contact: Scott Yanuck	Contact: Kathy Lobasso
E-mail: labresults@laurelenv.com	E-mail:	E-mail:

YOUR Project Number: (MO) 21-424.2435.1

YOUR Project Name: 9 North 15th Street, Brooklyn, New York

YOUR PO#:

Turn-Around Time

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

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

Michael Oliver
M Oliver

Samples Collected by: (print AND sign your name)

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

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

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
TMW-1	GW	2/9/22 11:50	8260 VOCs, 8 RCRA Metals, Hex Chrom	(3) 40mL, (2) 250mL
TMW-2	↓	12:35	↓	↓
TMW-3	↓	13:15	↓	↓

Comments:

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

Special Instruction: Field Filtered; Lab to Filter

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

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
M. Oliver/Laurel Env.	2/10/22 09:00	KBarkyork	2/10/22 10AM	KBarkyak	2/10/22 1850
Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				KBlock	2/10/22 1850 / 1.7 Degrees C

Technical Report

prepared for:

Laurel Environmental Geosciences, D.P.C.
53 W Hills Road, Suite 1
Huntington Station NY, 11746
Attention: Scott Yanuck

Report Date: 02/17/2022
Client Project ID: 9 North 15th Street, Brooklyn, New York 21-435.1
York Project (SDG) No.: 22B0468

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

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

Report Date: 02/17/2022
Client Project ID: 9 North 15th Street, Brooklyn, New York 21-435.1
York Project (SDG) No.: 22B0468

Laurel Environmental Geosciences, D.P.C.
53 W Hills Road, Suite 1
Huntington Station NY, 11746
Attention: Scott Yanuck

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 February 10, 2022 and listed below. The project was identified as your project: **9 North 15th Street, Brooklyn, New York 21-435.1**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B0468-01	SB-1 @4'	Soil	02/09/2022	02/10/2022
22B0468-02	SB-2 @5'	Soil	02/09/2022	02/10/2022
22B0468-03	SB-3 @3-4'	Soil	02/09/2022	02/10/2022
22B0468-04	UST-1 @8-9'	Soil	02/09/2022	02/10/2022
22B0468-05	UST-2 @7-8'	Soil	02/09/2022	02/10/2022
22B0468-06	UST-3 @5-6'	Soil	02/09/2022	02/10/2022

General Notes for York Project (SDG) No.: 22B0468

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

Approved By:  **Date:** 02/17/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SB-1 @4'

York Sample ID: 22B0468-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 10:00 am	02/10/2022

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		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT NELAC-NY10854,NELAC-NY12058,NJDEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
123-91-1	1,4-Dioxane	ND		ug/kg dry	79	160	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
591-78-6	2-Hexanone	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: SB-1 @4' **York Sample ID:** 22B0468-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 10:00 am	02/10/2022

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
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
67-64-1	**Acetone**	**43**		ug/kg dry	7.9	16	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
107-02-8	Acrolein	ND		ug/kg dry	7.9	16	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
107-13-1	Acrylonitrile	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
71-43-2	Benzene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
74-97-5	Bromochloromethane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
75-27-4	Bromodichloromethane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
75-25-2	Bromoform	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
74-83-9	Bromomethane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
75-15-0	Carbon disulfide	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
56-23-5	Carbon tetrachloride	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
108-90-7	Chlorobenzene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
75-00-3	Chloroethane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
67-66-3	Chloroform	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
74-87-3	Chloromethane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
110-82-7	Cyclohexane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
124-48-1	Dibromochloromethane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
74-95-3	Dibromomethane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
100-41-4	Ethyl Benzene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 13:12	BMT

Sample Information

Client Sample ID: SB-1 @4'

York Sample ID: 22B0468-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 10:00 am	02/10/2022

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
98-82-8	Isopropylbenzene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
79-20-9	Methyl acetate	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
108-87-2	Methylcyclohexane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
75-09-2	**Methylene chloride**	**39**	B	ug/kg dry	7.9	16	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
104-51-8	n-Butylbenzene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
103-65-1	n-Propylbenzene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
95-47-6	o-Xylene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	BMT
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	7.9	16	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	BMT
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
135-98-8	sec-Butylbenzene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
100-42-5	Styrene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
98-06-6	tert-Butylbenzene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
127-18-4	Tetrachloroethylene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
108-88-3	Toluene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH	BMT
79-01-6	**Trichloroethylene**	**17**		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
75-01-4	Vinyl Chloride	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
1330-20-7	Xylenes, Total	ND		ug/kg dry	12	24	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:12 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	BMT

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: SB-1 @4' **York Sample ID:** 22B0468-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 10:00 am	02/10/2022

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
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*111 %*			*77-125*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.1 %*			*85-120*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*93.3 %*			*76-130*						

Metals, RCRA

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**7.84**		mg/kg dry	1.70	1	EPA 6010D	02/11/2022 15:34	02/14/2022 17:52	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**44.3**		mg/kg dry	2.84	1	EPA 6010D	02/11/2022 15:34	02/14/2022 17:52	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.340	1	EPA 6010D	02/11/2022 15:34	02/14/2022 17:52	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**6.32**		mg/kg dry	0.567	1	EPA 6010D	02/11/2022 15:34	02/14/2022 17:52	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**118**		mg/kg dry	0.567	1	EPA 6010D	02/11/2022 15:34	02/14/2022 17:52	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.84	1	EPA 6010D	02/11/2022 15:34	02/14/2022 17:52	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.567	1	EPA 6010D	02/11/2022 15:34	02/14/2022 17:52	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.117**		mg/kg dry	0.0340	1	EPA 7473	02/14/2022 11:31	02/14/2022 14:18	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

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

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.567	1	EPA 7196A	02/11/2022 09:15	02/11/2022 16:22	JAMT
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Total Solids

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

Sample Information

Client Sample ID: SB-1 @4' **York Sample ID:** 22B0468-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 10:00 am	02/10/2022

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.1**		%	0.100	1	SM 2540G	02/14/2022 16:11	02/14/2022 19:54	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-2 @5' **York Sample ID:** 22B0468-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 10:45 am	02/10/2022

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		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	**1,2,4-Trimethylbenzene**	**450**	J	ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-2 @5' **York Sample ID:** 22B0468-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 10:45 am	02/10/2022

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
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/kg dry	7400	15000	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/kg dry	740	1500	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	740	1500	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	**cis-1,2-Dichloroethylene**	**1500**		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-2 @5' **York Sample ID:** 22B0468-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 10:45 am	02/10/2022

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
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-82-7	Cyclohexane	ND		ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	**Ethyl Benzene**	**490**	J	ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	**Hexachlorobutadiene**	**1000**		ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-20-9	Methyl acetate	ND		ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-87-2	Methylcyclohexane	ND		ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	**Methylene chloride**	**5600**	B	ug/kg dry	740	1500	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	**o-Xylene**	**740**		ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	**p- & m- Xylenes**	**2100**		ug/kg dry	740	1500	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-42-5	Styrene	ND		ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
127-18-4	**Tetrachloroethylene**	**100000**	E	ug/kg dry	740	1500	200	EPA 8260C Certifications:	02/16/2022 09:00	02/16/2022 11:55	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-88-3	**Toluene**	**660**	J	ug/kg dry	370	740	100	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 13:38	BMT CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: SB-2 @5' **York Sample ID:** 22B0468-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 10:45 am	02/10/2022

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
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH		
79-01-6	**Trichloroethylene**	**400000**	E	ug/kg dry	3700	7400	1000	EPA 8260C	02/16/2022 09:00	02/16/2022 12:21	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/kg dry	370	740	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**2900**		ug/kg dry	1100	2200	100	EPA 8260C	02/14/2022 09:00	02/14/2022 13:38	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.9 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*92.1 %*	*76-130*

Metals, RCRA

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**42.8**		mg/kg dry	1.72	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**48.7**		mg/kg dry	2.86	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**2.62**		mg/kg dry	0.344	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**141**		mg/kg dry	0.573	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**88.8**		mg/kg dry	0.573	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.86	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**0.665**		mg/kg dry	0.573	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

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

Sample Information

Client Sample ID: SB-2 @5' **York Sample ID:** 22B0468-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 10:45 am	02/10/2022

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**	**0.721**		mg/kg dry	0.0344	1	EPA 7473	02/14/2022 11:31	02/14/2022 14:27	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.573	1	EPA 7196A	02/11/2022 09:15	02/11/2022 16:22	JAMT
							Certifications:	NJDEP,CTDOH,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**	**87.3**		%	0.100	1	SM 2540G	02/14/2022 16:11	02/14/2022 19:54	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB-3 @3-4' **York Sample ID:** 22B0468-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 11:15 am	02/10/2022

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		ug/kg dry	3.3	6.6	1	EPA 8260C	02/14/2022 09:00	02/14/2022 14:05	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	02/14/2022 09:00	02/14/2022 14:05	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	02/14/2022 09:00	02/14/2022 14:05	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	02/14/2022 09:00	02/14/2022 14:05	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	02/14/2022 09:00	02/14/2022 14:05	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	02/14/2022 09:00	02/14/2022 14:05	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	02/14/2022 09:00	02/14/2022 14:05	BMT
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-3 @3-4'

York Sample ID: 22B0468-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 11:15 am	02/10/2022

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
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 NELAC-NY10854,NELAC-NY12058,NJDEP	BMT
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
123-91-1	1,4-Dioxane	ND		ug/kg dry	66	130	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
78-93-3	2-Butanone	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
591-78-6	2-Hexanone	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
67-64-1	Acetone	ND		ug/kg dry	6.6	13	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
107-02-8	Acrolein	ND		ug/kg dry	6.6	13	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
107-13-1	Acrylonitrile	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
71-43-2	Benzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
75-25-2	Bromoform	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT

Sample Information

Client Sample ID: SB-3 @3-4' **York Sample ID:** 22B0468-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 11:15 am	02/10/2022

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
74-83-9	Bromomethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
75-15-0	Carbon disulfide	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
108-90-7	Chlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
75-00-3	Chloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
67-66-3	Chloroform	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
74-87-3	Chloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
110-82-7	Cyclohexane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
79-20-9	Methyl acetate	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
108-87-2	Methylcyclohexane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
75-09-2	**Methylene chloride**	**23**	B	ug/kg dry	6.6	13	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
95-47-6	o-Xylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/14/2022 14:05	BMT

Sample Information

Client Sample ID: SB-3 @3-4' **York Sample ID:** 22B0468-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 11:15 am	02/10/2022

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
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.6	13	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/14/2022 14:05	BMT
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
100-42-5	Styrene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
108-88-3	Toluene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH	02/14/2022 14:05	BMT
79-01-6	**Trichloroethylene**	**6.2**	J	ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:05	BMT
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.8	20	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/14/2022 14:05	BMT

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*115 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.6 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*94.1 %*	*76-130*

Metals, RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**5.04**		mg/kg dry	1.66	1	EPA 6010D Certifications:	02/11/2022 15:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/14/2022 18:04	RTH
7440-39-3	**Barium**	**37.5**		mg/kg dry	2.77	1	EPA 6010D Certifications:	02/11/2022 15:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/14/2022 18:04	RTH

Sample Information

Client Sample ID: SB-3 @3-4' **York Sample ID:** 22B0468-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 11:15 am	02/10/2022

Metals, RCRA

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
7440-43-9	Cadmium	ND		mg/kg dry	0.332	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 15:34	02/14/2022 18:04	RTH
7440-47-3	**Chromium**	**15.9**		mg/kg dry	0.554	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 15:34	02/14/2022 18:04	RTH
7439-92-1	**Lead**	**53.3**		mg/kg dry	0.554	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 15:34	02/14/2022 18:04	RTH
7782-49-2	Selenium	ND		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 15:34	02/14/2022 18:04	RTH
7440-22-4	Silver	ND		mg/kg dry	0.554	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 15:34	02/14/2022 18:04	RTH

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**	**0.854**		mg/kg dry	0.0332	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/14/2022 11:31	02/14/2022 14:44	BR

Chromium, Hexavalent

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

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.554	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	02/11/2022 09:15	02/11/2022 16:22	JAMT

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.3**		%	0.100	1	SM 2540G Certifications: CTDOH	02/14/2022 16:11	02/14/2022 19:54	MEW

Sample Information

Client Sample ID: UST-1 @8-9' **York Sample ID:** 22B0468-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 12:05 pm	02/10/2022

Volatile Organics, CP-51 (formerly STARS) List

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

Sample Information

Client Sample ID: UST-1 @8-9' **York Sample ID:** 22B0468-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 12:05 pm	02/10/2022

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
71-43-2	Benzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
91-20-3	Naphthalene	ND		ug/kg dry	3.4	14	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
95-47-6	o-Xylene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	BMT
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	BMT
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
108-88-3	Toluene	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
1330-20-7	Xylenes, Total	ND		ug/kg dry	3.4	6.8	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	BMT

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*119 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.0 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*92.8 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

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
83-32-9	Acenaphthene	ND		ug/kg dry	51	100	2	EPA 8270D Certifications:	02/11/2022 13:04	02/14/2022 15:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	51	100	2	EPA 8270D Certifications:	02/11/2022 13:04	02/14/2022 15:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: UST-1 @8-9' **York Sample ID:** 22B0468-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 12:05 pm	02/10/2022

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		ug/kg dry	51	100	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	**Benzo(a)anthracene**	**250**		ug/kg dry	51	100	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**370**		ug/kg dry	51	100	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**300**		ug/kg dry	51	100	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**300**		ug/kg dry	51	100	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**310**		ug/kg dry	51	100	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**330**		ug/kg dry	51	100	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**98**	J	ug/kg dry	51	100	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**290**		ug/kg dry	51	100	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	51	100	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:15	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**320**		ug/kg dry	51	100	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**110**		ug/kg dry	51	100	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**150**		ug/kg dry	51	100	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**290**		ug/kg dry	51	100	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:15	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*39.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*43.3 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*42.1 %*	*24-116*

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**	**80.0**		%	0.100	1	SM 2540G	02/14/2022 16:11	02/14/2022 19:54	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: UST-2 @7-8' **York Sample ID:** 22B0468-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 12:50 pm	02/10/2022

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:58	BMT
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:58	BMT
71-43-2	Benzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:58	BMT
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:58	BMT
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:58	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:58	BMT
91-20-3	Naphthalene	ND		ug/kg dry	2.9	11	1	EPA 8260C Certifications:	02/14/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:58	BMT
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:58	BMT
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:58	BMT
95-47-6	o-Xylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/14/2022 14:58	BMT
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/14/2022 14:58	BMT
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:58	BMT
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:58	BMT
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:58	BMT
108-88-3	Toluene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/14/2022 14:58	BMT
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	02/14/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/14/2022 14:58	BMT

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*117 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*95.5 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

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
83-32-9	Acenaphthene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications:	02/11/2022 13:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	02/14/2022 15:52	KH

Sample Information

Client Sample ID: UST-2 @7-8' **York Sample ID:** 22B0468-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 12:50 pm	02/10/2022

Semi-Volatiles, CP-51 (formerly STARS) List

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
208-96-8	Acenaphthylene	ND		ug/kg dry	46	92	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:52	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	**Anthracene**	**190**		ug/kg dry	46	92	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:52	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
56-55-3	**Benzo(a)anthracene**	**130**		ug/kg dry	46	92	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:52	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	**Benzo(a)pyrene**	**160**		ug/kg dry	46	92	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:52	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**120**		ug/kg dry	46	92	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:52	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	**Benzo(g,h,i)perylene**	**120**		ug/kg dry	46	92	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:52	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	**Benzo(k)fluoranthene**	**120**		ug/kg dry	46	92	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:52	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**140**		ug/kg dry	46	92	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:52	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46	92	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:52	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**240**		ug/kg dry	46	92	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:52	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/kg dry	46	92	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:52	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**120**		ug/kg dry	46	92	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:52	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/kg dry	46	92	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:52	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**190**		ug/kg dry	46	92	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:52	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**210**		ug/kg dry	46	92	2	EPA 8270D	02/11/2022 13:04	02/14/2022 15:52	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*57.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*66.5 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*63.8 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.0**		%	0.100	1	SM 2540G	02/14/2022 16:11	02/14/2022 19:54	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: UST-3 @5-6' **York Sample ID:** 22B0468-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 12:20 pm	02/10/2022

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
71-43-2	Benzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
91-20-3	Naphthalene	ND		ug/kg dry	3.2	13	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 15:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
95-47-6	o-Xylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	BMT
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	BMT
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
108-88-3	Toluene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	BMT
1330-20-7	Xylenes, Total	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications:	02/14/2022 09:00	02/14/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	BMT

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*127 %*	S-HI	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*105 %*		*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.2 %*		*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

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

Sample Information

Client Sample ID: UST-3 @5-6' **York Sample ID:** 22B0468-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 12:20 pm	02/10/2022

