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Phase II Environmental Site Assessment Report 2925 and 2931 Westchester Avenue Bronx, New York

August 2019



Prepared for: Mr. Russel Fridman
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**PHASE II ENVIRONMENTAL SITE ASSESSMENT
2925 AND 2931 WESTCHESTER AVENUE
BRONX, NEW YORK
AUGUST 2019
CASTLETON PROJECT NUMBER: AJPL1901**

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1.0 INTRODUCTION

Castleton Environmental Geologic Services DPC (Castleton) has prepared the following Phase II Environmental Site Assessment (ESA) report to document the findings of the limited subsurface investigation performed at 2925 and 2931 Westchester Avenue, Bronx, New York (the site).

The objective of this investigation was to assess subsurface quality conditions in relation to former dry cleaning operations. The objective was met by the collection and laboratory analysis of sub-slab vapor and soil samples.

2.0 SITE BACKGROUND

The site is located at 2925-2931 Bronx, New York (Figure 1). The site consists of two (2) rectangular-shaped parcels with an estimated combined area of 0.50 acres. The site is developed with two (2) adjoining 2-story commercial buildings, each with partial basements. The buildings have an estimated combined gross floor area of 29,700 square feet. The buildings consist of eleven (11) commercial tenant spaces that are occupied by eight (8) commercial tenants (2925 Westchester Ave: Osvaldo #16 Barber Shop Corp., More Than a Tutor, Boost Mobile, and Tristate Interiors; 2931 Westchester Ave: Madison Security Group Inc., Bourbon Revival, Pruzzo's Supermarket, and Pilgrim Pharmacy). A review of the New York City Building Department property profile overview indicated that the buildings were constructed in 1931. The buildings occupy the majority of the parcels with minimal areas of exposed grounds or landscaped areas bordered by municipal walkways and right-of-ways.

A former tenant of the 2921 Westchester Avenue portion of the site, All Seasons Cleaners, is identified as a historic RCRA-SQG and RCRA-LQG of spent halogenated solvents from at least 1991 to 2006. Additionally, support posts were observed in the basement of 2921 Westchester Avenue, indicative of former dry-cleaning machines.

3.0 PHASE II ESA

The following scope of work was completed to assess if subsurface impacts are present from the former site usage as a dry cleaner.

Task	Objective
Sub-Slab Vapor Sampling	Characterize site sub-slab vapor quality in relation to former dry cleaning operations.

On-site work was completed on August 1, 2019. Sample collection locations are depicted on Figure 2.

The soil vapor investigation included the collection of sub-slab vapor samples from beneath the building slab within the 2921 Westchester Avenue unit basement. The assessment followed the



New York State Department of Health (NYSDOH) *Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006*, where applicable.

Six vapor screening points were installed within the basement of the 2921 Westchester Avenue unit and the vapors from each point were screened with a photoionization detector (PID) for the presence of volatile organic compounds (VOCs) prior to sampling. PID readings were observed at 0.0 parts per million (ppm) in each point screened.

Three sub-slab vapor points were installed. Each sub-slab vapor point was installed by drilling a small diameter hole through the concrete floor and installing a temporary sampling implant comprised of dedicated tubing. The sampling implant was sealed to prevent ambient air from contaminating the sub-slab sample. Each sampling implant was purged of three volumes of air prior to sample collection.

Three sub-slab vapor samples (SSV01 through SSV03) were collected. Vapor samples were collected in laboratory supplied 6-liter SUMMA canisters fitted with two-hour regulators and set to a flow rate not to exceed 200 ml/minute.

Samples were submitted to York Analytical Laboratories of Stratford, CT a New York State Department of Health (NYSDOH) ELAP certified laboratory and analyzed for the presence of VOCs in air by USEPA Method TO-15.

4.0 ANALYTICAL RESULTS AND DATA DISCUSSION

NYSDOH decision matrices have been established for tetrachloroethylene (PCE), trichloroethylene (TCE), 1,1-dichloroethylene, cis-1,2-dichloroethylene, 1,1,1-trichloroethane (1,1,1-TCA), carbon tetrachloride, methylene chloride, and vinyl chloride to assist with the evaluation of sub-slab vapor sampling results. These chlorinated VOCs are related to dry cleaning chemicals and their breakdown products.

Matrix A is used for carbon tetrachloride, 1,1-dichloroethylene, cis-1,2-dichloroethylene, and TCE with a response threshold of 6 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) for sub-slab vapor concentrations. Matrix B is used for methylene chloride, PCE, and 1,1,1-TCA with a response threshold of 100 $\mu\text{g}/\text{m}^3$ for sub-slab vapor concentrations. Matrix C is used for vinyl chloride with a response threshold of 6 $\mu\text{g}/\text{m}^3$ for sub-slab vapor concentrations.

The following tables shows the concentrations of these VOCs reported in the sub-slab vapor samples:

Sample ID	NYSDOH Vapor	SSV01		SSV02		SSV03	
Compound	Thresholds						
Volatile Organics		ug/m3		ug/m3		ug/m3	
1,1,1-Trichloroethane	100	0.940	U	0.900	U	2.400	U
1,1-Dichloroethylene	6	0.170	U	0.160	U	0.430	U
Carbon tetrachloride	6	0.540	D	0.520	D	0.680	U
cis-1,2-Dichloroethylene	6	63	D	23	D	0.430	U
Methylene chloride	100	4.900	D	2	D	3.300	D
Tetrachloroethylene	100	230	D	100	D	0.740	U
Trichloroethylene	6	33	D	11	D	0.580	U
Vinyl Chloride	6	1.100	D	0.420	D	0.280	U

Notes:

-ug/m3 = micrograms per cubic meter

-ND = result reported as non-detect

PCE, TCE and cis-1,2-dichloroethylene were reported above NYSDOH threshold values for vapor. In particular, the recommendation is to mitigate for the elevated concentration of cis-1,2-dichloroethylene above 60 ug/m³ as well as a source investigation to determine if soil and/or groundwater have been impacted that would require remediation prior to the selection of mitigation measures. Additionally, indoor air quality testing is recommended determine if a soil vapor intrusion condition exists once the mitigation measure has been completed.

Analytical reports from the laboratory are provided in Appendix A. The NYSDOH matrices are included in Appendix B. A vapor results analytical summary table is included as Table 1.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Castleton has prepared this Phase II ESA report to document the findings of the limited subsurface investigation performed at 2925 and 2931 Westchester Avenue, Bronx, New York.