Semi-Volatiles, CP-51 (formerly STARS) List

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
83-32-9	**Acenaphthene**	**740**		ug/kg dry	46	93	2	EPA 8270D	02/11/2022 13:04	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**520**		ug/kg dry	46	93	2	EPA 8270D	02/11/2022 13:04	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**1600**		ug/kg dry	46	93	2	EPA 8270D	02/11/2022 13:04	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	**Benzo(a)anthracene**	**3700**	J	ug/kg dry	2300	4600	100	EPA 8270D	02/11/2022 13:04	02/15/2022 11:34	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**4100**	J	ug/kg dry	2300	4600	100	EPA 8270D	02/11/2022 13:04	02/15/2022 11:34	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**2900**	J	ug/kg dry	2300	4600	100	EPA 8270D	02/11/2022 13:04	02/15/2022 11:34	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**2300**		ug/kg dry	46	93	2	EPA 8270D	02/11/2022 13:04	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**3500**	J	ug/kg dry	2300	4600	100	EPA 8270D	02/11/2022 13:04	02/15/2022 11:34	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**4200**	J	ug/kg dry	2300	4600	100	EPA 8270D	02/11/2022 13:04	02/15/2022 11:34	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**920**		ug/kg dry	46	93	2	EPA 8270D	02/11/2022 13:04	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**8200**		ug/kg dry	2300	4600	100	EPA 8270D	02/11/2022 13:04	02/15/2022 11:34	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**680**		ug/kg dry	46	93	2	EPA 8270D	02/11/2022 13:04	02/14/2022 18:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2700**		ug/kg dry	46	93	2	EPA 8270D	02/11/2022 13:04	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**410**		ug/kg dry	46	93	2	EPA 8270D	02/11/2022 13:04	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**6800**		ug/kg dry	2300	4600	100	EPA 8270D	02/11/2022 13:04	02/15/2022 11:34	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**8000**		ug/kg dry	2300	4600	100	EPA 8270D	02/11/2022 13:04	02/15/2022 11:34	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*47.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*49.8 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*55.0 %*	*24-116*

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

Sample Information

Client Sample ID: **UST-3 @5-6'** **York Sample ID:** **22B0468-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0468	9 North 15th Street, Brooklyn, New York 21-435.1	Soil	February 9, 2022 12:20 pm	02/10/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.7		%	0.100	1	SM 2540G	02/14/2022 16:11	02/14/2022 19:54	MEW
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BB21799 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22B0468-01	SB-1 @4'	02/11/22
22B0468-02	SB-2 @5'	02/11/22
22B0468-03	SB-3 @3-4'	02/11/22
BB21799-BLK1	Blank	02/11/22
BB21799-DUP1	Duplicate	02/11/22
BB21799-MS1	Matrix Spike	02/11/22
BB21799-SRM1	Reference	02/11/22

Batch ID: BB21823 **Preparation Method:** EPA 3546 SVOA **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0468-04	UST-1 @8-9'	02/11/22
22B0468-05	UST-2 @7-8'	02/11/22
22B0468-06	UST-3 @5-6'	02/11/22
22B0468-06RE1	UST-3 @5-6'	02/11/22
BB21823-BLK1	Blank	02/11/22
BB21823-BS1	LCS	02/11/22
BB21823-MS1	Matrix Spike	02/11/22
BB21823-MSD1	Matrix Spike Dup	02/11/22

Batch ID: BB21836 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B0468-01	SB-1 @4'	02/11/22
22B0468-02	SB-2 @5'	02/11/22
22B0468-03	SB-3 @3-4'	02/11/22
BB21836-BLK1	Blank	02/11/22
BB21836-DUP1	Duplicate	02/11/22
BB21836-MS1	Matrix Spike	02/11/22
BB21836-PS1	Post Spike	02/11/22
BB21836-SRM1	Reference	02/11/22

Batch ID: BB21859 **Preparation Method:** EPA 5035A **Prepared By:** BMT

YORK Sample ID	Client Sample ID	Preparation Date
22B0468-01	SB-1 @4'	02/14/22
22B0468-02	SB-2 @5'	02/14/22
22B0468-03	SB-3 @3-4'	02/14/22
22B0468-04	UST-1 @8-9'	02/14/22
22B0468-05	UST-2 @7-8'	02/14/22
22B0468-06	UST-3 @5-6'	02/14/22
BB21859-BLK1	Blank	02/14/22
BB21859-BLK2	Blank	02/14/22
BB21859-BS1	LCS	02/14/22

BB21859-BSD1	LCS Dup	02/14/22

Batch ID: BB21882 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0468-01	SB-1 @4'	02/14/22
22B0468-02	SB-2 @5'	02/14/22
22B0468-03	SB-3 @3-4'	02/14/22
BB21882-BLK1	Blank	02/14/22
BB21882-DUP1	Duplicate	02/14/22
BB21882-MS1	Matrix Spike	02/14/22
BB21882-SRM1	Reference	02/14/22

Batch ID: BB21914 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22B0468-01	SB-1 @4'	02/14/22
22B0468-02	SB-2 @5'	02/14/22
22B0468-03	SB-3 @3-4'	02/14/22
22B0468-04	UST-1 @8-9'	02/14/22
22B0468-05	UST-2 @7-8'	02/14/22
22B0468-06	UST-3 @5-6'	02/14/22
BB21914-DUP1	Duplicate	02/14/22

Batch ID: BB21959 **Preparation Method:** EPA 5035A **Prepared By:** BMT

YORK Sample ID	Client Sample ID	Preparation Date
22B0468-02RE1	SB-2 @5'	02/16/22
22B0468-02RE2	SB-2 @5'	02/16/22
BB21959-BLK1	Blank	02/16/22
BB21959-BLK2	Blank	02/16/22
BB21959-BS1	LCS	02/16/22
BB21959-BSD1	LCS Dup	02/16/22
BB21959-MS1	Matrix Spike	02/16/22
BB21959-MSD1	Matrix Spike Dup	02/16/22

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 BB21859 - EPA 5035A											
Blank (BB21859-BLK1)											Prepared & Analyzed: 02/14/2022
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								

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
Batch BB21859 - EPA 5035A											
Blank (BB21859-BLK1)											Prepared & Analyzed: 02/14/2022
Isopropylbenzene	ND	5.0	ug/kg wet								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	17	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p- & m- Xylenes	ND	5.0	"								
p-Isopropyltoluene	ND	5.0	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*56.7*		*ug/L*	*50.0*		*113*	*77-125*				
Surrogate: SURR: 1,2-Dichloroethane-d4	*56.7*		*"*	*50.0*		*113*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.8*		*"*	*50.0*		*97.7*	*85-120*				
Surrogate: SURR: Toluene-d8	*48.8*		*"*	*50.0*		*97.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*45.6*		*"*	*50.0*		*91.2*	*76-130*				
Surrogate: SURR: p-Bromofluorobenzene	*45.6*		*"*	*50.0*		*91.2*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21859 - EPA 5035A											
Blank (BB21859-BLK2)											Prepared & Analyzed: 02/14/2022
1,1,1,2-Tetrachloroethane	ND	500	ug/kg wet								
1,1,1-Trichloroethane	ND	500	"								
1,1,2,2-Tetrachloroethane	ND	500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	500	"								
1,1,2-Trichloroethane	ND	500	"								
1,1-Dichloroethane	ND	500	"								
1,1-Dichloroethylene	ND	500	"								
1,2,3-Trichlorobenzene	ND	500	"								
1,2,3-Trichloropropane	ND	500	"								
1,2,4-Trichlorobenzene	ND	500	"								
1,2,4-Trimethylbenzene	ND	500	"								
1,2,4-Trimethylbenzene	ND	500	"								
1,2-Dibromo-3-chloropropane	ND	500	"								
1,2-Dibromoethane	ND	500	"								
1,2-Dichlorobenzene	ND	500	"								
1,2-Dichloroethane	ND	500	"								
1,2-Dichloropropane	ND	500	"								
1,3,5-Trimethylbenzene	ND	500	"								
1,3,5-Trimethylbenzene	ND	500	"								
1,3-Dichlorobenzene	ND	500	"								
1,4-Dichlorobenzene	ND	500	"								
1,4-Dioxane	ND	10000	"								
2-Butanone	ND	500	"								
2-Hexanone	ND	500	"								
4-Methyl-2-pentanone	ND	500	"								
Acetone	ND	1000	"								
Acrolein	ND	1000	"								
Acrylonitrile	ND	500	"								
Benzene	ND	500	"								
Benzene	ND	500	"								
Bromochloromethane	ND	500	"								
Bromodichloromethane	ND	500	"								
Bromoform	ND	500	"								
Bromomethane	ND	500	"								
Carbon disulfide	ND	500	"								
Carbon tetrachloride	ND	500	"								
Chlorobenzene	ND	500	"								
Chloroethane	ND	500	"								
Chloroform	ND	500	"								
Chloromethane	ND	500	"								
cis-1,2-Dichloroethylene	ND	500	"								
cis-1,3-Dichloropropylene	ND	500	"								
Cyclohexane	ND	500	"								
Dibromochloromethane	ND	500	"								
Dibromomethane	ND	500	"								
Dichlorodifluoromethane	ND	500	"								
Ethyl Benzene	ND	500	"								
Ethyl Benzene	ND	500	"								
Hexachlorobutadiene	ND	500	"								
Isopropylbenzene	ND	500	"								

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 BB21859 - EPA 5035A											
Blank (BB21859-BLK2)											Prepared & Analyzed: 02/14/2022
Isopropylbenzene	ND	500	ug/kg wet								
Methyl acetate	ND	500	"								
Methyl tert-butyl ether (MTBE)	ND	500	"								
Methyl tert-butyl ether (MTBE)	ND	500	"								
Methylcyclohexane	ND	500	"								
Methylene chloride	4000	1000	"								
Naphthalene	ND	1000	"								
n-Butylbenzene	ND	500	"								
n-Butylbenzene	ND	500	"								
n-Propylbenzene	ND	500	"								
n-Propylbenzene	ND	500	"								
o-Xylene	ND	500	"								
o-Xylene	ND	500	"								
p- & m- Xylenes	ND	500	"								
p- & m- Xylenes	ND	1000	"								
p-Isopropyltoluene	ND	500	"								
p-Isopropyltoluene	ND	500	"								
sec-Butylbenzene	ND	500	"								
sec-Butylbenzene	ND	500	"								
Styrene	ND	500	"								
tert-Butyl alcohol (TBA)	ND	500	"								
tert-Butylbenzene	ND	500	"								
tert-Butylbenzene	ND	500	"								
Tetrachloroethylene	ND	500	"								
Toluene	ND	500	"								
Toluene	ND	500	"								
trans-1,2-Dichloroethylene	ND	500	"								
trans-1,3-Dichloropropylene	ND	500	"								
trans-1,4-dichloro-2-butene	ND	500	"								
Trichloroethylene	ND	500	"								
Trichlorofluoromethane	ND	500	"								
Vinyl Chloride	ND	500	"								
Xylenes, Total	ND	1500	"								
Xylenes, Total	ND	500	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*58.0*		*ug/L*	*50.0*		*116*	*77-125*				
Surrogate: SURR: 1,2-Dichloroethane-d4	*58.0*		*"*	*50.0*		*116*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.1*		*"*	*50.0*		*96.3*	*85-120*				
Surrogate: SURR: Toluene-d8	*48.1*		*"*	*50.0*		*96.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*45.9*		*"*	*50.0*		*91.9*	*76-130*				
Surrogate: SURR: p-Bromofluorobenzene	*45.9*		*"*	*50.0*		*91.9*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21859 - EPA 5035A											
LCS (BB21859-BS1)							Prepared & Analyzed: 02/14/2022				
1,1,1,2-Tetrachloroethane	58		ug/L	50.0		115	75-129				
1,1,1-Trichloroethane	60		"	50.0		119	71-137				
1,1,2,2-Tetrachloroethane	47		"	50.0		94.5	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47		"	50.0		93.4	58-146				
1,1,2-Trichloroethane	50		"	50.0		100	83-123				
1,1-Dichloroethane	51		"	50.0		101	75-130				
1,1-Dichloroethylene	55		"	50.0		109	64-137				
1,2,3-Trichlorobenzene	58		"	50.0		115	81-140				
1,2,3-Trichloropropane	53		"	50.0		105	81-126				
1,2,4-Trichlorobenzene	59		"	50.0		118	80-141				
1,2,4-Trimethylbenzene	53		"	50.0		106	84-125				
1,2,4-Trimethylbenzene	53		"	50.0		106	84-125				
1,2-Dibromo-3-chloropropane	51		"	50.0		101	74-142				
1,2-Dibromoethane	54		"	50.0		108	86-123				
1,2-Dichlorobenzene	53		"	50.0		107	85-122				
1,2-Dichloroethane	60		"	50.0		120	71-133				
1,2-Dichloropropane	46		"	50.0		92.6	81-122				
1,3,5-Trimethylbenzene	52		"	50.0		104	82-126				
1,3,5-Trimethylbenzene	52		"	50.0		104	82-126				
1,3-Dichlorobenzene	54		"	50.0		107	84-124				
1,4-Dichlorobenzene	54		"	50.0		108	84-124				
1,4-Dioxane	1800		"	1050		174	10-228				
2-Butanone	49		"	50.0		97.3	58-147				
2-Hexanone	44		"	50.0		87.3	70-139				
4-Methyl-2-pentanone	46		"	50.0		91.9	72-132				
Acetone	35		"	50.0		70.3	36-155				
Acrolein	30		"	50.0		60.1	10-238				
Acrylonitrile	46		"	50.0		91.4	66-141				
Benzene	51		"	50.0		102	77-127				
Benzene	51		"	50.0		102	77-127				
Bromochloromethane	47		"	50.0		93.3	74-129				
Bromodichloromethane	55		"	50.0		111	81-124				
Bromoform	57		"	50.0		114	80-136				
Bromomethane	53		"	50.0		105	32-177				
Carbon disulfide	61		"	50.0		122	10-136				
Carbon tetrachloride	63		"	50.0		126	66-143				
Chlorobenzene	55		"	50.0		111	86-120				
Chloroethane	47		"	50.0		94.5	51-142				
Chloroform	56		"	50.0		112	76-131				
Chloromethane	38		"	50.0		76.8	49-132				
cis-1,2-Dichloroethylene	51		"	50.0		103	74-132				
cis-1,3-Dichloropropylene	49		"	50.0		98.1	81-129				
Cyclohexane	44		"	50.0		87.5	70-130				
Dibromochloromethane	54		"	50.0		108	10-200				
Dibromomethane	52		"	50.0		104	83-124				
Dichlorodifluoromethane	47		"	50.0		93.9	28-158				
Ethyl Benzene	55		"	50.0		110	84-125				
Ethyl Benzene	55		"	50.0		110	84-125				
Hexachlorobutadiene	59		"	50.0		118	83-133				
Isopropylbenzene	53		"	50.0		106	81-127				

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 BB21859 - EPA 5035A											
LCS (BB21859-BS1)							Prepared & Analyzed: 02/14/2022				
Isopropylbenzene	53		ug/L	50.0		106	81-127				
Methyl acetate	41		"	50.0		82.5	41-143				
Methyl tert-butyl ether (MTBE)	55		"	50.0		109	74-131				
Methyl tert-butyl ether (MTBE)	55		"	50.0		109	74-131				
Methylcyclohexane	46		"	50.0		92.5	70-130				
Methylene chloride	55		"	50.0		110	57-141				
Naphthalene	54		"	50.0		109	86-141				
n-Butylbenzene	52		"	50.0		104	80-130				
n-Butylbenzene	52		"	50.0		104	80-130				
n-Propylbenzene	50		"	50.0		101	74-136				
n-Propylbenzene	50		"	50.0		101	74-136				
o-Xylene	58		"	50.0		117	83-123				
o-Xylene	58		"	50.0		117	83-123				
p- & m- Xylenes	110		"	100		107	82-128				
p- & m- Xylenes	110		"	100		107	82-128				
p-Isopropyltoluene	55		"	50.0		110	85-125				
p-Isopropyltoluene	55		"	50.0		110	85-125				
sec-Butylbenzene	52		"	50.0		103	83-125				
sec-Butylbenzene	52		"	50.0		103	83-125				
Styrene	56		"	50.0		112	86-126				
tert-Butyl alcohol (TBA)	280		"	250		112	70-130				
tert-Butylbenzene	54		"	50.0		107	80-127				
tert-Butylbenzene	54		"	50.0		107	80-127				
Tetrachloroethylene	50		"	50.0		99.0	80-129				
Toluene	52		"	50.0		104	85-121				
Toluene	52		"	50.0		104	85-121				
trans-1,2-Dichloroethylene	53		"	50.0		106	72-132				
trans-1,3-Dichloropropylene	50		"	50.0		99.8	78-132				
trans-1,4-dichloro-2-butene	48		"	50.0		95.9	75-135				
Trichloroethylene	52		"	50.0		104	84-123				
Trichlorofluoromethane	58		"	50.0		116	62-140				
Vinyl Chloride	42		"	50.0		84.5	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*56.7*		*"*	*50.0*		*113*	*77-125*				
Surrogate: SURR: 1,2-Dichloroethane-d4	*56.7*		*"*	*50.0*		*113*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.1*		*"*	*50.0*		*98.2*	*85-120*				
Surrogate: SURR: Toluene-d8	*49.1*		*"*	*50.0*		*98.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*45.9*		*"*	*50.0*		*91.8*	*76-130*				
Surrogate: SURR: p-Bromofluorobenzene	*45.9*		*"*	*50.0*		*91.8*	*76-130*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21859 - EPA 5035A											
LCS Dup (BB21859-BSD1)							Prepared & Analyzed: 02/14/2022				
1,1,1,2-Tetrachloroethane	57		ug/L	50.0		114	75-129		0.836	30	
1,1,1-Trichloroethane	60		"	50.0		119	71-137		0.0336	30	
1,1,2,2-Tetrachloroethane	46		"	50.0		92.6	79-129		2.03	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	44		"	50.0		88.3	58-146		5.61	30	
1,1,2-Trichloroethane	50		"	50.0		101	83-123		0.755	30	
1,1-Dichloroethane	51		"	50.0		102	75-130		0.434	30	
1,1-Dichloroethylene	45		"	50.0		89.9	64-137		19.4	30	
1,2,3-Trichlorobenzene	56		"	50.0		112	81-140		2.34	30	
1,2,3-Trichloropropane	53		"	50.0		107	81-126		1.68	30	
1,2,4-Trichlorobenzene	57		"	50.0		115	80-141		2.76	30	
1,2,4-Trimethylbenzene	53		"	50.0		106	84-125		0.207	30	
1,2,4-Trimethylbenzene	53		"	50.0		106	84-125		0.207	30	
1,2-Dibromo-3-chloropropane	54		"	50.0		109	74-142		7.23	30	
1,2-Dibromoethane	54		"	50.0		108	86-123		0.0740	30	
1,2-Dichlorobenzene	53		"	50.0		106	85-122		0.808	30	
1,2-Dichloroethane	60		"	50.0		119	71-133		0.834	30	
1,2-Dichloropropane	46		"	50.0		92.3	81-122		0.368	30	
1,3,5-Trimethylbenzene	52		"	50.0		104	82-126		0.326	30	
1,3,5-Trimethylbenzene	52		"	50.0		104	82-126		0.326	30	
1,3-Dichlorobenzene	54		"	50.0		107	84-124		0.112	30	
1,4-Dichlorobenzene	54		"	50.0		107	84-124		0.409	30	
1,4-Dioxane	1800		"	1050		174	10-228		0.0351	30	
2-Butanone	47		"	50.0		94.9	58-147		2.44	30	
2-Hexanone	43		"	50.0		86.7	70-139		0.621	30	
4-Methyl-2-pentanone	46		"	50.0		91.4	72-132		0.567	30	
Acetone	35		"	50.0		69.8	36-155		0.771	30	
Acrolein	28		"	50.0		56.7	10-238		5.68	30	
Acrylonitrile	48		"	50.0		95.3	66-141		4.16	30	
Benzene	51		"	50.0		102	77-127		0.275	30	
Benzene	51		"	50.0		102	77-127		0.275	30	
Bromochloromethane	46		"	50.0		92.8	74-129		0.559	30	
Bromodichloromethane	55		"	50.0		111	81-124		0.180	30	
Bromoform	57		"	50.0		114	80-136		0.404	30	
Bromomethane	53		"	50.0		107	32-177		1.40	30	
Carbon disulfide	61		"	50.0		122	10-136		0.262	30	
Carbon tetrachloride	63		"	50.0		126	66-143		0.317	30	
Chlorobenzene	55		"	50.0		110	86-120		0.742	30	
Chloroethane	48		"	50.0		95.0	51-142		0.528	30	
Chloroform	56		"	50.0		113	76-131		0.463	30	
Chloromethane	38		"	50.0		76.7	49-132		0.104	30	
cis-1,2-Dichloroethylene	52		"	50.0		103	74-132		0.252	30	
cis-1,3-Dichloropropylene	49		"	50.0		97.8	81-129		0.327	30	
Cyclohexane	44		"	50.0		87.6	70-130		0.0228	30	
Dibromochloromethane	53		"	50.0		106	10-200		1.27	30	
Dibromomethane	52		"	50.0		103	83-124		0.542	30	
Dichlorodifluoromethane	47		"	50.0		94.3	28-158		0.404	30	
Ethyl Benzene	55		"	50.0		110	84-125		0.382	30	
Ethyl Benzene	55		"	50.0		110	84-125		0.382	30	
Hexachlorobutadiene	59		"	50.0		117	83-133		0.460	30	
Isopropylbenzene	53		"	50.0		106	81-127		0.376	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 BB21859 - EPA 5035A											
LCS Dup (BB21859-BSD1)								Prepared & Analyzed: 02/14/2022			
Isopropylbenzene	53		ug/L	50.0		106	81-127		0.376	30	
Methyl acetate	42		"	50.0		83.2	41-143		0.869	30	
Methyl tert-butyl ether (MTBE)	55		"	50.0		110	74-131		0.857	30	
Methyl tert-butyl ether (MTBE)	55		"	50.0		110	74-131		0.857	30	
Methylcyclohexane	46		"	50.0		92.1	70-130		0.498	30	
Methylene chloride	57		"	50.0		115	57-141		3.93	30	
Naphthalene	54		"	50.0		107	86-141		1.21	30	
n-Butylbenzene	52		"	50.0		103	80-130		1.02	30	
n-Butylbenzene	52		"	50.0		103	80-130		1.02	30	
n-Propylbenzene	50		"	50.0		101	74-136		0.357	30	
n-Propylbenzene	50		"	50.0		101	74-136		0.357	30	
o-Xylene	58		"	50.0		116	83-123		0.841	30	
o-Xylene	58		"	50.0		116	83-123		0.841	30	
p- & m- Xylenes	110		"	100		107	82-128		0.701	30	
p- & m- Xylenes	110		"	100		107	82-128		0.701	30	
p-Isopropyltoluene	55		"	50.0		109	85-125		0.347	30	
p-Isopropyltoluene	55		"	50.0		109	85-125		0.347	30	
sec-Butylbenzene	52		"	50.0		103	83-125		0.193	30	
sec-Butylbenzene	52		"	50.0		103	83-125		0.193	30	
Styrene	56		"	50.0		111	86-126		0.860	30	
tert-Butyl alcohol (TBA)	290		"	250		114	70-130		1.84	30	
tert-Butylbenzene	54		"	50.0		108	80-127		0.261	30	
tert-Butylbenzene	54		"	50.0		108	80-127		0.261	30	
Tetrachloroethylene	49		"	50.0		98.2	80-129		0.832	30	
Toluene	52		"	50.0		103	85-121		0.541	30	
Toluene	52		"	50.0		103	85-121		0.541	30	
trans-1,2-Dichloroethylene	53		"	50.0		106	72-132		0.132	30	
trans-1,3-Dichloropropylene	50		"	50.0		99.4	78-132		0.341	30	
trans-1,4-dichloro-2-butene	48		"	50.0		95.1	75-135		0.838	30	
Trichloroethylene	52		"	50.0		104	84-123		0.0192	30	
Trichlorofluoromethane	58		"	50.0		116	62-140		0.206	30	
Vinyl Chloride	43		"	50.0		85.6	52-130		1.34	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*56.6*		*"*	*50.0*		*113*	*77-125*				
Surrogate: SURR: 1,2-Dichloroethane-d4	*56.6*		*"*	*50.0*		*113*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.1*		*"*	*50.0*		*98.2*	*85-120*				
Surrogate: SURR: Toluene-d8	*49.1*		*"*	*50.0*		*98.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*45.9*		*"*	*50.0*		*91.9*	*76-130*				
Surrogate: SURR: p-Bromofluorobenzene	*45.9*		*"*	*50.0*		*91.9*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21959 - EPA 5035A											
Blank (BB21959-BLK1)											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	7.2	10	"								

Prepared & Analyzed: 02/16/2022

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 BB21959 - EPA 5035A											
Blank (BB21959-BLK1)											Prepared & Analyzed: 02/16/2022
n-Butylbenzene	ND	5.0	ug/kg wet								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*57.0*		*ug/L*	*50.0*		*114*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.1*		*"*	*50.0*		*96.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*46.0*		*"*	*50.0*		*91.9*	*76-130*				
Blank (BB21959-BLK2)											Prepared & Analyzed: 02/16/2022
1,1,1,2-Tetrachloroethane	ND	500	ug/kg wet								
1,1,1-Trichloroethane	ND	500	"								
1,1,2,2-Tetrachloroethane	ND	500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	500	"								
1,1,2-Trichloroethane	ND	500	"								
1,1-Dichloroethane	ND	500	"								
1,1-Dichloroethylene	ND	500	"								
1,2,3-Trichlorobenzene	ND	500	"								
1,2,3-Trichloropropane	ND	500	"								
1,2,4-Trichlorobenzene	ND	500	"								
1,2,4-Trimethylbenzene	ND	500	"								
1,2-Dibromo-3-chloropropane	ND	500	"								
1,2-Dibromoethane	ND	500	"								
1,2-Dichlorobenzene	ND	500	"								
1,2-Dichloroethane	ND	500	"								
1,2-Dichloropropane	ND	500	"								
1,3,5-Trimethylbenzene	ND	500	"								
1,3-Dichlorobenzene	ND	500	"								
1,4-Dichlorobenzene	ND	500	"								
1,4-Dioxane	ND	10000	"								
2-Butanone	ND	500	"								
2-Hexanone	ND	500	"								
4-Methyl-2-pentanone	ND	500	"								
Acetone	ND	1000	"								
Acrolein	ND	1000	"								
Acrylonitrile	ND	500	"								
Benzene	ND	500	"								

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 BB21959 - EPA 5035A											
Blank (BB21959-BLK2)											
Prepared & Analyzed: 02/16/2022											
Bromochloromethane	ND	500	ug/kg wet								
Bromodichloromethane	ND	500	"								
Bromoform	ND	500	"								
Bromomethane	ND	500	"								
Carbon disulfide	ND	500	"								
Carbon tetrachloride	ND	500	"								
Chlorobenzene	ND	500	"								
Chloroethane	ND	500	"								
Chloroform	ND	500	"								
Chloromethane	ND	500	"								
cis-1,2-Dichloroethylene	ND	500	"								
cis-1,3-Dichloropropylene	ND	500	"								
Cyclohexane	ND	500	"								
Dibromochloromethane	ND	500	"								
Dibromomethane	ND	500	"								
Dichlorodifluoromethane	ND	500	"								
Ethyl Benzene	ND	500	"								
Hexachlorobutadiene	ND	500	"								
Isopropylbenzene	ND	500	"								
Methyl acetate	ND	500	"								
Methyl tert-butyl ether (MTBE)	ND	500	"								
Methylcyclohexane	ND	500	"								
Methylene chloride	620	1000	"								
n-Butylbenzene	ND	500	"								
n-Propylbenzene	ND	500	"								
o-Xylene	ND	500	"								
p- & m- Xylenes	ND	1000	"								
p-Isopropyltoluene	ND	500	"								
sec-Butylbenzene	ND	500	"								
Styrene	ND	500	"								
tert-Butyl alcohol (TBA)	ND	500	"								
tert-Butylbenzene	ND	500	"								
Tetrachloroethylene	ND	500	"								
Toluene	ND	500	"								
trans-1,2-Dichloroethylene	ND	500	"								
trans-1,3-Dichloropropylene	ND	500	"								
trans-1,4-dichloro-2-butene	ND	500	"								
Trichloroethylene	ND	500	"								
Trichlorofluoromethane	ND	500	"								
Vinyl Chloride	ND	500	"								
Xylenes, Total	ND	1500	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*58.2*		*ug/L*	*50.0*		*116*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.1*		*"*	*50.0*		*96.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*46.1*		*"*	*50.0*		*92.2*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21959 - EPA 5035A											
LCS (BB21959-BS1)							Prepared & Analyzed: 02/16/2022				
1,1,1,2-Tetrachloroethane	57		ug/L	50.0		114	75-129				
1,1,1-Trichloroethane	59		"	50.0		118	71-137				
1,1,2,2-Tetrachloroethane	46		"	50.0		92.5	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52		"	50.0		105	58-146				
1,1,2-Trichloroethane	50		"	50.0		99.2	83-123				
1,1-Dichloroethane	50		"	50.0		99.9	75-130				
1,1-Dichloroethylene	55		"	50.0		109	64-137				
1,2,3-Trichlorobenzene	56		"	50.0		113	81-140				
1,2,3-Trichloropropane	53		"	50.0		105	81-126				
1,2,4-Trichlorobenzene	57		"	50.0		114	80-141				
1,2,4-Trimethylbenzene	52		"	50.0		105	84-125				
1,2-Dibromo-3-chloropropane	48		"	50.0		96.9	74-142				
1,2-Dibromoethane	54		"	50.0		107	86-123				
1,2-Dichlorobenzene	53		"	50.0		105	85-122				
1,2-Dichloroethane	59		"	50.0		119	71-133				
1,2-Dichloropropane	45		"	50.0		89.5	81-122				
1,3,5-Trimethylbenzene	51		"	50.0		103	82-126				
1,3-Dichlorobenzene	53		"	50.0		106	84-124				
1,4-Dichlorobenzene	53		"	50.0		106	84-124				
1,4-Dioxane	1800		"	1050		168	10-228				
2-Butanone	48		"	50.0		96.3	58-147				
2-Hexanone	43		"	50.0		86.4	70-139				
4-Methyl-2-pentanone	46		"	50.0		91.6	72-132				
Acetone	36		"	50.0		71.5	36-155				
Acrolein	37		"	50.0		73.2	10-238				
Acrylonitrile	46		"	50.0		92.8	66-141				
Benzene	51		"	50.0		101	77-127				
Bromochloromethane	46		"	50.0		91.3	74-129				
Bromodichloromethane	54		"	50.0		107	81-124				
Bromoform	56		"	50.0		113	80-136				
Bromomethane	51		"	50.0		103	32-177				
Carbon disulfide	59		"	50.0		119	10-136				
Carbon tetrachloride	63		"	50.0		126	66-143				
Chlorobenzene	55		"	50.0		110	86-120				
Chloroethane	46		"	50.0		91.7	51-142				
Chloroform	56		"	50.0		112	76-131				
Chloromethane	35		"	50.0		70.4	49-132				
cis-1,2-Dichloroethylene	51		"	50.0		102	74-132				
cis-1,3-Dichloropropylene	48		"	50.0		96.6	81-129				
Cyclohexane	43		"	50.0		85.7	70-130				
Dibromochloromethane	53		"	50.0		106	10-200				
Dibromomethane	51		"	50.0		101	83-124				
Dichlorodifluoromethane	38		"	50.0		76.7	28-158				
Ethyl Benzene	54		"	50.0		108	84-125				
Hexachlorobutadiene	58		"	50.0		115	83-133				
Isopropylbenzene	52		"	50.0		105	81-127				
Methyl acetate	41		"	50.0		81.8	41-143				
Methyl tert-butyl ether (MTBE)	54		"	50.0		109	74-131				
Methylcyclohexane	45		"	50.0		89.8	70-130				
Methylene chloride	54		"	50.0		108	57-141				