The objective of this investigation was to assess subsurface quality conditions in relation to former dry cleaning operations. The objective was met by the collection and laboratory analysis of sub-slab vapor and soil samples.

Three sub-slab vapor samples were collected within the 2921 Westchester Avenue unit basement and laboratory analyzed.

PCE, TCE and cis-1,2-dichloroethylene were reported above NYSDOH threshold values for vapor. In particular, the recommendation is to mitigate for the elevated concentration of cis-1,2-dichloroethylene above 60 ug/m³ as well as a source investigation to determine if soil and/or groundwater have been impacted that would require remediation prior to the selection of



mitigation measures. Additionally, indoor air quality testing is recommended determine if a soil vapor intrusion condition exists once the mitigation measure has been completed.

6.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Frank P. Castellano, PG
Principal

Jessica Ferngren, PG
Sr. Project Manager



FIGURES

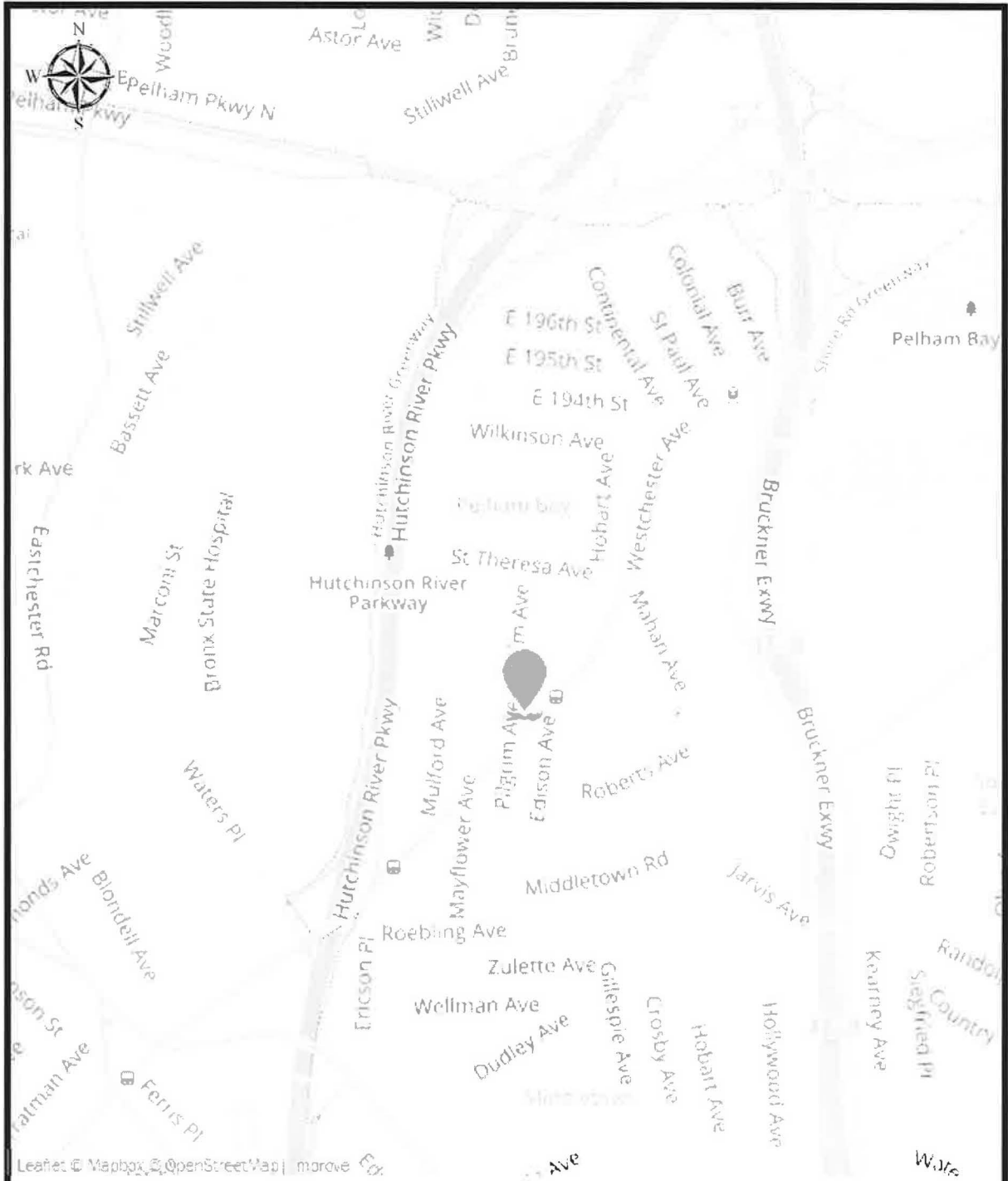


Figure 1 – Vicinity Map
2925 and 2931 Westchester Avenue
Bronx, New York





Legend




-  Site Boundary
-  Former Dry Cleaner Location
-  Vapor Sample Location



Figure 2 – Site Plan
2925 and 2931 Westchester Avenue
Bronx, New York





TABLES

TABLE 1
VAPOR ANALYTICAL RESULTS

2925 AND 2931 WESTCHESTER AVENUE, BRONX, NEW YORK

Sample ID	SSV01 19H0064-01 8/1/2019 10:20:00 AM		SSV02 19H0064-02 8/1/2019 10:25:00 AM		SSV03 19H0064-03 8/1/2019 10:30:00 AM		
York ID							
Sampling Date							
Client Matrix							
Compound	CAS Number	Result	Q	Result	Q	Result	Q
Volatile Organics, EPA TO15 Full List		ug/m3		ug/m3		ug/m3	
Dilution Factor		1.725		1.643		4.345	
1,1,1,2-Tetrachloroethane	630-20-6	1.200	U	1.100	U	3	U
1,1,1-Trichloroethane	71-55-6	0.940	U	0.900	U	2.400	U
1,1,2,2-Tetrachloroethane	79-34-5	1.200	U	1.100	U	3	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	1.300	U	1.300	U	3.300	U
1,1,2-Trichloroethane	79-00-5	0.940	U	0.900	U	2.400	U
1,1-Dichloroethane	75-34-3	0.700	U	0.660	U	1.800	U
1,1-Dichloroethylene	75-35-4	0.170	U	0.160	U	0.430	U
1,2,4-Trichlorobenzene	120-82-1	1.300	U	1.200	U	24	D
1,2,4-Trimethylbenzene	95-63-6	1.800	D	0.810	U	2.100	U
1,2-Dibromoethane	106-93-4	1.300	U	1.300	U	3.300	U
1,2-Dichlorobenzene	95-50-1	1	U	0.990	U	2.600	U
1,2-Dichloroethane	107-06-2	0.700	U	0.660	U	1.800	U
1,2-Dichloropropane	78-87-5	0.800	U	0.760	U	2	U
1,2-Dichlorotetrafluoroethane	76-14-2	1.200	U	1.100	U	3	U
1,3,5-Trimethylbenzene	108-67-8	0.850	U	0.810	U	2.100	U
1,3-Butadiene	106-99-0	1.100	U	1.100	U	2.900	U
1,3-Dichlorobenzene	541-73-1	1	U	0.990	U	2.600	U
1,3-Dichloropropane	142-28-9	0.800	U	0.760	U	2	U
1,4-Dichlorobenzene	106-46-7	1	U	0.990	U	2.600	U
1,4-Dioxane	123-91-1	1.200	U	1.200	U	3.100	U
2-Butanone	78-93-3	0.660	D	0.780	D	1.300	D
2-Hexanone	591-78-6	1.400	U	1.300	U	3.600	U
3-Chloropropene	107-05-1	2.700	U	2.600	U	6.800	U
4-Methyl-2-pentanone	108-10-1	0.710	U	0.670	U	1.800	U
Acetone	67-64-1	9.600	D	6.700	D	55	D
Acrylonitrile	107-13-1	0.370	U	0.360	U	0.940	U
Benzene	71-43-2	0.660	D	0.580	D	1.900	D
Benzyl chloride	100-44-7	0.890	U	0.850	U	2.200	U
Bromodichloromethane	75-27-4	1.200	U	1.100	U	2.900	U
Bromoform	75-25-2	1.800	U	1.700	U	4.500	U
Bromomethane	74-83-9	0.670	U	0.640	U	1.700	U
Carbon disulfide	75-15-0	0.700	D	0.510	U	1.400	U
Carbon tetrachloride	56-23-5	0.540	D	0.520	D	0.680	U
Chlorobenzene	108-90-7	0.790	U	0.760	U	2	U
Chloroethane	75-00-3	0.460	U	0.430	U	1.100	U
Chloroform	67-66-3	5.100	D	3	D	2.100	U
Chloromethane	74-87-3	0.750	D	1	D	1.700	D
cis-1,2-Dichloroethylene	156-59-2	63	D	23	D	0.430	U
cis-1,3-Dichloropropylene	10061-01-5	0.780	U	0.750	U	2	U
Cyclohexane	110-82-7	0.590	U	0.570	U	1.500	U
Dibromochloromethane	124-48-1	1.500	U	1.400	U	3.700	U
Dichlorodifluoromethane	75-71-8	2.200	D	2	D	2.100	U
Ethyl acetate	141-78-6	1.200	U	1.200	U	3.100	U
Ethyl Benzene	100-41-4	0.750	U	0.710	U	1.900	U
Hexachlorobutadiene	87-68-3	1.800	U	1.800	U	4.600	U
Isopropanol	67-63-0	0.850	U	0.810	U	13	D
Methyl Methacrylate	80-62-6	1.200	D	0.670	U	1.800	U
Methyl tert-butyl ether (MTBE)	1634-04-4	0.620	U	0.590	U	1.600	U
Methylene chloride	75-09-2	4.900	D	2	D	3.300	D
n-Heptane	142-82-5	0.710	U	0.670	U	1.800	U
n-Hexane	110-54-3	0.610	U	0.580	U	1.500	U
o-Xylene	95-47-6	1.600	D	0.710	U	1.900	U
p- & m- Xylenes	179601-23-1	2.400	D	1.400	U	3.800	U
p-Ethyltoluene	622-96-8	1.100	D	0.810	U	2.100	U
Propylene	115-07-1	0.300	U	0.280	U	1.100	D
Styrene	100-42-5	0.880	D	0.700	U	1.900	U
Tetrachloroethylene	127-18-4	230	D	100	D	0.740	U
Tetrahydrofuran	109-99-9	1	U	0.970	U	2.600	U
Toluene	108-88-3	2.800	D	1.500	D	6.400	D
trans-1,2-Dichloroethylene	156-60-5	23	D	3.200	D	2.800	D
trans-1,3-Dichloropropylene	10061-02-6	0.780	U	0.750	U	2	U
Trichloroethylene	79-01-6	33	D	11	D	0.580	U
Trichlorofluoromethane (Freon 11)	75-69-4	1.600	D	1.600	D	2.400	U
Vinyl acetate	108-05-4	0.610	U	0.580	U	1.500	U
Vinyl bromide	593-60-2	0.750	U	0.720	U	1.900	U
Vinyl Chloride	75-01-4	1.100	D	0.420	D	0.280	U

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

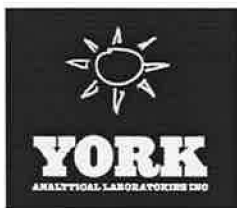
E=result is estimated and cannot be accurately reported due to levels encountered or interferences

NT=this indicates the analyte was not a target for this sample

~this indicates that no regulatory limit has been established for this analyte



APPENDIX A



Technical Report

prepared for:

Castleton Environmental
54 George Street
Babylon NY, 11702
Attention: Jessica Ferngren

Report Date: 08/06/2019
Client Project ID: AJPL1901
York Project (SDG) No.: 19H0064

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
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FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 08/06/2019
Client Project ID: AJPL1901
York Project (SDG) No.: 19H0064

Castleton Environmental
54 George Street
Babylon NY, 11702
Attention: Jessica Ferngren

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 01, 2019 with a temperature of C. The project was identified as your project: **AJPL1901**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
19H0064-01	SSV01	Soil Vapor	08/01/2019	08/01/2019
19H0064-02	SSV02	Soil Vapor	08/01/2019	08/01/2019
19H0064-03	SSV03	Soil Vapor	08/01/2019	08/01/2019