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 BB21959 - EPA 5035A											
LCS (BB21959-BS1)							Prepared & Analyzed: 02/16/2022				
n-Butylbenzene	51		ug/L	50.0		102	80-130				
n-Propylbenzene	50		"	50.0		99.1	74-136				
o-Xylene	57		"	50.0		114	83-123				
p- & m- Xylenes	110		"	100		105	82-128				
p-Isopropyltoluene	54		"	50.0		108	85-125				
sec-Butylbenzene	51		"	50.0		102	83-125				
Styrene	55		"	50.0		111	86-126				
tert-Butyl alcohol (TBA)	270		"	250		110	70-130				
tert-Butylbenzene	53		"	50.0		106	80-127				
Tetrachloroethylene	49		"	50.0		98.0	80-129				
Toluene	51		"	50.0		102	85-121				
trans-1,2-Dichloroethylene	52		"	50.0		104	72-132				
trans-1,3-Dichloropropylene	48		"	50.0		97.0	78-132				
trans-1,4-dichloro-2-butene	47		"	50.0		94.0	75-135				
Trichloroethylene	51		"	50.0		102	84-123				
Trichlorofluoromethane	56		"	50.0		112	62-140				
Vinyl Chloride	39		"	50.0		78.9	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*56.7*		*"*	*50.0*		*113*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.5*		*"*	*50.0*		*97.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*45.6*		*"*	*50.0*		*91.2*	*76-130*				
LCS Dup (BB21959-BSD1)							Prepared & Analyzed: 02/16/2022				
1,1,1,2-Tetrachloroethane	57		ug/L	50.0		115	75-129		0.560	30	
1,1,1-Trichloroethane	60		"	50.0		120	71-137		1.29	30	
1,1,2,2-Tetrachloroethane	47		"	50.0		94.2	79-129		1.82	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0		107	58-146		1.82	30	
1,1,2-Trichloroethane	51		"	50.0		101	83-123		2.19	30	
1,1-Dichloroethane	50		"	50.0		101	75-130		0.678	30	
1,1-Dichloroethylene	55		"	50.0		110	64-137		0.909	30	
1,2,3-Trichlorobenzene	57		"	50.0		114	81-140		1.02	30	
1,2,3-Trichloropropane	53		"	50.0		106	81-126		0.738	30	
1,2,4-Trichlorobenzene	58		"	50.0		115	80-141		0.888	30	
1,2,4-Trimethylbenzene	52		"	50.0		104	84-125		0.306	30	
1,2-Dibromo-3-chloropropane	52		"	50.0		104	74-142		6.66	30	
1,2-Dibromoethane	54		"	50.0		108	86-123		0.706	30	
1,2-Dichlorobenzene	52		"	50.0		104	85-122		0.592	30	
1,2-Dichloroethane	60		"	50.0		119	71-133		0.336	30	
1,2-Dichloropropane	45		"	50.0		89.8	81-122		0.312	30	
1,3,5-Trimethylbenzene	52		"	50.0		103	82-126		0.175	30	
1,3-Dichlorobenzene	53		"	50.0		106	84-124		0.528	30	
1,4-Dichlorobenzene	53		"	50.0		106	84-124		0.246	30	
1,4-Dioxane	1800		"	1050		175	10-228		4.05	30	
2-Butanone	52		"	50.0		103	58-147		7.19	30	
2-Hexanone	43		"	50.0		86.6	70-139		0.231	30	
4-Methyl-2-pentanone	46		"	50.0		92.1	72-132		0.501	30	
Acetone	36		"	50.0		71.3	36-155		0.252	30	
Acrolein	39		"	50.0		77.2	10-238		5.35	30	
Acrylonitrile	47		"	50.0		94.4	66-141		1.75	30	
Benzene	51		"	50.0		103	77-127		1.65	30	
Bromochloromethane	46		"	50.0		92.3	74-129		1.15	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 BB21959 - EPA 5035A											
LCS Dup (BB21959-BSD1)								Prepared & Analyzed: 02/16/2022			
Bromodichloromethane	54		ug/L	50.0		109	81-124		1.20	30	
Bromoform	58		"	50.0		115	80-136		2.02	30	
Bromomethane	52		"	50.0		103	32-177		0.292	30	
Carbon disulfide	60		"	50.0		120	10-136		0.856	30	
Carbon tetrachloride	64		"	50.0		128	66-143		1.63	30	
Chlorobenzene	55		"	50.0		110	86-120		0.0911	30	
Chloroethane	46		"	50.0		91.5	51-142		0.196	30	
Chloroform	56		"	50.0		113	76-131		0.587	30	
Chloromethane	36		"	50.0		71.3	49-132		1.30	30	
cis-1,2-Dichloroethylene	52		"	50.0		104	74-132		1.64	30	
cis-1,3-Dichloropropylene	48		"	50.0		96.5	81-129		0.124	30	
Cyclohexane	44		"	50.0		87.3	70-130		1.85	30	
Dibromochloromethane	52		"	50.0		105	10-200		0.950	30	
Dibromomethane	51		"	50.0		102	83-124		0.472	30	
Dichlorodifluoromethane	39		"	50.0		78.6	28-158		2.52	30	
Ethyl Benzene	54		"	50.0		109	84-125		0.239	30	
Hexachlorobutadiene	58		"	50.0		116	83-133		0.518	30	
Isopropylbenzene	53		"	50.0		105	81-127		0.0571	30	
Methyl acetate	42		"	50.0		83.7	41-143		2.27	30	
Methyl tert-butyl ether (MTBE)	55		"	50.0		110	74-131		1.21	30	
Methylcyclohexane	46		"	50.0		91.2	70-130		1.52	30	
Methylene chloride	57		"	50.0		114	57-141		5.65	30	
n-Butylbenzene	51		"	50.0		102	80-130		0.177	30	
n-Propylbenzene	50		"	50.0		99.1	74-136		0.0807	30	
o-Xylene	57		"	50.0		115	83-123		0.628	30	
p- & m- Xylenes	110		"	100		105	82-128		0.228	30	
p-Isopropyltoluene	54		"	50.0		107	85-125		0.223	30	
sec-Butylbenzene	51		"	50.0		102	83-125		0.450	30	
Styrene	55		"	50.0		111	86-126		0.235	30	
tert-Butyl alcohol (TBA)	290		"	250		116	70-130		5.23	30	
tert-Butylbenzene	53		"	50.0		106	80-127		0.113	30	
Tetrachloroethylene	49		"	50.0		98.7	80-129		0.671	30	
Toluene	51		"	50.0		103	85-121		0.919	30	
trans-1,2-Dichloroethylene	53		"	50.0		105	72-132		0.973	30	
trans-1,3-Dichloropropylene	49		"	50.0		98.3	78-132		1.41	30	
trans-1,4-dichloro-2-butene	48		"	50.0		95.1	75-135		1.14	30	
Trichloroethylene	52		"	50.0		104	84-123		1.28	30	
Trichlorofluoromethane	56		"	50.0		112	62-140		0.0896	30	
Vinyl Chloride	40		"	50.0		80.3	52-130		1.83	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*56.9*		*"*	*50.0*		*114*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.5*		*"*	*50.0*		*96.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*45.6*		*"*	*50.0*		*91.3*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21959 - EPA 5035A											
Matrix Spike (BB21959-MS1)	*Source sample: 22B0592-01 (Matrix Spike)							Prepared & Analyzed: 02/16/2022			
1,1,1,2-Tetrachloroethane	48		ug/L	50.0	0.0	95.3	15-161				
1,1,1-Trichloroethane	50		"	50.0	0.0	101	42-145				
1,1,2,2-Tetrachloroethane	0.0		"	50.0	0.0		16-167	Low Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	41		"	50.0	0.0	82.2	11-160				
1,1,2-Trichloroethane	41		"	50.0	0.0	82.4	44-145				
1,1-Dichloroethane	45		"	50.0	0.0	89.7	46-142				
1,1-Dichloroethylene	47		"	50.0	0.0	94.5	30-153				
1,2,3-Trichlorobenzene	36		"	50.0	0.0	72.2	10-157				
1,2,3-Trichloropropane	42		"	50.0	0.0	84.5	38-155				
1,2,4-Trichlorobenzene	38		"	50.0	0.0	75.7	10-151				
1,2,4-Trimethylbenzene	41		"	50.0	0.0	81.7	10-170				
1,2-Dibromo-3-chloropropane	34		"	50.0	0.0	68.9	36-138				
1,2-Dibromoethane	44		"	50.0	0.0	87.0	40-142				
1,2-Dichlorobenzene	40		"	50.0	0.0	79.8	10-147				
1,2-Dichloroethane	50		"	50.0	0.0	99.7	48-133				
1,2-Dichloropropane	41		"	50.0	0.0	81.9	47-141				
1,3,5-Trimethylbenzene	41		"	50.0	0.0	81.1	10-150				
1,3-Dichlorobenzene	39		"	50.0	0.0	78.6	10-144				
1,4-Dichlorobenzene	39		"	50.0	0.0	78.3	10-160				
1,4-Dioxane	1500		"	1050	0.0	142	10-191				
2-Butanone	39		"	50.0	0.0	77.3	10-189				
2-Hexanone	32		"	50.0	0.0	63.5	10-181				
4-Methyl-2-pentanone	36		"	50.0	0.0	72.1	10-166				
Acetone	33		"	50.0	7.3	51.2	10-196				
Acrolein	1.0		"	50.0	0.0	2.08	10-192	Low Bias			
Acrylonitrile	34		"	50.0	0.0	67.8	13-161				
Benzene	46		"	50.0	0.0	91.2	43-139				
Bromochloromethane	40		"	50.0	0.0	79.9	38-145				
Bromodichloromethane	45		"	50.0	0.0	89.9	38-147				
Bromoform	41		"	50.0	0.0	82.9	29-156				
Bromomethane	45		"	50.0	0.0	89.9	10-166				
Carbon disulfide	47		"	50.0	0.0	94.0	10-131				
Carbon tetrachloride	50		"	50.0	0.0	101	35-145				
Chlorobenzene	45		"	50.0	0.0	90.5	21-154				
Chloroethane	41		"	50.0	0.0	81.4	15-160				
Chloroform	49		"	50.0	0.0	98.2	47-142				
Chloromethane	34		"	50.0	0.0	68.3	10-159				
cis-1,2-Dichloroethylene	45		"	50.0	0.0	89.4	42-144				
cis-1,3-Dichloropropylene	40		"	50.0	0.0	79.9	18-159				
Cyclohexane	35		"	50.0	0.0	69.1	70-130	Low Bias			
Dibromochloromethane	41		"	50.0	0.0	82.0	10-179				
Dibromomethane	42		"	50.0	0.0	84.0	47-143				
Dichlorodifluoromethane	33		"	50.0	0.0	66.4	10-145				
Ethyl Benzene	44		"	50.0	0.0	88.2	11-158				
Hexachlorobutadiene	34		"	50.0	0.0	67.5	10-158				
Isopropylbenzene	43		"	50.0	0.0	85.3	10-162				
Methyl acetate	10		"	50.0	0.0	20.0	10-149				
Methyl tert-butyl ether (MTBE)	48		"	50.0	0.0	96.2	42-152				
Methylcyclohexane	33		"	50.0	0.0	65.9	70-130	Low Bias			
Methylene chloride	48		"	50.0	8.0	79.8	28-151				