General Notes for York Project (SDG) No.: 19H0064

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: 08/06/2019

Benjamin Gulizia
Laboratory Director





Sample Information

Client Sample ID: SSV01

York Sample ID: 19H0064-01

York Project (SDG) No.
19H0064

Client Project ID
AJPL1901

Matrix
Soil Vapor

Collection Date/Time
August 1, 2019 10:20 am

Date Received
08/01/2019

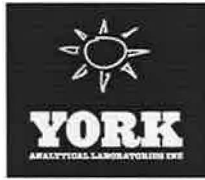
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.2	1.725	EPA TO-15 Certifications:	08/02/2019 09:00	08/03/2019 05:56	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.94	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.94	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.70	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.17	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.3	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
95-63-6	1,2,4-Trimethylbenzene	1.8		ug/m ³	0.85	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.70	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.80	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.85	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.80	1.725	EPA TO-15 Certifications:	08/02/2019 09:00	08/03/2019 05:56	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
78-93-3	2-Butanone	0.66		ug/m ³	0.51	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS



Sample Information

Client Sample ID: SSV01

York Sample ID: 19H0064-01

York Project (SDG) No.
19H0064

Client Project ID
AJPL1901

Matrix
Soil Vapor

Collection Date/Time
August 1, 2019 10:20 am

Date Received
08/01/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.725	EPA TO-15 Certifications:	08/02/2019 09:00	08/03/2019 05:56	AS
107-05-1	3-Chloropropene	ND		ug/m ³	2.7	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.71	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
67-64-1	Acetone	9.6		ug/m ³	0.82	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.37	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
71-43-2	Benzene	0.66		ug/m ³	0.55	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
100-44-7	Benzyl chloride	ND		ug/m ³	0.89	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.2	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
75-25-2	Bromoform	ND		ug/m ³	1.8	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
74-83-9	Bromomethane	ND		ug/m ³	0.67	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
75-15-0	Carbon disulfide	0.70		ug/m ³	0.54	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
56-23-5	Carbon tetrachloride	0.54		ug/m ³	0.27	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
108-90-7	Chlorobenzene	ND		ug/m ³	0.79	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
75-00-3	Chloroethane	ND		ug/m ³	0.46	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
67-66-3	Chloroform	5.1		ug/m ³	0.84	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
74-87-3	Chloromethane	0.75		ug/m ³	0.36	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
156-59-2	cis-1,2-Dichloroethylene	63		ug/m ³	0.17	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.78	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
110-82-7	Cyclohexane	ND		ug/m ³	0.59	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.5	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
75-71-8	Dichlorodifluoromethane	2.2		ug/m ³	0.85	1.725	EPA TO-15 Certifications: NELAC-NY 12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.725	EPA TO-15 Certifications:	08/02/2019 09:00	08/03/2019 05:56	AS



Sample Information

Client Sample ID: SSV01

York Sample ID: 19H0064-01

York Project (SDG) No.
19H0064

Client Project ID
AJPL1901

Matrix
Soil Vapor

Collection Date/Time
August 1, 2019 10:20 am

Date Received
08/01/2019

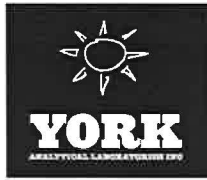
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/m ³	0.75	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.8	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
67-63-0	Isopropanol	ND		ug/m ³	0.85	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
80-62-6	Methyl Methacrylate	1.2		ug/m ³	0.71	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.62	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
75-09-2	Methylene chloride	4.9		ug/m ³	1.2	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
142-82-5	n-Heptane	ND		ug/m ³	0.71	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
110-54-3	n-Hexane	ND		ug/m ³	0.61	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
95-47-6	o-Xylene	1.6		ug/m ³	0.75	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
179601-23-1	p- & m- Xylenes	2.4		ug/m ³	1.5	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
622-96-8	* p-Ethyltoluene	1.1		ug/m ³	0.85	1.725	EPA TO-15 Certifications:	08/02/2019 09:00	08/03/2019 05:56	AS
115-07-1	* Propylene	ND		ug/m ³	0.30	1.725	EPA TO-15 Certifications:	08/02/2019 09:00	08/03/2019 05:56	AS
100-42-5	Styrene	0.88		ug/m ³	0.73	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
127-18-4	Tetrachloroethylene	230		ug/m ³	0.29	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	1.0	1.725	EPA TO-15 Certifications:	08/02/2019 09:00	08/03/2019 05:56	AS
108-88-3	Toluene	2.8		ug/m ³	0.65	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
156-60-5	trans-1,2-Dichloroethylene	23		ug/m ³	0.68	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.78	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
79-01-6	Trichloroethylene	33		ug/m ³	0.23	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
75-69-4	Trichlorofluoromethane (Freon 11)	1.6		ug/m ³	0.97	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
108-05-4	Vinyl acetate	ND		ug/m ³	0.61	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS
593-60-2	Vinyl bromide	ND		ug/m ³	0.75	1.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 05:56	AS



Sample Information

Client Sample ID: SSV01 York Sample ID: 19H0064-01
York Project (SDG) No. 19H0064 Client Project ID AJPL1901 Matrix Soil Vapor Collection Date/Time August 1, 2019 10:20 am Date Received 08/01/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes data for Vinyl Chloride and Surrogate Recoveries.

Sample Information

Client Sample ID: SSV02 York Sample ID: 19H0064-02
York Project (SDG) No. 19H0064 Client Project ID AJPL1901 Matrix Soil Vapor Collection Date/Time August 1, 2019 10:25 am Date Received 08/01/2019

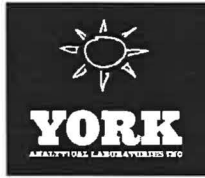
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists various chlorinated hydrocarbons and benzene derivatives.



Sample Information

Client Sample ID: SSV02

York Sample ID: 19H0064-02

York Project (SDG) No.
19H0064

Client Project ID
AJPL1901

Matrix
Soil Vapor

Collection Date/Time
August 1, 2019 10:25 am

Date Received
08/01/2019

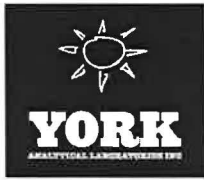
Volatile Organics, EPA TO15 Full List

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
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.76	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.81	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.99	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.76	1.643	EPA TO-15 Certifications:	08/02/2019 09:00	08/03/2019 07:01	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.99	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
78-93-3	2-Butanone	0.78		ug/m ³	0.48	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
591-78-6	* 2-Hexanone	ND		ug/m ³	1.3	1.643	EPA TO-15 Certifications:	08/02/2019 09:00	08/03/2019 07:01	AS
107-05-1	3-Chloropropene	ND		ug/m ³	2.6	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.67	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
67-64-1	Acetone	6.7		ug/m ³	0.78	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.36	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
71-43-2	Benzene	0.58		ug/m ³	0.52	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
100-44-7	Benzyl chloride	ND		ug/m ³	0.85	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
75-25-2	Bromoform	ND		ug/m ³	1.7	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
74-83-9	Bromomethane	ND		ug/m ³	0.64	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
75-15-0	Carbon disulfide	ND		ug/m ³	0.51	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
56-23-5	Carbon tetrachloride	0.52		ug/m ³	0.26	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
108-90-7	Chlorobenzene	ND		ug/m ³	0.76	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS



Sample Information

Client Sample ID: SSV02

York Sample ID: 19H0064-02

York Project (SDG) No.
19H0064

Client Project ID
AJPL1901

Matrix
Soil Vapor

Collection Date/Time
August 1, 2019 10:25 am

Date Received
08/01/2019

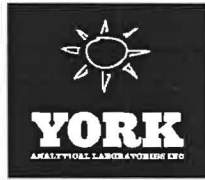
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/m ³	0.43	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
67-66-3	Chloroform	3.0		ug/m ³	0.80	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
74-87-3	Chloromethane	1.0		ug/m ³	0.34	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
156-59-2	cis-1,2-Dichloroethylene	23		ug/m ³	0.16	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.75	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
110-82-7	Cyclohexane	ND		ug/m ³	0.57	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
75-71-8	Dichlorodifluoromethane	2.0		ug/m ³	0.81	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
100-41-4	Ethyl Benzene	ND		ug/m ³	0.71	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.8	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
67-63-0	Isopropanol	ND		ug/m ³	0.81	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.67	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.59	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
75-09-2	Methylene chloride	2.0		ug/m ³	1.1	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
142-82-5	n-Heptane	ND		ug/m ³	0.67	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
110-54-3	n-Hexane	ND		ug/m ³	0.58	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
95-47-6	o-Xylene	ND		ug/m ³	0.71	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.4	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.81	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
115-07-1	* Propylene	ND		ug/m ³	0.28	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS
100-42-5	Styrene	ND		ug/m ³	0.70	1.643	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/02/2019 09:00	08/03/2019 07:01	AS



Sample Information

Client Sample ID: SSV02 York Sample ID: 19H0064-02
York Project (SDG) No. 19H0064 Client Project ID AJPL1901 Matrix Soil Vapor Collection Date/Time August 1, 2019 10:25 am Date Received 08/01/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Tetrachloroethylene, Tetrahydrofuran, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropylene, Trichloroethylene, Trichlorofluoromethane (Freon 11), Vinyl acetate, Vinyl bromide, Vinyl Chloride, and Surrogate Recoveries.

Sample Information

Client Sample ID: SSV03 York Sample ID: 19H0064-03
York Project (SDG) No. 19H0064 Client Project ID AJPL1901 Matrix Soil Vapor Collection Date/Time August 1, 2019 10:30 am Date Received 08/01/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, and 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113).



Sample Information

Client Sample ID: SSV03

York Sample ID: 19H0064-03

York Project (SDG) No.
19H0064

Client Project ID
AJPL1901

Matrix
Soil Vapor

Collection Date/Time
August 1, 2019 10:30 am

Date Received
08/01/2019

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
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	2.4	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.8	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.43	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
120-82-1	1,2,4-Trichlorobenzene	24		ug/m ³	3.2	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	2.1	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	3.3	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	2.6	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.8	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	2.0	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	3.0	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	2.1	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	2.9	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	2.6	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	2.0	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	2.6	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	3.1	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
78-93-3	2-Butanone	1.3		ug/m ³	1.3	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
591-78-6	* 2-Hexanone	ND		ug/m ³	3.6	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
107-05-1	3-Chloropropene	ND		ug/m ³	6.8	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	1.8	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
67-64-1	Acetone	55	TO-LC S-H	ug/m ³	2.1	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.94	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS



Sample Information

Client Sample ID: SSV03

York Sample ID: 19H0064-03

York Project (SDG) No.
19H0064

Client Project ID
AJPL1901

Matrix
Soil Vapor

Collection Date/Time
August 1, 2019 10:30 am

Date Received
08/01/2019

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
71-43-2	Benzene	1.9		ug/m ³	1.4	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
100-44-7	Benzyl chloride	ND		ug/m ³	2.2	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	2.9	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
75-25-2	Bromoform	ND		ug/m ³	4.5	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
74-83-9	Bromomethane	ND		ug/m ³	1.7	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
75-15-0	Carbon disulfide	ND		ug/m ³	1.4	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.68	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
108-90-7	Chlorobenzene	ND		ug/m ³	2.0	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
75-00-3	Chloroethane	ND		ug/m ³	1.1	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
67-66-3	Chloroform	ND		ug/m ³	2.1	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
74-87-3	Chloromethane	1.7		ug/m ³	0.90	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.43	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	2.0	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
110-82-7	Cyclohexane	ND		ug/m ³	1.5	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	3.7	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	2.1	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	3.1	4.345	EPA TO-15 Certifications:	08/05/2019 07:00	08/05/2019 12:39	AS
100-41-4	Ethyl Benzene	ND		ug/m ³	1.9	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	4.6	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
67-63-0	Isopropanol	13		ug/m ³	2.1	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
80-62-6	Methyl Methacrylate	ND		ug/m ³	1.8	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.6	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS



Sample Information

Client Sample ID: SSV03

York Sample ID: 19H0064-03

York Project (SDG) No.
19H0064

Client Project ID
AJPL1901

Matrix
Soil Vapor

Collection Date/Time
August 1, 2019 10:30 am

Date Received
08/01/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	3.3		ug/m ³	3.0	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
142-82-5	n-Heptane	ND		ug/m ³	1.8	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
110-54-3	n-Hexane	ND		ug/m ³	1.5	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
95-47-6	o-Xylene	ND		ug/m ³	1.9	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
179601-23-1	p- & m- Xylenes	ND		ug/m ³	3.8	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	2.1	4.345	EPA TO-15 Certifications:	08/05/2019 07:00	08/05/2019 12:39	AS
115-07-1	* Propylene	1.1		ug/m ³	0.75	4.345	EPA TO-15 Certifications:	08/05/2019 07:00	08/05/2019 12:39	AS
100-42-5	Styrene	ND		ug/m ³	1.9	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.74	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	2.6	4.345	EPA TO-15 Certifications:	08/05/2019 07:00	08/05/2019 12:39	AS
108-88-3	Toluene	6.4		ug/m ³	1.6	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
156-60-5	trans-1,2-Dichloroethylene	2.8		ug/m ³	1.7	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	2.0	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
79-01-6	Trichloroethylene	ND		ug/m ³	0.58	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	2.4	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
108-05-4	Vinyl acetate	ND		ug/m ³	1.5	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
593-60-2	Vinyl bromide	ND		ug/m ³	1.9	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.28	4.345	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/05/2019 07:00	08/05/2019 12:39	AS
	Surrogate Recoveries	Result		Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	89.1 %		70-130						





Sample and Data Qualifiers Relating to This Work Order

- TO-LCS-H The result reported for this compound may be biased high due to its behavior in the analysis batch LCS where it recovered greater than 130% of the expected value.
- TO-CCV The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).