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 BB21959 - EPA 5035A											
Matrix Spike (BB21959-MS1)	*Source sample: 22B0592-01 (Matrix Spike)							Prepared & Analyzed: 02/16/2022			
n-Butylbenzene	35		ug/L	50.0	0.0	69.0	10-162				
n-Propylbenzene	38		"	50.0	0.0	76.7	10-155				
o-Xylene	47		"	50.0	0.0	94.4	10-158				
p- & m- Xylenes	83		"	100	0.0	83.4	10-156				
p-Isopropyltoluene	40		"	50.0	0.0	79.1	10-147				
sec-Butylbenzene	38		"	50.0	0.0	76.8	10-157				
Styrene	45		"	50.0	0.0	89.1	13-171				
tert-Butyl alcohol (TBA)	230		"	250	0.0	90.3	34-179				
tert-Butylbenzene	42		"	50.0	0.0	84.0	10-160				
Tetrachloroethylene	38		"	50.0	0.0	76.3	30-167				
Toluene	44		"	50.0	0.0	87.5	21-160				
trans-1,2-Dichloroethylene	45		"	50.0	0.0	89.4	29-153				
trans-1,3-Dichloropropylene	38		"	50.0	0.0	76.9	18-155				
trans-1,4-dichloro-2-butene	36		"	50.0	0.0	72.9	17-154				
Trichloroethylene	75		"	50.0	0.0	151	24-169				
Trichlorofluoromethane	45		"	50.0	0.0	89.4	35-142				
Vinyl Chloride	36		"	50.0	0.0	72.7	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.0*		*"*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.9*		*"*	*50.0*		*97.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*46.5*		*"*	*50.0*		*93.0*	*76-130*				
Matrix Spike Dup (BB21959-MSD1)	*Source sample: 22B0592-01 (Matrix Spike Dup)							Prepared & Analyzed: 02/16/2022			
1,1,1,2-Tetrachloroethane	47		ug/L	50.0	0.0	94.1	15-161		1.27	33	
1,1,1-Trichloroethane	50		"	50.0	0.0	99.2	42-145		1.72	30	
1,1,2,2-Tetrachloroethane	6.9		"	50.0	0.0	13.9	16-167	Low Bias		56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	39		"	50.0	0.0	78.4	11-160		4.73	31	
1,1,2-Trichloroethane	42		"	50.0	0.0	84.6	44-145		2.73	40	
1,1-Dichloroethane	44		"	50.0	0.0	88.2	46-142		1.69	36	
1,1-Dichloroethylene	46		"	50.0	0.0	92.2	30-153		2.46	31	
1,2,3-Trichlorobenzene	30		"	50.0	0.0	60.3	10-157		17.8	47	
1,2,3-Trichloropropane	43		"	50.0	0.0	86.2	38-155		2.04	48	
1,2,4-Trichlorobenzene	32		"	50.0	0.0	63.7	10-151		17.2	52	
1,2,4-Trimethylbenzene	38		"	50.0	0.0	75.7	10-170		7.57	242	
1,2-Dibromo-3-chloropropane	36		"	50.0	0.0	72.3	36-138		4.90	54	
1,2-Dibromoethane	44		"	50.0	0.0	88.8	40-142		2.03	39	
1,2-Dichlorobenzene	38		"	50.0	0.0	75.8	10-147		5.09	52	
1,2-Dichloroethane	51		"	50.0	0.0	101	48-133		1.49	32	
1,2-Dichloropropane	40		"	50.0	0.0	80.6	47-141		1.62	37	
1,3,5-Trimethylbenzene	37		"	50.0	0.0	74.6	10-150		8.32	62	
1,3-Dichlorobenzene	37		"	50.0	0.0	74.0	10-144		5.97	51	
1,4-Dichlorobenzene	37		"	50.0	0.0	74.5	10-160		5.00	52	
1,4-Dioxane	1500		"	1050	0.0	139	10-191		1.87	196	
2-Butanone	40		"	50.0	0.0	80.1	10-189		3.46	67	
2-Hexanone	33		"	50.0	0.0	65.0	10-181		2.40	60	
4-Methyl-2-pentanone	37		"	50.0	0.0	73.9	10-166		2.47	47	
Acetone	34		"	50.0	7.3	53.8	10-196		4.99	150	
Acrolein	0.0		"	50.0	0.0		10-192	Low Bias		128	
Acrylonitrile	36		"	50.0	0.0	71.2	13-161		5.01	48	
Benzene	45		"	50.0	0.0	89.4	43-139		1.90	64	
Bromochloromethane	40		"	50.0	0.0	80.2	38-145		0.350	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 BB21959 - EPA 5035A											
Matrix Spike Dup (BB21959-MSD1)	*Source sample: 22B0592-01 (Matrix Spike Dup)								Prepared & Analyzed: 02/16/2022		
Bromodichloromethane	46		ug/L	50.0	0.0	91.5	38-147		1.83	37	
Bromoform	43		"	50.0	0.0	86.9	29-156		4.69	51	
Bromomethane	44		"	50.0	0.0	88.0	10-166		2.14	42	
Carbon disulfide	46		"	50.0	0.0	92.1	10-131		2.04	36	
Carbon tetrachloride	50		"	50.0	0.0	99.6	35-145		1.08	31	
Chlorobenzene	44		"	50.0	0.0	88.0	21-154		2.80	32	
Chloroethane	40		"	50.0	0.0	79.3	15-160		2.66	40	
Chloroform	49		"	50.0	0.0	97.4	47-142		0.879	29	
Chloromethane	33		"	50.0	0.0	65.0	10-159		4.95	31	
cis-1,2-Dichloroethylene	44		"	50.0	0.0	88.7	42-144		0.853	30	
cis-1,3-Dichloropropylene	40		"	50.0	0.0	79.8	18-159		0.100	39	
Cyclohexane	33		"	50.0	0.0	65.1	70-130	Low Bias	5.87	30	
Dibromochloromethane	43		"	50.0	0.0	85.9	10-179		4.69	41	
Dibromomethane	43		"	50.0	0.0	85.5	47-143		1.82	41	
Dichlorodifluoromethane	31		"	50.0	0.0	62.4	10-145		6.21	34	
Ethyl Benzene	42		"	50.0	0.0	84.4	11-158		4.43	42	
Hexachlorobutadiene	25		"	50.0	0.0	50.3	10-158		29.3	45	
Isopropylbenzene	40		"	50.0	0.0	79.2	10-162		7.41	57	
Methyl acetate	21		"	50.0	0.0	42.9	10-149		72.9	64	Non-dir.
Methyl tert-butyl ether (MTBE)	49		"	50.0	0.0	97.3	42-152		1.12	47	
Methylcyclohexane	29		"	50.0	0.0	58.7	70-130	Low Bias	11.5	30	
Methylene chloride	47		"	50.0	8.0	78.7	28-151		1.41	49	
n-Butylbenzene	30		"	50.0	0.0	59.3	10-162		15.1	96	
n-Propylbenzene	35		"	50.0	0.0	70.4	10-155		8.59	56	
o-Xylene	45		"	50.0	0.0	90.4	10-158		4.31	51	
p- & m- Xylenes	79		"	100	0.0	79.2	10-156		5.20	47	
p-Isopropyltoluene	35		"	50.0	0.0	69.6	10-147		12.8	60	
sec-Butylbenzene	34		"	50.0	0.0	67.7	10-157		12.6	56	
Styrene	43		"	50.0	0.0	86.1	13-171		3.42	39	
tert-Butyl alcohol (TBA)	240		"	250	0.0	94.2	34-179		4.31	35	
tert-Butylbenzene	38		"	50.0	0.0	76.3	10-160		9.61	79	
Tetrachloroethylene	36		"	50.0	0.0	71.8	30-167		6.08	33	
Toluene	43		"	50.0	0.0	85.3	21-160		2.52	50	
trans-1,2-Dichloroethylene	44		"	50.0	0.0	87.4	29-153		2.19	30	
trans-1,3-Dichloropropylene	39		"	50.0	0.0	78.6	18-155		2.13	30	
trans-1,4-dichloro-2-butene	37		"	50.0	0.0	74.5	17-154		2.14	30	
Trichloroethylene	69		"	50.0	0.0	137	24-169		9.21	30	
Trichlorofluoromethane	43		"	50.0	0.0	86.8	35-142		2.97	30	
Vinyl Chloride	35		"	50.0	0.0	69.7	12-160		4.13	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.0*		*"*	*50.0*		*106*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.5*		*"*	*50.0*		*97.0*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*46.4*		*"*	*50.0*		*92.7*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21823 - EPA 3546 SVOA											
Blank (BB21823-BLK1)									Prepared: 02/11/2022 Analyzed: 02/14/2022		
Acenaphthene	ND	42	ug/kg wet								
Acenaphthylene	ND	42	"								
Anthracene	ND	42	"								
Benzo(a)anthracene	ND	42	"								
Benzo(a)pyrene	ND	42	"								
Benzo(b)fluoranthene	ND	42	"								
Benzo(g,h,i)perylene	ND	42	"								
Benzo(k)fluoranthene	ND	42	"								
Chrysene	ND	42	"								
Dibenzo(a,h)anthracene	ND	42	"								
Fluoranthene	ND	42	"								
Fluorene	ND	42	"								
Indeno(1,2,3-cd)pyrene	ND	42	"								
Naphthalene	ND	42	"								
Phenanthrene	ND	42	"								
Pyrene	ND	42	"								
Surrogate: SURR: Nitrobenzene-d5	*570*		*"*	*831*		*68.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*670*		*"*	*831*		*81.2*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*740*		*"*	*831*		*88.9*	*24-116*				
LCS (BB21823-BS1)									Prepared: 02/11/2022 Analyzed: 02/14/2022		
Acenaphthene	670	42	ug/kg wet	1660		40.6	17-124				
Acenaphthylene	650	42	"	1660		38.8	16-124				
Anthracene	720	42	"	1660		43.3	24-124				
Benzo(a)anthracene	690	42	"	1660		41.8	25-134				
Benzo(a)pyrene	680	42	"	1660		40.9	29-144				
Benzo(b)fluoranthene	700	42	"	1660		42.2	20-151				
Benzo(g,h,i)perylene	850	42	"	1660		51.2	10-153				
Benzo(k)fluoranthene	710	42	"	1660		43.0	10-148				
Chrysene	700	42	"	1660		42.1	24-116				
Dibenzo(a,h)anthracene	890	42	"	1660		53.4	17-147				
Fluoranthene	670	42	"	1660		40.4	36-125				
Fluorene	670	42	"	1660		40.5	16-130				
Indeno(1,2,3-cd)pyrene	990	42	"	1660		59.5	10-155				
Naphthalene	690	42	"	1660		41.4	20-121				
Phenanthrene	680	42	"	1660		41.2	24-123				
Pyrene	710	42	"	1660		42.7	24-132				
Surrogate: SURR: Nitrobenzene-d5	*680*		*"*	*831*		*81.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*760*		*"*	*831*		*91.9*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*850*		*"*	*831*		*103*	*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 BB21823 - EPA 3546 SVOA											
Matrix Spike (BB21823-MS1)	*Source sample: 22B0458-01 (Matrix Spike)							Prepared: 02/11/2022 Analyzed: 02/14/2022			
Acenaphthene	820	91	ug/kg dry	1820	ND	45.3	13-133				
Acenaphthylene	800	91	"	1820	ND	43.8	25-125				
Anthracene	860	91	"	1820	ND	47.4	27-128				
Benzo(a)anthracene	840	91	"	1820	64	42.8	20-147				
Benzo(a)pyrene	860	91	"	1820	ND	47.2	18-153				
Benzo(b)fluoranthene	880	91	"	1820	ND	48.3	10-163				
Benzo(g,h,i)perylene	910	91	"	1820	ND	50.2	10-157				
Benzo(k)fluoranthene	890	91	"	1820	ND	49.0	10-157				
Chrysene	840	91	"	1820	80	41.7	18-133				
Dibenzo(a,h)anthracene	960	91	"	1820	ND	52.7	10-146				
Fluoranthene	900	91	"	1820	130	42.7	10-155				
Fluorene	840	91	"	1820	ND	46.4	12-150				
Indeno(1,2,3-cd)pyrene	1100	91	"	1820	ND	60.2	10-155				
Naphthalene	860	91	"	1820	ND	47.1	15-132				
Phenanthrene	830	91	"	1820	62	42.2	10-151				
Pyrene	830	91	"	1820	110	39.8	13-148				
Surrogate: SURR: Nitrobenzene-d5	*830*		*"*	*908*		*91.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*840*		*"*	*908*		*92.7*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*910*		*"*	*908*		*99.7*	*24-116*				
Matrix Spike Dup (BB21823-MSD1)	*Source sample: 22B0458-01 (Matrix Spike Dup)							Prepared: 02/11/2022 Analyzed: 02/14/2022			
Acenaphthene	760	91	ug/kg dry	1820	ND	41.9	13-133		7.89	30	
Acenaphthylene	740	91	"	1820	ND	40.8	25-125		7.19	30	
Anthracene	820	91	"	1820	ND	45.0	27-128		5.20	30	
Benzo(a)anthracene	810	91	"	1820	64	41.0	20-147		3.96	30	
Benzo(a)pyrene	840	91	"	1820	ND	46.5	18-153		1.45	30	
Benzo(b)fluoranthene	840	91	"	1820	ND	46.3	10-163		4.31	30	
Benzo(g,h,i)perylene	870	91	"	1820	ND	47.8	10-157		4.73	30	
Benzo(k)fluoranthene	860	91	"	1820	ND	47.1	10-157		3.91	30	
Chrysene	780	91	"	1820	80	38.5	18-133		7.19	30	
Dibenzo(a,h)anthracene	930	91	"	1820	ND	51.0	10-146		3.40	30	
Fluoranthene	840	91	"	1820	130	39.2	10-155		7.18	30	
Fluorene	780	91	"	1820	ND	42.8	12-150		7.99	30	
Indeno(1,2,3-cd)pyrene	1100	91	"	1820	ND	58.2	10-155		3.45	30	
Naphthalene	770	91	"	1820	ND	42.3	15-132		10.6	30	
Phenanthrene	790	91	"	1820	62	40.0	10-151		4.94	30	
Pyrene	790	91	"	1820	110	37.9	13-148		4.21	30	
Surrogate: SURR: Nitrobenzene-d5	*690*		*"*	*908*		*76.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*800*		*"*	*908*		*87.8*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*850*		*"*	*908*		*93.1*	*24-116*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21836 - EPA 3050B											
Blank (BB21836-BLK1)									Prepared: 02/11/2022 Analyzed: 02/14/2022		
Arsenic	ND	1.50	mg/kg wet								
Barium	ND	2.50	"								
Cadmium	ND	0.300	"								
Chromium	ND	0.500	"								
Lead	ND	0.500	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Duplicate (BB21836-DUP1)	*Source sample: 22B0525-01 (Duplicate)								Prepared: 02/11/2022 Analyzed: 02/14/2022		
Arsenic	2.80	1.66	mg/kg dry		3.16				12.3	35	
Barium	143	2.77	"		155				8.29	35	
Cadmium	0.720	0.333	"		0.755				4.75	35	
Chromium	46.2	0.554	"		55.6				18.5	35	
Lead	568	0.554	"		168				109	35	Non-dir.
Selenium	ND	2.77	"		ND					35	
Silver	ND	0.554	"		1.09					35	
Matrix Spike (BB21836-MS1)	*Source sample: 22B0525-01 (Matrix Spike)								Prepared: 02/11/2022 Analyzed: 02/14/2022		
Arsenic	262	1.66	mg/kg dry	222	3.16	117	75-125				
Barium	397	2.77	"	222	155	109	75-125				
Cadmium	7.20	0.333	"	5.54	0.755	116	75-125				
Chromium	165	0.554	"	22.2	55.6	494	75-125	High Bias			
Lead	640	0.554	"	55.4	168	851	75-125	High Bias			
Selenium	181	2.77	"	222	ND	81.7	75-125				
Silver	6.77	0.554	"	5.54	1.09	103	75-125				
Post Spike (BB21836-PS1)	*Source sample: 22B0525-01 (Post Spike)								Prepared: 02/11/2022 Analyzed: 02/14/2022		
Arsenic	2.53		mg/L	2.00	0.029	125	75-125				
Barium	4.22		"	2.00	1.40	141	75-125	High Bias			
Cadmium	0.074		"	0.0500	0.007	134	75-125	High Bias			
Chromium	0.817		"	0.200	0.502	157	75-125	High Bias			
Lead	2.37		"	0.500	1.51	171	75-125	High Bias			
Selenium	1.69		"	2.00	-0.444	84.4	75-125				
Silver	0.047		"	0.0500	0.010	75.1	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21836 - EPA 3050B											
Reference (BB21836-SRM1)								Prepared: 02/11/2022 Analyzed: 02/14/2022			
Arsenic	201	1.50	mg/kg wet	156		129	69.9-130.1				
Barium	322	2.50	"	239		135	74.9-124.7	High Bias			
Cadmium	170	0.300	"	137		124	75.2-124.8				
Chromium	199	0.500	"	154		129	70.1-129.9				
Lead	169	0.500	"	130		130	71.8-128.5	High Bias			
Selenium	148	2.50	"	167		88.5	67.7-132.3				
Silver	43.3	0.500	"	33.6		129	68.5-131.3				

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 BB21882 - EPA 7473 soil											
Blank (BB21882-BLK1)								Prepared & Analyzed: 02/14/2022			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BB21882-DUP1)	*Source sample: 22B0458-01 (Duplicate)							Prepared & Analyzed: 02/14/2022			
Mercury	0.0659	0.0328	mg/kg dry		0.0911				32.0	35	
Matrix Spike (BB21882-MS1)	*Source sample: 22B0458-01 (Matrix Spike)							Prepared & Analyzed: 02/14/2022			
Mercury	0.469		mg/kg	0.500	0.0833	77.2	75-125				
Reference (BB21882-SRM1)								Prepared & Analyzed: 02/14/2022			
Mercury	19.470		mg/kg	27.2		71.6	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21799 - EPA SW846-3060											
Blank (BB21799-BLK1)								Prepared & Analyzed: 02/11/2022			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BB21799-DUP1)	*Source sample: 22B0461-01 (Duplicate)							Prepared & Analyzed: 02/11/2022			
Chromium, Hexavalent	ND	0.668	mg/kg dry		ND					35	
Matrix Spike (BB21799-MS1)	*Source sample: 22B0461-01 (Matrix Spike)							Prepared & Analyzed: 02/11/2022			
Chromium, Hexavalent	16.4	0.668	mg/kg dry	26.7	ND	61.4	75-125	Low Bias			
Reference (BB21799-SRM1)								Prepared & Analyzed: 02/11/2022			
Chromium, Hexavalent	69.0		mg/L	109		63.3	30-169.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21914 - % Solids Prep											
Duplicate (BB21914-DUP1)	*Source sample: 22B0485-01 (Duplicate)								Prepared & Analyzed: 02/14/2022		
% Solids	79.0	0.100	%		79.1				0.160	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B0468-01	SB-1 @4'	40mL Vial with Stir Bar-Cool 4° C
22B0468-02	SB-2 @5'	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
22B0468-03	SB-3 @3-4'	40mL Vial with Stir Bar-Cool 4° C
22B0468-04	UST-1 @8-9'	40mL Vial with Stir Bar-Cool 4° C
22B0468-05	UST-2 @7-8'	40mL Vial with Stir Bar-Cool 4° C
22B0468-06	UST-3 @5-6'	40mL Vial with Stir Bar-Cool 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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
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.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
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 Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 225068

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Laurel Environmental Geosciences	Company: Laurel Environmental	Company: Laurel Environmental
Address: 53 West Hills Rd., Suite #1 Huntington Station, NY	Address:	Address:
Phone.: (631) 673-0612	Phone.:	Phone.:
Contact: Scott Yanuck	Contact: Scott Yanuck	Contact: Kathy Lobasso
E-mail: labresults@laurelenv.com	E-mail:	E-mail:

YOUR Project Number: (MQ) 21-~~429.2~~ 435.1

YOUR Project Name: 9 North 15th Street, Brooklyn, New York

YOUR PO#:

Turn-Around Time

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

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

Michael Oliver
M Oliver

Samples Collected by: (print AND sign your name)

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

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

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB-1 @ 4'	S	2/9/22 10:00	8260 VOCs, 8 RCRA Metals, & Hex Chrom	(4) Voa's, (2) 2oz
SB-2 @ 5'		10:45		
SB-3 @ 3-4'		11:15		
UST-1 @ 8-9'		12:05	8260 VOCs [CP-51], 8270 SVOCs [CP-51]	(MQ) ~~(3) 40mL~~, (1) 4oz
UST-2 @ 7-8'		12:50		(4) Voa's
UST-3 @ 5-6'		12:20		

Comments:

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

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

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
M Oliver/Laurel Env.	2/10/22 09:00	KBarbyork	2/10/22 10AM	KBarbyork	2/10/22 1850
Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					2/10/22 1850 / 1.7 Degrees C

Technical Report

prepared for:

Laurel Environmental Geosciences, D.P.C.
53 W Hills Road, Suite 1
Huntington Station NY, 11746
Attention: Scott Yanuck

Report Date: 02/17/2022
Client Project ID: 9 North 15t Street, Brooklyn, New York 21-435.1
York Project (SDG) No.: 22B0481

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

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

Report Date: 02/17/2022
Client Project ID: 9 North 15t Street, Brooklyn, New York 21-435.1
York Project (SDG) No.: 22B0481

Laurel Environmental Geosciences, D.P.C.
53 W Hills Road, Suite 1
Huntington Station NY, 11746
Attention: Scott Yanuck

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 February 10, 2022 and listed below. The project was identified as your project: **9 North 15t Street, Brooklyn, New York 21-435.1**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B0481-01	SS-1	Soil Vapor	02/09/2022	02/10/2022
22B0481-02	IA-1	Indoor Ambient Air	02/09/2022	02/10/2022
22B0481-03	SS-2	Soil Vapor	02/09/2022	02/10/2022
22B0481-04	IA-2	Indoor Ambient Air	02/09/2022	02/10/2022
22B0481-05	OA-1	Outdoor Ambient Ai	02/09/2022	02/10/2022

General Notes for York Project (SDG) No.: 22B0481

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

Approved By:  **Date:** 02/17/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SS-1 **York Sample ID:** 22B0481-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0481	9 North 15t Street, Brooklyn, New York 21-435.1	Soil Vapor	February 9, 2022 10:40 am	02/10/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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/m³	5.8	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:			
71-55-6	**1,1,1-Trichloroethane**	**590**		ug/m³	4.6	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	5.8	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	6.5	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	4.6	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	**1,1-Dichloroethane**	**6.8**		ug/m³	3.4	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.84	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	6.3	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	4.2	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	6.5	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	5.1	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	3.4	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	3.9	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	5.9	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	4.2	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	5.6	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	5.1	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	3.9	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	5.1	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	6.1	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**4.2**		ug/m³	2.5	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	6.9	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:			