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 132-02 89th Ave Queens,
Stratford, CT 06615 NY 11418



clientservices@yorklab.com
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Field Chain-of-Custody Record - AIR

YORK Project No.
1940064

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

Your Page **1** of **1**

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: Custom Env		Company: SAME		Company: SAME		AJPLL901		RUSH - Next Day	
Address: 54 George St Babylon NY		Address: /		Address: /		YOUR Project Name		RUSH - Two Day	
Phone: 631-482-1847		Phone: /		Phone: /		AJPL1901		RUSH - Three Day <input checked="" type="checkbox"/>	
Contact: Jessica Ferrara		Contact: /		Contact: /		YOUR PO#:		RUSH - Four Day	
E-mail: jessica.f@customenv.com		E-mail: /		E-mail: /				Standard (5-7 Day)	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved. J Wesler Samples Collected by: (print your name above and sign below)	Air Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
	AI - Indoor Ambient Air AO - Outdoor Amb. Air AE - Vapor Extraction Well/ Process Gas/Effluent AS - Soil Vapor/Sub-Slab	New York New Jersey Connecticut Pennsylvania Other	<input checked="" type="checkbox"/> Summary Report <input type="checkbox"/> QA Report <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package <input type="checkbox"/> Other:	<input type="checkbox"/> CT RCP <input type="checkbox"/> CT RCP DQA/DUE <input type="checkbox"/> NJDEP Reduced Deliv. <input type="checkbox"/> NJDKQP	<input checked="" type="checkbox"/> Standard Excel EDD <input type="checkbox"/> EQUIS (Standard) <input type="checkbox"/> NYSDEC EQUIS <input type="checkbox"/> NJDEP SRP HazSite	Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch ___ Individual ___		Please enter the following REQUIRED Field Data					Reporting Units: ug/m ³ <input checked="" type="checkbox"/> 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	
SSV01	8/1/19 1020	AS	-29	-7	15613	6867	TD-15	
SSV02	8/1/19 1025	AS	-31	-7	23994	6862	TD-15	
SSV03	8/1/19 1030	AS	-28	-21	24116	744	TD-15	

Comments: 3 day Rush	Detection Limits Required		Sampling Media
	≤ 1 ug/m ³ ___ NYSDEC V1 Limits <input checked="" type="checkbox"/> Routine Survey ___ Other ___		6 Liter Canister <input checked="" type="checkbox"/> Tedlar Bag ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
J Wesler	8/1 1230	Allie Ventura YORK	8/1/19 12:30	Allie Ventura YORK	8/1/19
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Wesler	8-1-19 1000	Wesler	8-1-19		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time



APPENDIX B

Matrix A

 Carbon tetrachloride, 1,1-dichloroethene, *cis*-1,2-dichloroethene, trichloroethene

Sub Slab Vapor Conc (ug/m ³)		Indoor Air Concentration (ug/m ³)		
		<0.2	0.2 to <1	1 and Above
	Result			
<6		No Further Action	No further Action	Identify Source(s) and Resample or Mitigate
6 to <60		No Further Action	Monitor	Mitigate
60 and above		Mitigate	Mitigate	Mitigate

Matrix B

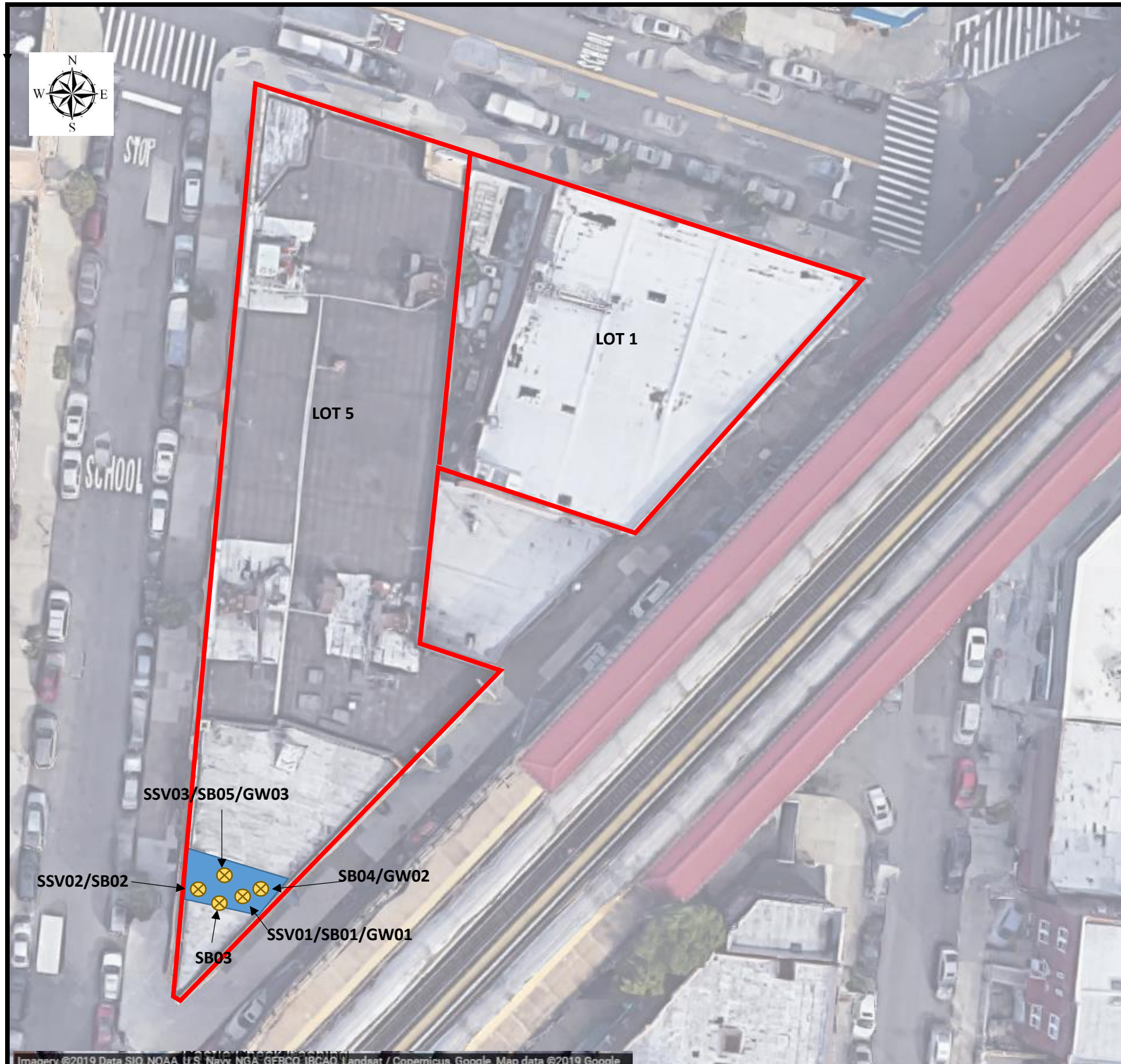
Methylene Chloride, tetrachloroethene, 1,1,1-trichloroethane