Sample Information

Client Sample ID: SS-1 **York Sample ID:** 22B0481-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0481	9 North 15t Street, Brooklyn, New York 21-435.1	Soil Vapor	February 9, 2022 10:40 am	02/10/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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/m³	13	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	3.5	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
67-64-1	**Acetone**	**34**		ug/m³	4.0	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
107-13-1	Acrylonitrile	ND		ug/m³	1.8	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
71-43-2	**Benzene**	**7.6**		ug/m³	2.7	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
100-44-7	Benzyl chloride	ND		ug/m³	4.4	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
75-27-4	Bromodichloromethane	ND		ug/m³	5.7	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
75-25-2	Bromoform	ND		ug/m³	8.7	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
74-83-9	Bromomethane	ND		ug/m³	3.3	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
75-15-0	**Carbon disulfide**	**7.6**		ug/m³	2.6	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
56-23-5	**Carbon tetrachloride**	**27**		ug/m³	1.3	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
108-90-7	Chlorobenzene	ND		ug/m³	3.9	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
75-00-3	Chloroethane	ND		ug/m³	2.2	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
67-66-3	**Chloroform**	**49**		ug/m³	4.1	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
74-87-3	Chloromethane	ND		ug/m³	1.7	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
156-59-2	**cis-1,2-Dichloroethylene**	**17**		ug/m³	0.84	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	3.8	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
110-82-7	**Cyclohexane**	**4.9**		ug/m³	2.9	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
124-48-1	Dibromochloromethane	ND		ug/m³	7.2	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/m³	4.2	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
141-78-6	* Ethyl acetate	ND		ug/m³	6.1	8.45	EPA TO-15 Certifications:	02/15/2022 03:00	02/16/2022 00:25	LLJ
100-41-4	Ethyl Benzene	ND		ug/m³	3.7	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m³	9.0	8.45	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/16/2022 00:25	LLJ

Sample Information

Client Sample ID: SS-1 **York Sample ID:** 22B0481-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0481	9 North 15t Street, Brooklyn, New York 21-435.1	Soil Vapor	February 9, 2022 10:40 am	02/10/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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
67-63-0	**Isopropanol**	**11**		ug/m³	4.2	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	3.5	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	3.0	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	Methylene chloride	ND		ug/m³	5.9	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	n-Heptane	ND		ug/m³	3.5	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**4.5**		ug/m³	3.0	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	o-Xylene	ND		ug/m³	3.7	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	p- & m- Xylenes	ND		ug/m³	7.3	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	* p-Ethyltoluene	ND		ug/m³	4.2	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	1.5	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	3.6	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**51**		ug/m³	5.7	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	5.0	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications:			
108-88-3	**Toluene**	**32**		ug/m³	3.2	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	3.4	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	3.8	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**2000**		ug/m³	1.1	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	4.7	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	3.0	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	3.7	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	1.1	8.45	EPA TO-15	02/15/2022 03:00	02/16/2022 00:25	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: IA-1 **York Sample ID:** 22B0481-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0481	9 North 15t Street, Brooklyn, New York 21-435.1	Indoor Ambient Air	February 9, 2022 9:25 am	02/10/2022

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/m³	0.60	0.877	EPA TO-15 Certifications:	02/15/2022 03:00	02/15/2022 14:15	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.48	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.60	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.67	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.48	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.35	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.087	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.65	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.43	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.67	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.53	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.35	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.41	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.61	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.43	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	0.58	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.53	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.41	0.877	EPA TO-15 Certifications:	02/15/2022 03:00	02/15/2022 14:15	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.53	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	0.63	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
78-93-3	**2-Butanone**	**1.1**		ug/m³	0.26	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	0.72	0.877	EPA TO-15 Certifications:	02/15/2022 03:00	02/15/2022 14:15	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	1.4	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ

Sample Information

Client Sample ID: IA-1 **York Sample ID:** 22B0481-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0481	9 North 15t Street, Brooklyn, New York 21-435.1	Indoor Ambient Air	February 9, 2022 9:25 am	02/10/2022

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
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.36	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**6.1**		ug/m³	0.42	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.19	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**1.0**		ug/m³	0.28	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	0.45	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	0.59	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	0.91	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.34	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	Carbon disulfide	ND		ug/m³	0.27	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**0.33**		ug/m³	0.14	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	0.40	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.23	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	0.43	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	**Chloromethane**	**1.1**		ug/m³	0.18	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.087	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.40	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**0.30**		ug/m³	0.30	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	0.75	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**1.9**		ug/m³	0.43	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	0.63	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**8.8**		ug/m³	0.38	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.94	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**3.8**		ug/m³	0.43	0.877	EPA TO-15	02/15/2022 03:00	02/15/2022 14:15	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: IA-1 **York Sample ID:** 22B0481-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0481	9 North 15t Street, Brooklyn, New York 21-435.1	Indoor Ambient Air	February 9, 2022 9:25 am	02/10/2022

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
80-62-6	Methyl Methacrylate	ND		ug/m³	0.36	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.32	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
75-09-2	**Methylene chloride**	**2.4**		ug/m³	0.61	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
142-82-5	n-Heptane	ND		ug/m³	0.36	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
110-54-3	**n-Hexane**	**1.2**		ug/m³	0.31	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
95-47-6	**o-Xylene**	**9.1**		ug/m³	0.38	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
179601-23-1	**p- & m- Xylenes**	**36**		ug/m³	0.76	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.43	0.877	EPA TO-15 Certifications:	02/15/2022 03:00	02/15/2022 14:15	LLJ
115-07-1	* Propylene	ND		ug/m³	0.15	0.877	EPA TO-15 Certifications:	02/15/2022 03:00	02/15/2022 14:15	LLJ
100-42-5	**Styrene**	**0.37**		ug/m³	0.37	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
127-18-4	**Tetrachloroethylene**	**0.83**		ug/m³	0.59	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.52	0.877	EPA TO-15 Certifications:	02/15/2022 03:00	02/15/2022 14:15	LLJ
108-88-3	**Toluene**	**1.9**		ug/m³	0.33	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.35	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.40	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
79-01-6	**Trichloroethylene**	**3.2**		ug/m³	0.12	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.1**		ug/m³	0.49	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	0.31	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	0.38	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	0.11	0.877	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 14:15	LLJ

Sample Information

Client Sample ID: SS-2 **York Sample ID:** 22B0481-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0481	9 North 15t Street, Brooklyn, New York 21-435.1	Soil Vapor	February 9, 2022 10:45 am	02/10/2022

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/m³	11	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:			
71-55-6	**1,1,1-Trichloroethane**	**320**		ug/m³	8.7	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	11	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	12	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	8.7	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	**1,1-Dichloroethane**	**51**		ug/m³	6.5	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	**1,1-Dichloroethylene**	**5.1**		ug/m³	1.6	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	12	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	7.9	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	12	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	9.6	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	6.5	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	7.4	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	11	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	7.9	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	11	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	9.6	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	7.4	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	9.6	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	12	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**7.6**		ug/m³	4.7	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	13	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	25	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SS-2 **York Sample ID:** 22B0481-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0481	9 North 15t Street, Brooklyn, New York 21-435.1	Soil Vapor	February 9, 2022 10:45 am	02/10/2022

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
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	6.6	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**40**		ug/m³	7.6	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	3.5	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	**Benzene**	**46**		ug/m³	5.1	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	8.3	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	11	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	17	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	6.2	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	**Carbon disulfide**	**6.0**		ug/m³	5.0	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	**Carbon tetrachloride**	**11**		ug/m³	2.5	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	7.4	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	4.2	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	**Chloroform**	**350**		ug/m³	7.8	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	Chloromethane	ND		ug/m³	3.3	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	**cis-1,2-Dichloroethylene**	**1500**		ug/m³	1.6	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	7.3	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	**Cyclohexane**	**25**		ug/m³	5.5	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	14	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	Dichlorodifluoromethane	ND		ug/m³	7.9	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	12	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	7.0	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	17	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**15**		ug/m³	7.9	16.03	EPA TO-15	02/15/2022 03:00	02/15/2022 15:12	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: SS-2 **York Sample ID:** 22B0481-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0481	9 North 15t Street, Brooklyn, New York 21-435.1	Soil Vapor	February 9, 2022 10:45 am	02/10/2022

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
80-62-6	Methyl Methacrylate	ND		ug/m³	6.6	16.03	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 15:12	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	5.8	16.03	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 15:12	LLJ
75-09-2	Methylene chloride	ND		ug/m³	11	16.03	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 15:12	LLJ
142-82-5	n-Heptane	ND		ug/m³	6.6	16.03	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 15:12	LLJ
110-54-3	n-Hexane	ND		ug/m³	5.7	16.03	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 15:12	LLJ
95-47-6	o-Xylene	ND		ug/m³	7.0	16.03	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 15:12	LLJ
179601-23-1	**p- & m- Xylenes**	**24**		ug/m³	14	16.03	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 15:12	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m³	7.9	16.03	EPA TO-15 Certifications:	02/15/2022 03:00	02/15/2022 15:12	LLJ
115-07-1	* Propylene	ND		ug/m³	2.8	16.03	EPA TO-15 Certifications:	02/15/2022 03:00	02/15/2022 15:12	LLJ
100-42-5	Styrene	ND		ug/m³	6.8	16.03	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 15:12	LLJ
127-18-4	**Tetrachloroethylene**	**32000**		ug/m³	540	801.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/17/2022 11:14	AS
109-99-9	* Tetrahydrofuran	ND		ug/m³	9.5	16.03	EPA TO-15 Certifications:	02/15/2022 03:00	02/15/2022 15:12	LLJ
108-88-3	**Toluene**	**35**		ug/m³	6.0	16.03	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 15:12	LLJ
156-60-5	**trans-1,2-Dichloroethylene**	**36**		ug/m³	6.4	16.03	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 15:12	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	7.3	16.03	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 15:12	LLJ
79-01-6	**Trichloroethylene**	**190000**	M-BLK, B	ug/m³	110	801.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/17/2022 11:14	AS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	9.0	16.03	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 15:12	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	5.6	16.03	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 15:12	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	7.0	16.03	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 15:12	LLJ
75-01-4	**Vinyl Chloride**	**9.0**		ug/m³	2.0	16.03	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 15:12	LLJ

Sample Information

Client Sample ID: IA-2 **York Sample ID:** 22B0481-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0481	9 North 15t Street, Brooklyn, New York 21-435.1	Indoor Ambient Air	February 9, 2022 9:30 am	02/10/2022

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/m³	0.70	1.022	EPA TO-15 Certifications:	02/15/2022 03:00	02/15/2022 16:21	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.56	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.70	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.78	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.56	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.41	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.10	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.76	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.50	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 20:54	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.79	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.61	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.41	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.47	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.71	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.50	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	0.68	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.61	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.47	1.022	EPA TO-15 Certifications:	02/15/2022 03:00	02/15/2022 16:21	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.61	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	0.74	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
78-93-3	**2-Butanone**	**1.4**		ug/m³	0.30	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	0.84	1.022	EPA TO-15 Certifications:	02/15/2022 03:00	02/15/2022 16:21	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	1.6	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ

Sample Information

Client Sample ID: IA-2 **York Sample ID:** 22B0481-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0481	9 North 15t Street, Brooklyn, New York 21-435.1	Indoor Ambient Air	February 9, 2022 9:30 am	02/10/2022

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
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.42	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 16:21	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**6.3**		ug/m³	0.49	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 16:21	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.22	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 16:21	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	**Benzene**	**1.0**		ug/m³	0.33	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 20:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	0.53	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 16:21	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	0.68	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 16:21	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	1.1	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 16:21	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	0.40	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 16:21	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	Carbon disulfide	ND		ug/m³	0.32	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 16:21	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	**Carbon tetrachloride**	**0.32**		ug/m³	0.16	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 16:21	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	0.47	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 16:21	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.27	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 16:21	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	Chloroform	ND		ug/m³	0.50	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 20:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	**Chloromethane**	**1.1**		ug/m³	0.21	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 16:21	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.10	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 16:21	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.46	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 16:21	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	Cyclohexane	ND		ug/m³	0.35	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 20:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	0.87	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 16:21	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	**Dichlorodifluoromethane**	**2.1**		ug/m³	0.51	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 20:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	0.74	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 16:21	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**6.3**		ug/m³	0.44	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 20:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 16:21	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**4.5**		ug/m³	0.50	1.022	EPA TO-15	02/15/2022 03:00	02/15/2022 20:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: IA-2 **York Sample ID:** 22B0481-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0481	9 North 15t Street, Brooklyn, New York 21-435.1	Indoor Ambient Air	February 9, 2022 9:30 am	02/10/2022

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
80-62-6	Methyl Methacrylate	ND		ug/m³	0.42	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 20:54	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.37	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
75-09-2	**Methylene chloride**	**0.71**		ug/m³	0.71	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
142-82-5	**n-Heptane**	**0.75**		ug/m³	0.42	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
110-54-3	**n-Hexane**	**1.4**		ug/m³	0.36	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 20:54	LLJ
95-47-6	**o-Xylene**	**5.9**		ug/m³	0.44	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
179601-23-1	**p- & m- Xylenes**	**25**		ug/m³	0.89	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.50	1.022	EPA TO-15 Certifications:	02/15/2022 03:00	02/15/2022 20:54	LLJ
115-07-1	* Propylene	ND		ug/m³	0.18	1.022	EPA TO-15 Certifications:	02/15/2022 03:00	02/15/2022 16:21	LLJ
100-42-5	Styrene	ND		ug/m³	0.44	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
127-18-4	**Tetrachloroethylene**	**2.9**		ug/m³	0.69	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.60	1.022	EPA TO-15 Certifications:	02/15/2022 03:00	02/15/2022 16:21	LLJ
108-88-3	**Toluene**	**2.2**		ug/m³	0.39	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.41	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.46	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
79-01-6	**Trichloroethylene**	**4.2**		ug/m³	0.14	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 20:54	LLJ
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.3**		ug/m³	0.57	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 20:54	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	0.36	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	0.45	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	0.13	1.022	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/15/2022 03:00	02/15/2022 16:21	LLJ

Sample Information

Client Sample ID: **OA-1** **York Sample ID:** **22B0481-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0481	9 North 15t Street, Brooklyn, New York 21-435.1	Outdoor Ambient Air	February 9, 2022 9:20 am	02/10/2022

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/m³	0.61	0.893	EPA TO-15 Certifications:	02/15/2022 03:00	02/15/2022 17:31	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.49	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.61	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.68	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.49	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.36	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.089	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.66	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.44	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.69	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.54	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.36	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.41	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.62	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.44	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	0.59	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.54	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.41	0.893	EPA TO-15 Certifications:	02/15/2022 03:00	02/15/2022 17:31	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.54	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	0.64	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
78-93-3	**2-Butanone**	**0.97**		ug/m³	0.26	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	0.73	0.893	EPA TO-15 Certifications:	02/15/2022 03:00	02/15/2022 17:31	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	1.4	0.893	EPA TO-15 Certifications:	02/15/2022 03:00 NELAC-NY12058,NJDEP-Queens	02/15/2022 17:31	LLJ

Sample Information

Client Sample ID: OA-1 **York Sample ID:** 22B0481-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0481	9 North 15t Street, Brooklyn, New York 21-435.1	Outdoor Ambient Air	February 9, 2022 9:20 am	02/10/2022

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
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.37	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**4.5**		ug/m³	0.42	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.19	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**1.2**		ug/m³	0.29	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	0.46	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	0.60	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	0.92	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.35	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	Carbon disulfide	ND		ug/m³	0.28	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**0.34**		ug/m³	0.14	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	0.41	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.24	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	0.44	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	**Chloromethane**	**1.1**		ug/m³	0.18	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.089	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.41	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	Cyclohexane	ND		ug/m³	0.31	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	0.76	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.1**		ug/m³	0.44	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	0.64	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.39	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.95	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**2.3**		ug/m³	0.44	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: OA-1 **York Sample ID:** 22B0481-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0481	9 North 15t Street, Brooklyn, New York 21-435.1	Outdoor Ambient Air	February 9, 2022 9:20 am	02/10/2022

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
80-62-6	Methyl Methacrylate	ND		ug/m³	0.37	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.32	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**1.4**		ug/m³	0.62	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**0.44**		ug/m³	0.37	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**0.85**		ug/m³	0.31	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	o-Xylene	ND		ug/m³	0.39	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.78	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.44	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.15	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.38	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	**Tetrachloroethylene**	**4.9**		ug/m³	0.61	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.53	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:			
108-88-3	**Toluene**	**1.5**		ug/m³	0.34	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.35	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.41	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	**Trichloroethylene**	**13**		ug/m³	0.12	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.2**		ug/m³	0.50	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.31	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.39	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.11	0.893	EPA TO-15	02/15/2022 03:00	02/15/2022 17:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Analytical Batch Summary

Batch ID: BB21894 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
22B0481-01	SS-1	02/15/22
22B0481-02	IA-1	02/15/22
22B0481-03	SS-2	02/15/22
22B0481-04	IA-2	02/15/22
22B0481-05	OA-1	02/15/22
BB21894-BLK1	Blank	02/15/22
BB21894-BS1	LCS	02/15/22
BB21894-DUP1	Duplicate	02/15/22

Batch ID: BB22096 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
22B0481-03RE1	SS-2	02/15/22
BB22096-BLK1	Blank	02/16/22
BB22096-BS1	LCS	02/16/22

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 BB21894 - EPA TO15 PREP											
Blank (BB21894-BLK1)											Prepared & Analyzed: 02/15/2022
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
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	"								

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 BB21894 - EPA TO15 PREP											
Blank (BB21894-BLK1)											Prepared & Analyzed: 02/15/2022
n-Heptane	ND	0.41	ug/m³								
n-Hexane	ND	0.35	"								
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 (BB21894-BS1)											Prepared & Analyzed: 02/15/2022
1,1,1,2-Tetrachloroethane	9.62		ppbv	10.0		96.2	70-130				
1,1,1-Trichloroethane	8.92		"	10.0		89.2	70-130				
1,1,2,2-Tetrachloroethane	9.94		"	10.0		99.4	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.76		"	10.0		97.6	70-130				
1,1,2-Trichloroethane	10.1		"	10.0		101	70-130				
1,1-Dichloroethane	9.39		"	10.0		93.9	70-130				
1,1-Dichloroethylene	8.75		"	10.0		87.5	70-130				
1,2,4-Trichlorobenzene	8.16		"	10.0		81.6	70-130				
1,2,4-Trimethylbenzene	8.64		"	10.0		86.4	70-130				
1,2-Dibromoethane	10.0		"	10.0		100	70-130				
1,2-Dichlorobenzene	8.07		"	10.0		80.7	70-130				
1,2-Dichloroethane	7.98		"	10.0		79.8	70-130				
1,2-Dichloropropane	10.1		"	10.0		101	70-130				
1,2-Dichlorotetrafluoroethane	9.00		"	10.0		90.0	70-130				
1,3,5-Trimethylbenzene	8.63		"	10.0		86.3	70-130				
1,3-Butadiene	8.29		"	10.0		82.9	70-130				
1,3-Dichlorobenzene	8.39		"	10.0		83.9	70-130				
1,3-Dichloropropane	10.0		"	10.0		100	70-130				
1,4-Dichlorobenzene	8.48		"	10.0		84.8	70-130				
1,4-Dioxane	10.3		"	10.0		103	70-130				
2-Butanone	9.86		"	10.0		98.6	70-130				
2-Hexanone	8.12		"	10.0		81.2	70-130				
3-Chloropropene	10.3		"	10.0		103	70-130				
4-Methyl-2-pentanone	8.76		"	10.0		87.6	70-130				
Acetone	9.52		"	10.0		95.2	70-130				
Acrylonitrile	8.52		"	10.0		85.2	70-130				
Benzene	9.62		"	10.0		96.2	70-130				
Benzyl chloride	9.72		"	10.0		97.2	70-130				
Bromodichloromethane	9.41		"	10.0		94.1	70-130				
Bromoform	9.63		"	10.0		96.3	70-130				
Bromomethane	9.99		"	10.0		99.9	70-130				
Carbon disulfide	10.2		"	10.0		102	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 BB21894 - EPA TO15 PREP											
LCS (BB21894-BS1)								Prepared & Analyzed: 02/15/2022			
Carbon tetrachloride	8.58		ppbv	10.0		85.8	70-130				
Chlorobenzene	8.55		"	10.0		85.5	70-130				
Chloroethane	10.9		"	10.0		109	70-130				
Chloroform	9.09		"	10.0		90.9	70-130				
Chloromethane	9.06		"	10.0		90.6	70-130				
cis-1,2-Dichloroethylene	9.81		"	10.0		98.1	70-130				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	70-130				
Cyclohexane	10.8		"	10.0		108	70-130				
Dibromochloromethane	9.00		"	10.0		90.0	70-130				
Dichlorodifluoromethane	8.85		"	10.0		88.5	70-130				
Ethyl acetate	9.61		"	10.0		96.1	70-130				
Ethyl Benzene	8.85		"	10.0		88.5	70-130				
Hexachlorobutadiene	8.72		"	10.0		87.2	70-130				
Isopropanol	10.2		"	10.0		102	70-130				
Methyl Methacrylate	10.6		"	10.0		106	70-130				
Methyl tert-butyl ether (MTBE)	8.22		"	10.0		82.2	70-130				
Methylene chloride	9.27		"	10.0		92.7	70-130				
n-Heptane	10.3		"	10.0		103	70-130				
n-Hexane	10.9		"	10.0		109	70-130				
o-Xylene	8.56		"	10.0		85.6	70-130				
p- & m- Xylenes	17.2		"	20.0		86.0	70-130				
p-Ethyltoluene	9.00		"	10.0		90.0	70-130				
Propylene	10.6		"	10.0		106	70-130				
Styrene	8.89		"	10.0		88.9	70-130				
Tetrachloroethylene	9.38		"	10.0		93.8	70-130				
Tetrahydrofuran	10.4		"	10.0		104	70-130				
Toluene	9.00		"	10.0		90.0	70-130				
trans-1,2-Dichloroethylene	9.67		"	10.0		96.7	70-130				
trans-1,3-Dichloropropylene	10.1		"	10.0		101	70-130				
Trichloroethylene	8.69		"	10.0		86.9	70-130				
Trichlorofluoromethane (Freon 11)	8.79		"	10.0		87.9	70-130				
Vinyl acetate	9.01		"	10.0		90.1	70-130				
Vinyl bromide	10.3		"	10.0		103	70-130				
Vinyl Chloride	8.79		"	10.0		87.9	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 BB21894 - EPA TO15 PREP											
Duplicate (BB21894-DUP1)	*Source sample: 22B0481-05 (OA-1)								Prepared & Analyzed: 02/15/2022		
1,1,1,2-Tetrachloroethane	ND	0.61	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	0.49	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.61	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.68	"		ND					25	
1,1,2-Trichloroethane	ND	0.49	"		ND					25	
1,1-Dichloroethane	ND	0.36	"		ND					25	
1,1-Dichloroethylene	ND	0.089	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.66	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.44	"		ND					25	
1,2-Dibromoethane	ND	0.69	"		ND					25	
1,2-Dichlorobenzene	ND	0.54	"		ND					25	
1,2-Dichloroethane	ND	0.36	"		ND					25	
1,2-Dichloropropane	ND	0.41	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.62	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.44	"		ND					25	
1,3-Butadiene	ND	0.59	"		ND					25	
1,3-Dichlorobenzene	ND	0.54	"		ND					25	
1,3-Dichloropropane	ND	0.41	"		ND					25	
1,4-Dichlorobenzene	ND	0.54	"		ND					25	
1,4-Dioxane	ND	0.64	"		ND					25	
2-Butanone	1.1	0.26	"		0.97				7.79	25	
2-Hexanone	ND	0.73	"		ND					25	
3-Chloropropene	ND	1.4	"		ND					25	
4-Methyl-2-pentanone	ND	0.37	"		ND					25	
Acetone	4.6	0.42	"		4.5				0.930	25	
Acrylonitrile	ND	0.19	"		ND					25	
Benzene	1.1	0.29	"		1.2				7.23	25	
Benzyl chloride	ND	0.46	"		ND					25	
Bromodichloromethane	ND	0.60	"		ND					25	
Bromoform	ND	0.92	"		ND					25	
Bromomethane	ND	0.35	"		ND					25	
Carbon disulfide	ND	0.28	"		ND					25	
Carbon tetrachloride	0.34	0.14	"		0.34				0.00	25	
Chlorobenzene	ND	0.41	"		ND					25	
Chloroethane	ND	0.24	"		ND					25	
Chloroform	ND	0.44	"		ND					25	
Chloromethane	1.1	0.18	"		1.1				3.33	25	
cis-1,2-Dichloroethylene	ND	0.089	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.41	"		ND					25	
Cyclohexane	0.28	0.31	"		0.28				0.00	25	
Dibromochloromethane	ND	0.76	"		ND					25	
Dichlorodifluoromethane	2.1	0.44	"		2.1				0.00	25	
Ethyl acetate	0.23	0.64	"		0.23				0.00	25	
Ethyl Benzene	ND	0.39	"		ND					25	
Hexachlorobutadiene	ND	0.95	"		ND					25	
Isopropanol	2.5	0.44	"		2.3				9.01	25	
Methyl Methacrylate	0.26	0.37	"		0.26				0.00	25	
Methyl tert-butyl ether (MTBE)	ND	0.32	"		ND					25	
Methylene chloride	1.4	0.62	"		1.4				2.20	25	
n-Heptane	0.48	0.37	"		0.44				8.00	25	

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21894 - EPA TO15 PREP											
Duplicate (BB21894-DUP1)	*Source sample: 22B0481-05 (OA-1)								Prepared & Analyzed: 02/15/2022		
n-Hexane	0.85	0.31	ug/m³		0.85				0.00	25	
o-Xylene	0.23	0.39	"		0.23				0.00	25	
p- & m- Xylenes	0.62	0.78	"		0.66				6.06	25	
p-Ethyltoluene	ND	0.44	"		ND					25	
Propylene	ND	0.15	"		ND					25	
Styrene	ND	0.38	"		ND					25	
Tetrachloroethylene	4.8	0.61	"		4.9				1.24	25	
Tetrahydrofuran	0.24	0.53	"		0.37				43.5	25	Non-dir.
Toluene	1.4	0.34	"		1.5				2.30	25	
trans-1,2-Dichloroethylene	ND	0.35	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.41	"		ND					25	
Trichloroethylene	13	0.12	"		13				3.38	25	
Trichlorofluoromethane (Freon 11)	1.2	0.50	"		1.2				4.26	25	
Vinyl acetate	ND	0.31	"		ND					25	
Vinyl bromide	ND	0.39	"		ND					25	
Vinyl Chloride	ND	0.11	"		ND					25	
Batch BB22096 - EPA TO15 PREP											
Blank (BB22096-BLK1)									Prepared & Analyzed: 02/16/2022		
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
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	"								

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 BB22096 - EPA TO15 PREP											
Blank (BB22096-BLK1)											
Prepared & Analyzed: 02/16/2022											
Carbon disulfide	ND	0.31	ug/m³								
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	"								
n-Hexane	ND	0.35	"								
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	4.0	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								

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 BB22096 - EPA TO15 PREP											
LCS (BB22096-BS1)								Prepared & Analyzed: 02/16/2022			
1,1,1,2-Tetrachloroethane	9.24		ppbv	10.0		92.4	70-130				
1,1,1-Trichloroethane	8.76		"	10.0		87.6	70-130				
1,1,2,2-Tetrachloroethane	9.55		"	10.0		95.5	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.40		"	10.0		94.0	70-130				
1,1,2-Trichloroethane	9.83		"	10.0		98.3	70-130				
1,1-Dichloroethane	9.28		"	10.0		92.8	70-130				
1,1-Dichloroethylene	8.57		"	10.0		85.7	70-130				
1,2,4-Trichlorobenzene	7.85		"	10.0		78.5	70-130				
1,2,4-Trimethylbenzene	8.09		"	10.0		80.9	70-130				
1,2-Dibromoethane	9.70		"	10.0		97.0	70-130				
1,2-Dichlorobenzene	7.62		"	10.0		76.2	70-130				
1,2-Dichloroethane	7.87		"	10.0		78.7	70-130				
1,2-Dichloropropane	9.84		"	10.0		98.4	70-130				
1,2-Dichlorotetrafluoroethane	9.17		"	10.0		91.7	70-130				
1,3,5-Trimethylbenzene	8.09		"	10.0		80.9	70-130				
1,3-Butadiene	8.47		"	10.0		84.7	70-130				
1,3-Dichlorobenzene	7.89		"	10.0		78.9	70-130				
1,3-Dichloropropane	9.91		"	10.0		99.1	70-130				
1,4-Dichlorobenzene	8.02		"	10.0		80.2	70-130				
1,4-Dioxane	9.93		"	10.0		99.3	70-130				
2-Butanone	9.59		"	10.0		95.9	70-130				
2-Hexanone	7.77		"	10.0		77.7	70-130				
3-Chloropropene	10.0		"	10.0		100	70-130				
4-Methyl-2-pentanone	8.43		"	10.0		84.3	70-130				
Acetone	9.14		"	10.0		91.4	70-130				
Acrylonitrile	8.32		"	10.0		83.2	70-130				
Benzene	9.48		"	10.0		94.8	70-130				
Benzyl chloride	9.00		"	10.0		90.0	70-130				
Bromodichloromethane	8.92		"	10.0		89.2	70-130				
Bromoform	9.21		"	10.0		92.1	70-130				
Bromomethane	9.71		"	10.0		97.1	70-130				
Carbon disulfide	9.80		"	10.0		98.0	70-130				
Carbon tetrachloride	8.17		"	10.0		81.7	70-130				
Chlorobenzene	8.22		"	10.0		82.2	70-130				
Chloroethane	10.7		"	10.0		107	70-130				
Chloroform	8.98		"	10.0		89.8	70-130				
Chloromethane	9.55		"	10.0		95.5	70-130				
cis-1,2-Dichloroethylene	9.60		"	10.0		96.0	70-130				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130				
Cyclohexane	10.7		"	10.0		107	70-130				
Dibromochloromethane	8.63		"	10.0		86.3	70-130				
Dichlorodifluoromethane	8.57		"	10.0		85.7	70-130				
Ethyl acetate	9.32		"	10.0		93.2	70-130				
Ethyl Benzene	8.46		"	10.0		84.6	70-130				
Hexachlorobutadiene	8.11		"	10.0		81.1	70-130				
Isopropanol	9.71		"	10.0		97.1	70-130				
Methyl Methacrylate	10.2		"	10.0		102	70-130				
Methyl tert-butyl ether (MTBE)	8.28		"	10.0		82.8	70-130				
Methylene chloride	9.08		"	10.0		90.8	70-130				
n-Heptane	10.1		"	10.0		101	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 BB22096 - EPA TO15 PREP											
LCS (BB22096-BS1)								Prepared & Analyzed: 02/16/2022			
n-Hexane	10.7		ppbv	10.0		107	70-130				
o-Xylene	8.19		"	10.0		81.9	70-130				
p- & m- Xylenes	16.4		"	20.0		81.8	70-130				
p-Ethyltoluene	8.71		"	10.0		87.1	70-130				
Propylene	9.93		"	10.0		99.3	70-130				
Styrene	8.51		"	10.0		85.1	70-130				
Tetrachloroethylene	9.18		"	10.0		91.8	70-130				
Tetrahydrofuran	10.2		"	10.0		102	70-130				
Toluene	8.79		"	10.0		87.9	70-130				
trans-1,2-Dichloroethylene	9.52		"	10.0		95.2	70-130				
trans-1,3-Dichloropropylene	9.59		"	10.0		95.9	70-130				
Trichloroethylene	8.41		"	10.0		84.1	70-130				
Trichlorofluoromethane (Freon 11)	8.55		"	10.0		85.5	70-130				
Vinyl acetate	8.55		"	10.0		85.5	70-130				
Vinyl bromide	9.96		"	10.0		99.6	70-130				
Vinyl Chloride	8.83		"	10.0		88.3	70-130				

Sample and Data Qualifiers Relating to This Work Order

TO-VAC	The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
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.

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

Field Chain-of-Custody Record - AIR

YORK Project No. 22B0481

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

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: Laurel Environmental Geosciences	Company: Laurel Environmental	Company: Laurel Environmental
Address: 53 West Hills Rd., Suite #1 Huntington Station, NY	Address:	Address:
Phone.: (631) 673-0612	Phone.:	Phone.:
Contact: Scott Yanuck	Contact: Scott Yanuck	Contact: Kathy Labasso
E-mail: labresults@laurelenv.com	E-mail:	E-mail:

YOUR Project Number: 21-~~424.2~~ (MO) 435.1

YOUR Project Name: 9 North 15th Street, Brooklyn, New York

YOUR PO#:

Turn-Around Time

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

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

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

Michael Oliver

M Oliver

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	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

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

YORK Reg. Comp.