Sub Slab Vapor Conc (ug/m ³)		Indoor Air Concentration (ug/m ³)		
		<3	3 to <10	10 and Above
	Result			
<100		No Further Action	No Further Action	Identify Source(s) and Resample or Mitigate
100 to <1,000		No Further Action	Monitor	Mitigate
1,000 and above		Mitigate	Mitigate	Mitigate




Matrix C

Vinyl Chloride

Sub Slab Vapor Conc (ug/m ³) - PCE		Indoor Air Concentration (ug/m ³)	
		<0.2	0.2 and Above
	Result		
<6		No Further Action	Identify Source(s) and Resample or Mitigate
6 to <60		Monitor	Mitigate
60 and above		Mitigate	Mitigate



Legend

-  Site Boundary
-  Former Dry Cleaner Location
-  Vapor Sample Location

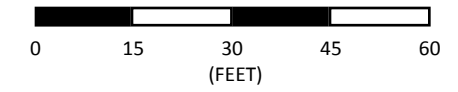


Figure 2 – Site Plan
 2925 and 2931 Westchester Avenue
 Bronx, New York





Technical Report

prepared for:

Castleton Environmental
54 George Street
Babylon NY, 11702
Attention: Jessica Ferngren

Report Date: 08/13/2019
Client Project ID: AJPL 1902
York Project (SDG) No.: 19H0456

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

TABLE
GROUNDWATER ANALYTICAL SUMMARY
2921 WESTCHESTER AVENUE, BRONX, NEW YORK

Sample ID		NYSDEC TOGS	GW01	GW02	GW03
York ID		Standards and	19H0456-01	19H0456-02	19H0456-03
Sampling Date		Guidance Values - GA	8/9/2019 11:20:00 AM	8/9/2019 11:50:00 AM	8/9/2019 12:00:00 PM
Client Matrix			Water	Water	Water
Compound	CAS Number		Result	Result	Result
			Q	Q	Q
Volatile Organics, 8260 - Comprehensive			ug/L	ug/L	ug/L
Dilution Factor			2	2	2
1,1,1,2-Tetrachloroethane	630-20-6	5	0.400	0.400	0.400
1,1,1-Trichloroethane	71-55-6	5	0.400	0.400	0.400
1,1,2,2-Tetrachloroethane	79-34-5	5	0.400	0.400	0.400
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	0.400	0.400	0.400
1,1,2-Trichloroethane	79-00-5	1	0.400	0.400	0.400
1,1-Dichloroethane	75-34-3	5	0.400	0.400	0.400
1,1-Dichloroethylene	75-35-4	5	0.400	0.400	0.400
1,2,3-Trichlorobenzene	87-61-6	5	0.400	0.400	0.400
1,2,3-Trichloropropane	96-18-4	0.04	0.400	0.400	0.400
1,2,4-Trichlorobenzene	120-82-1	5	0.400	0.400	0.400
1,2,4-Trimethylbenzene	95-63-6	5	0.400	0.400	0.400
1,2-Dibromo-3-chloropropane	96-12-8	0.04	0.400	0.400	0.400
1,2-Dibromoethane	106-93-4	0.0006	0.400	0.400	0.400
1,2-Dichlorobenzene	95-50-1	3	0.400	0.400	0.400
1,2-Dichloroethane	107-06-2	0.6	0.400	0.400	0.400
1,2-Dichloropropane	78-87-5	1	0.400	0.400	0.400
1,3,5-Trimethylbenzene	108-67-8	5	0.400	0.400	0.400
1,3-Dichlorobenzene	541-73-1	3	0.400	0.400	0.400
1,4-Dichlorobenzene	106-46-7	3	0.400	0.400	0.400
1,4-Dioxane	123-91-1	~	80	80	80
2-Butanone	78-93-3	50	7.800	0.400	0.400
2-Hexanone	591-78-6	50	0.400	0.400	0.400
4-Methyl-2-pentanone	108-10-1	~	0.400	0.400	0.400
Acetone	67-64-1	50	3.200	2	2
Acrolein	107-02-8	~	0.400	0.400	0.400
Acrylonitrile	107-13-1	~	0.400	0.400	0.400
Benzene	71-43-2	1	0.400	0.400	0.400
Bromochloromethane	74-97-5	5	0.400	0.400	0.400
Bromodichloromethane	75-27-4	50	0.400	0.400	0.400
Bromoform	75-25-2	50	0.400	0.400	0.400
Bromomethane	74-83-9	5	0.400	0.400	0.400
Carbon disulfide	75-15-0	~	0.400	0.400	0.400
Carbon tetrachloride	56-23-5	5	0.400	0.400	0.400
Chlorobenzene	108-90-7	5	0.400	0.400	0.400
Chloroethane	75-00-3	5	0.400	0.400	0.400
Chloroform	67-66-3	7	0.400	0.400	0.400
Chloromethane	74-87-3	5	0.400	0.400	0.400
cis-1,2-Dichloroethylene	156-59-2	5	32	96	93
cis-1,3-Dichloropropylene	10061-01-5	0.4	0.400	0.400	0.400
Cyclohexane	110-82-7	~	0.400	0.400	0.400
Dibromochloromethane	124-48-1	50	0.400	0.400	0.400
Dibromomethane	74-95-3	~	0.400	0.400	0.400
Dichlorodifluoromethane	75-71-8	5	0.400	0.400	0.400
Ethyl Benzene	100-41-4	5	0.400	0.400	0.400
Hexachlorobutadiene	87-68-3	0.5	0.400	0.400	0.400
Isopropylbenzene	98-82-8	5	0.400	0.400	0.400
Methyl acetate	79-20-9	~	0.400	0.400	0.400
Methyl tert-butyl ether (MTBE)	1634-04-4	10	0.400	0.400	0.400
Methylcyclohexane	108-87-2	~	0.400	0.400	0.400
Methylene chloride	75-09-2	5	2	2	2
n-Butylbenzene	104-51-8	5	0.400	0.400	0.400
n-Propylbenzene	103-65-1	5	0.400	0.400	0.400
o-Xylene	95-47-6	5	0.400	0.400	0.400
p- & m- Xylenes	179601-23-1	5	1	1	1
p-Isopropyltoluene	99-87-6	5	0.400	0.400	0.400
sec-Butylbenzene	135-98-8	5	0.400	0.400	0.400
Styrene	100-42-5	5	0.400	0.400	0.400
tert-Butyl alcohol (TBA)	75-65-0	~	1	1	1
tert-Butylbenzene	98-06-6	5	0.400	0.400	0.400
Tetrachloroethylene	127-18-4	5	130	72	67
Toluene	108-88-3	5	0.400	0.400	0.400
trans-1,2-Dichloroethylene	156-60-5	5	0.400	0.600	0.600
trans-1,3-Dichloropropylene	10061-02-6	0.4	0.400	0.400	0.400
trans-1,4-dichloro-2-butene	110-57-6	~	0.400	0.400	0.400
Trichloroethylene	79-01-6	5	9.800	18	18
Trichlorofluoromethane	75-69-4	5	0.400	0.400	0.400
Vinyl Chloride	75-01-4	2	1.400	1.100	1.100
Xylenes, Total	1330-20-7	5	1.200	1.200	1.200