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

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ X ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
SS-1	2/9/22 10:40	AS	-32	-2	18297	7083	TO-15
IA-1	09:25	AI	-30	-4	28306	6877	
SS-2	10:45	AS	-30	-4	15612	7082	
IA-2	09:30	AI	-30	-6	16975	7289	
OA-1	09:20	AO	-32	-8	41940	5706	

Comments:

Detection Limits Required

≤ 1 ug/m³ ____ NYSDEC V1 Limits X
Routine Survey ____ Other ____

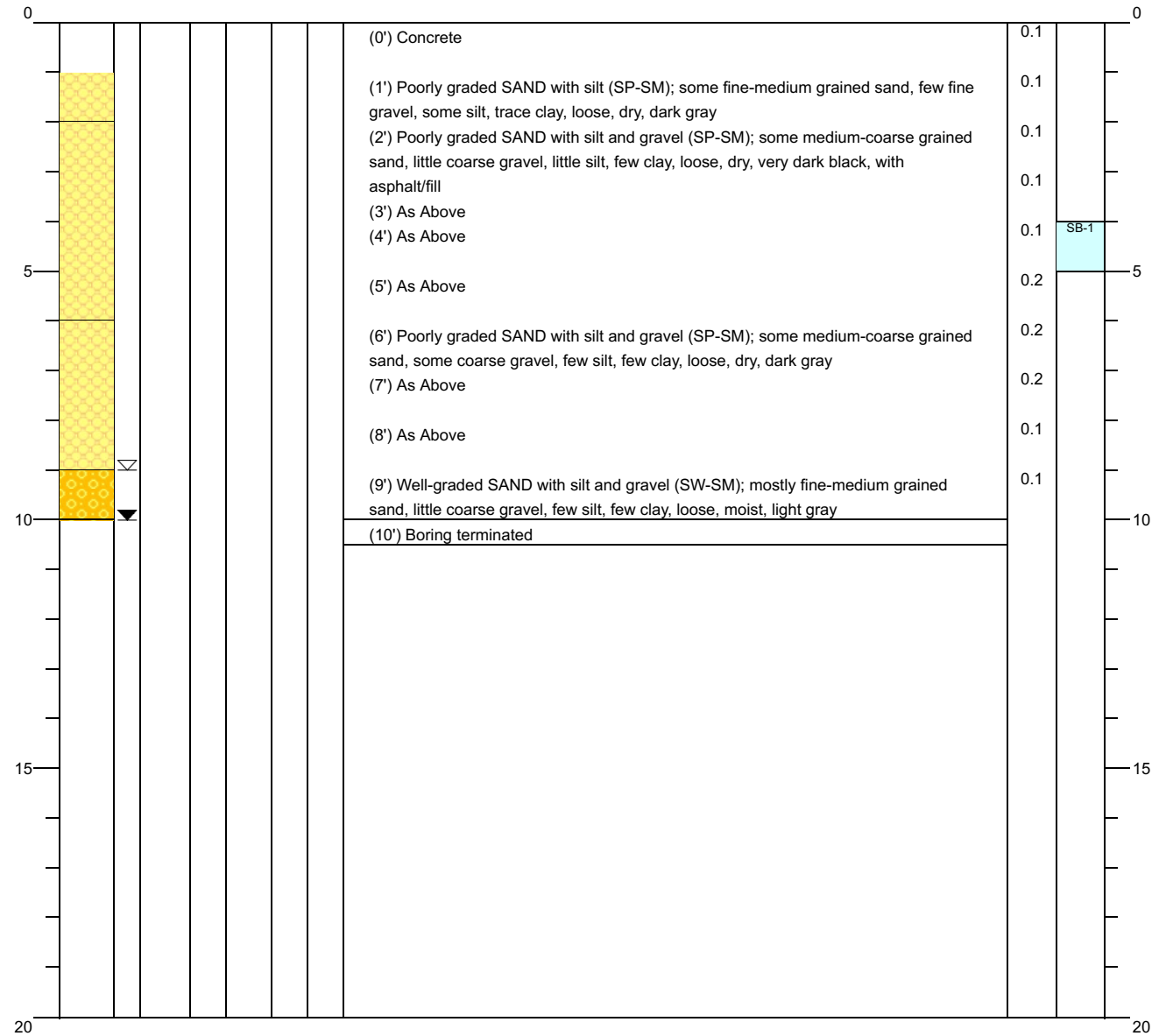
Sampling Media

6 Liter Canister X
Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
M Oliver/Laurel Env.	2/10/22 09:00	KBarkyork	2/10/22 10Am	KBarkyork	2/11/22 1850
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
KBlockyn / York	2/10/22 1850	KBlockyn / York	2/10/22 1949		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				YK / York	2/11/22 20:49

Laurel Environmental Geosciences, D.P.C.	**Client:** Seen Media Group, LLC **Project:** Linaire Sheet Metal Corporation **Address:** 9 North 15th Street, Brooklyn, NY	**WELL LOG** **Well No.** SB-1 **Page:** 1 of 1

Drilling Start Date:	**2/9/2022**	Boring Depth! (ft):	**10.0**	Well Depth (ft):	**10.0**
Drilling End Date:	**2/9/2022**	Boring Diameter (in):	**3.00**	Well Diameter (in):	**1.0**
Drilling Company:	**Laurel Environmental**	Sampling Method(s):		Screen Slot (in):	
Drilling Method:	**Direct Push**	DTW During Drilling (ft):	**9.0**	Riser Material:	
Drilling Equipment:	**Geoprobe**	DTW After Drilling (ft):	**10.0**	Screen Material:	
Driller:	**Luke Reiss**	Ground Surface Elev. (ft):	**N/A**	Seal Material(s):	
Logged By:	**Andre Matthews**	Location (Lat, Long):	**N/A**	Filter Pack:	



NOTES: Temporary well installed after SB-1 was completed, removed and sealed after groundwater sample was collected.

Checked by: Jamie Burgher

generated using LogitEasy.com

Laurel Environmental Geosciences, D.P.C.	**Client:** Seen Media Group, LLC	**WELL LOG**
	Project: Linaire Sheet Metal Corporation	**Well No.** SB-2
	Address: 9 North 15th Street, Brooklyn, NY	**Page:** 1 of 1

Drilling Start Date:	**2/9/2022**	Boring Depth! (ft):	**10.0**	Well Depth (ft):	**10.0**
Drilling End Date:	**2/9/2022**	Boring Diameter (in):	**3.00**	Well Diameter (in):	**1.0**
Drilling Company:	**Laurel Environmental**	Sampling Method(s):		Screen Slot (in):	
Drilling Method:	**Direct Push**	DTW During Drilling (ft):	**9.0**	Riser Material:	
Drilling Equipment:	**Geoprobe**	DTW After Drilling (ft):	**10.0**	Screen Material:	
Driller:	**Luke Reiss**	Ground Surface Elev. (ft):	**N/A**	Seal Material(s):	
Logged By:	**Andre Matthews**	Location (Lat, Long):	**N/A**	Filter Pack:	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0								(0') Concrete	0.6		0
								(1') Poorly graded SAND with silt (SP-SM); some fine-medium grained sand, few fine-coarse gravel, some silt, few clay, loose, dry, dark brown	7.1		
								(2') Poorly graded SAND with silt (SP-SM); some fine-medium grained sand, few fine gravel, some silt, few clay, loose, dry, light brown	24.9		
								(3') Well-graded SAND with clay and gravel (SW-SC); some coarse grained sand, little coarse gravel, few silt, few clay, loose, dry, dark black, with asphalt/fill	16.6		
								(4') As Above	10.6		
5								(5') Poorly graded SAND with silt and gravel (SP-SM); some fine-medium grained sand, some coarse gravel, some silt, few clay, loose, dry, dark brown	29.8	SB-2	5
								(6') Poorly graded SAND with silt (SP-SM); some fine-medium grained sand, trace fine gravel, some silt, few clay, loose, dry, dark brown	2.9		
								(7') Well-graded SAND with silt and gravel (SW-SM); some medium grained sand, some coarse gravel, little silt, little clay, loose, dry, light gray	5.3		
								(8') As Above	0.8		
								(9') Poorly graded SAND with silt and gravel (SP-SM); some coarse grained sand, little coarse gravel, little silt, little clay, loose, moist, dark black, and brown	0.3		
10								(10') Boring terminated			10
15											15
20											20

NOTES: Temporary well installed after SB-2 was completed, removed and sealed after groundwater sample was collected.

Checked by: Jamie Burgher

Laurel Environmental Geosciences, D.P.C.	**Client:** Seen Media Group, LLC	**WELL LOG**
	Project: Linaire Sheet Metal Corporation	**Well No.** SB-3
	Address: 9 North 15th Street, Brooklyn, NY	**Page:** 1 of 1

Drilling Start Date:	**2/9/2022**	Boring Depth! (ft):	**10.0**	Well Depth (ft):	**10.0**
Drilling End Date:	**2/9/2022**	Boring Diameter (in):	**3.00**	Well Diameter (in):	**1.0**
Drilling Company:	**Laurel Environmental**	Sampling Method(s):		Screen Slot (in):	
Drilling Method:	**Direct Push**	DTW During Drilling (ft):	**9.0**	Riser Material:	
Drilling Equipment:	**Geoprobe**	DTW After Drilling (ft):	**10.0**	Screen Material:	
Driller:	**Luke Reiss**	Ground Surface Elev. (ft):	**N/A**	Seal Material(s):	
Logged By:	**Andre Matthews**	Location (Lat, Long):	**N/A**	Filter Pack:	

DEPTH (ft)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0								(0') Concrete	0.1		0
								(1') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, some silt, little clay, loose, dry, light brown	0.3		
								(2') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, dry, dark brown, with asphalt	0.2		
								(3') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, few clay, loose, dry, light brown, with asphalt	0.2	SB-3	
								(4') Poorly graded SAND with silt (SP-SM); some fine-medium grained sand, few fine gravel, some silt, little clay, loose, dry, light brown	0.2		
5								(5') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, dry, dark brown, with concrete	0.2		5
								(6') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, some coarse gravel, little silt, little clay, loose, dry, dark brown	0.2		
								(7') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, dry, light brown, with asphalt	0.2		
								(8') Elastic SILT with sand (MH); trace fine gravel, few fine sand, some silt, some clay, medium plasticity, medium stiff, moist, light brown	0.6		
10								(9') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, some coarse gravel, little silt, few clay, loose, moist, dark brown			10
								(10') Boring terminated			
15											15
20											20

NOTES: Temporary well installed after SB-3 was completed, removed and sealed after groundwater sample was collected.

Checked by: Jamie Burgher

Laurel Environmental Geosciences, D.P.C.	**Client:** Seen Media Group, LLC **Project:** Linaire Sheet Metal Corporation **Address:** 9 North 15th Street, Brooklyn, NY	**BORING LOG** **Boring No.** UST-1 **Page:** 1 of 1

Drilling Start Date:	**2/9/2022**	Boring Depth! (ft):	**10.0**
Drilling End Date:	**2/9/2022**	Boring Diameter (in):	**3.00**
Drilling Company:	**Laurel Environmental**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (ft):	**9.0**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (ft):	**10.0**
Driller:	**Luke Reiss**	Ground Surface Elev. (ft):	**N/A**
Logged By:	**Andre Matthews**	Location (Lat, Long):	**N/A**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0								(0') Concrete	0.2		0
								(1') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, dry, dark brown, with asphalt	0.3		
								(2') Poorly graded SAND with silt (SP-SM); some medium-coarse grained sand, few coarse gravel, little silt, little clay, loose, dry, light brown	0.1		
								(3') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, dry, dark brown, with asphalt	0.2		
								(4') As Above	0.3		
5								(5') As Above	0.3		5
								(6') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, some coarse gravel, little silt, little clay, loose, dry, light brown, with concrete	0.3		
								(7') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, dry, dark brown, with asphalt	0.2		
								(8') As Above	0.2	UST-1	
								(9') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, moist, light gray	0.2		
10								(10') Boring terminated			10
15											15
20											20

NOTES:

Checked by: Jamie Burgher

Laurel Environmental Geosciences, D.P.C.	**Client:** Seen Media Group, LLC **Project:** Linaire Sheet Metal Corporation **Address:** 9 North 15th Street, Brooklyn, NY	**BORING LOG** **Boring No.** UST-2 **Page:** 1 of 1

Drilling Start Date:	**2/9/2022**	Boring Depth! (ft):	**10.0**
Drilling End Date:	**2/9/2022**	Boring Diameter (in):	**3.00**
Drilling Company:	**Laurel Environmental**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (ft):	**9.0**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (ft):	**10.0**
Driller:	**Luke Reiss**	Ground Surface Elev. (ft):	**N/A**
Logged By:	**Andre Matthews**	Location (Lat, Long):	**N/A**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0								(0') Concrete	1.9		0
								(1') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, dry, dark brown, with asphalt	0.5		
								(2') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, dry, light brown	0.4		
								(3') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, dry, dark black, with asphalt	0.4		
								(4') As Above	0.5		
5								(5') As Above	0.5		5
								(6') Concrete	1.4		
								(7') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, dry, light gray, with asphalt	0.6	UST-2	
								(8') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, dry, dark black, with asphalt	0.6		
								(9') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, moist, dark black, with asphalt	0.6		
10								(10') Boring terminated			10
15											15
20											20

NOTES:

Checked by: Jamie Burgher

Laurel Environmental Geosciences, D.P.C.	**Client:** Seen Media Group, LLC	**BORING LOG**
	Project: Linaire Sheet Metal Corporation	**Boring No.** UST-3
	Address: 9 North 15th Street, Brooklyn, NY	**Page:** 1 of 1

Drilling Start Date:	**2/9/2022**	Boring Depth! (ft):	**10.0**
Drilling End Date:	**2/9/2022**	Boring Diameter (in):	**3.00**
Drilling Company:	**Laurel Environmental**	Sampling Method(s):	
Drilling Method:	**Direct Push**	DTW During Drilling (ft):	**9.0**
Drilling Equipment:	**Geoprobe**	DTW After Drilling (ft):	**10.0**
Driller:	**Luke Reiss**	Ground Surface Elev. (ft):	**N/A**
Logged By:	**Andre Matthews**	Location (Lat, Long):	**N/A**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft)
0								(0') Concrete	0.1		0
								(1') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, dry, dark brown, with asphalt	0.2		
								(2') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, dry, light brown	0.2		
								(3') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, dry, dark brown, with wood	0.2		
								(4') As Above	0.2		
5								(5') Poorly graded SAND with silt (SP-SM); some medium-coarse grained sand, few coarse gravel, little silt, little clay, loose, dry, dark brown	0.2	UST-3	5
								(6') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, dry, light gray, with concrete	0.3		
								(7') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, dry, dark gray, with asphalt	0.3		
								(8') As Above	0.2		
								(9') Poorly graded SAND with silt and gravel (SP-SM); some medium-coarse grained sand, little coarse gravel, little silt, little clay, loose, moist, dark gray, with asphalt	0.3		
10								(10') Boring terminated			10
15											15
20											20

NOTES:

Checked by: Jamie Burgher

Laurel
ENVIRONMENTAL GEOSCIENCES, D.P.C.

BORING AND WELL LOG LEGEND

SURFACE
- ASPHALT
- CONCRETE
- FILL
- TOPSOIL
- AIR
- ICE

USCS
- Well-graded GRAVEL (GW)
- Poorly graded GRAVEL (GP)
- Silty GRAVEL (GM)
- Clayey GRAVEL (GC)
- Silty, Clayey GRAVEL (GC-GM)
- Well-graded GRAVEL with silt (GW-GM)
- Poorly graded GRAVEL with silt (GP-GM)
- Well-graded GRAVEL with clay (GW-GC)
- Poorly graded GRAVEL with clay (GP-GC)
- Well-graded SAND (SW)
- Poorly graded SAND (SP)
- Silty SAND (SM)
- Clayey SAND (SC)
- Silty, Clayey SAND (SC-SM)
- Well-graded SAND with silt (SW-SM)
- Poorly graded SAND with silt (SP-SM)
- Well-graded SAND with clay (SW-SC)
- Poorly graded SAND with clay (SP-SC)
- SILT (ML)
- Lean CLAY (CL)
- Silty CLAY (CL-ML)
- Organic SOIL (OL)
- Elastic SILT (MH)
- Fat CLAY (CH)
- Organic SOIL (OH)
- Organic SOIL (OL/OH)
- PEAT (PT)
- BEDROCK
- IGNEOUS Rock
- METAMORPHIC Rock
- SEDIMENTARY Rock
- WATER

Non-USCS
- Gravel
- Sand
- Silt
- Clayey Silt
- Silt & Clay
- Clay & Silt
- Silty Clay
- Clay
- Boulders
- Cobbles
- Peastone
- Glacial Till
- Iron Ore
- Wood
- Peat
- Saprolite
- Ash

Volume Descriptors
- Trace = <5%
- Few = 5-10%
- Little = 15-25%
- Some = 30-45%
- Mostly = >=50%

Water Levels
- Water Level During Drilling
- Water Level at End of Drilling/in Completed Well

Well/Boring Completion
- Cap
- Riser
- Screen
- End Plug
- Annular Seal
- Sanitary Seal (Bentonite Slurry/Chips/Pellets/Powder, Other)
- Filter Pack (Sand, Gravel, Other)
- Backfill

Sample Type
- GR — Grab
- EN — Encore
- SS — Split Spoon
- SH — Shelby Tube
- CO — Core Barrel
- DP — Direct Push
- ID — Lab Sample and ID