NOTES:

Yellow highlight exceeds TOGS 1.1.1 Class GA Water Quality Standards and Guidance

Gray highlight indicates that the compound was reported as non-detect however, the laboratory reporting limit exceeds TOGS 1.1.1 Class GA Water Quality Standards and Guidance

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

~=this indicates that no regulatory limit has been established for this analyte

Report Date: 08/13/2019
Client Project ID: AJPL 1902
York Project (SDG) No.: 19H0456

Castleton Environmental
54 George Street
Babylon NY, 11702
Attention: Jessica Ferngren

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 09, 2019 with a temperature of 2.5 C. The project was identified as your project: **AJPL 1902**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
19H0456-01	GW01	Water	08/09/2019	08/09/2019
19H0456-02	GW02	Water	08/09/2019	08/09/2019
19H0456-03	GW03	Water	08/09/2019	08/09/2019

General Notes for York Project (SDG) No.: 19H0456

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:



Benjamin Gulizia
Laboratory Director

Date: 08/13/2019





Sample Information

Client Sample ID: GW01

York Sample ID: 19H0456-01

York Project (SDG) No.
19H0456

Client Project ID
AJPL 1902

Matrix
Water

Collection Date/Time
August 9, 2019 11:20 am

Date Received
08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

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	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 15:44	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 15:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 15:44	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
123-91-1	1,4-Dioxane	ND		ug/L	80	80	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 15:44	SS
78-93-3	2-Butanone	7.8		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS



Sample Information

Client Sample ID: GW01 **York Sample ID:** 19H0456-01
York Project (SDG) No. 19H0456 **Client Project ID** AJPL 1902
Matrix Water **Collection Date/Time** August 9, 2019 11:20 am
Date Received 08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
67-64-1	Acetone	3.2	J	ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
107-02-8	Acrolein	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
107-13-1	Acrylonitrile	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
71-43-2	Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
74-97-5	Bromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	08/12/2019 07:30	08/12/2019 15:44	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
74-83-9	Bromomethane	ND		ug/L	0.40	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
75-15-0	Carbon disulfide	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
108-90-7	Chlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
75-00-3	Chloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
67-66-3	Chloroform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
74-87-3	Chloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
156-59-2	cis-1,2-Dichloroethylene	32		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
110-82-7	Cyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	08/12/2019 07:30	08/12/2019 15:44	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	08/12/2019 07:30	08/12/2019 15:44	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	08/12/2019 07:30	08/12/2019 15:44	SS



Sample Information

Client Sample ID: GW01

York Sample ID: 19H0456-01

York Project (SDG) No.
19H0456

Client Project ID
AJPL 1902

Matrix
Water

Collection Date/Time
August 9, 2019 11:20 am

Date Received
08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 15:44	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
79-20-9	Methyl acetate	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 15:44	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 15:44	SS
75-09-2	Methylene chloride	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
95-47-6	o-Xylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	08/12/2019 07:30	08/12/2019 15:44	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	2.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	08/12/2019 07:30	08/12/2019 15:44	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	1.0	5.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 15:44	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
127-18-4	Tetrachloroethylene	130		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
108-88-3	Toluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
79-01-6	Trichloroethylene	9.8		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS



Sample Information

Client Sample ID: GW01

York Sample ID: 19H0456-01

York Project (SDG) No.
19H0456

Client Project ID
AJPL 1902

Matrix
Water

Collection Date/Time
August 9, 2019 11:20 am

Date Received
08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
75-01-4	Vinyl Chloride	1.4		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.2	3.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	87.0 %			69-130						
2037-26-5	Surrogate: SURRE: Toluene-d8	94.8 %			81-117						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	102 %			79-122						

Sample Information

Client Sample ID: GW02

York Sample ID: 19H0456-02

York Project (SDG) No.
19H0456

Client Project ID
AJPL 1902

Matrix
Water

Collection Date/Time
August 9, 2019 11:50 am

Date Received
08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

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	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAT	08/12/2019 07:30	08/12/2019 16:13	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAT	08/12/2019 07:30	08/12/2019 16:13	SS



Sample Information

Client Sample ID: GW02

York Sample ID: 19H0456-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0456

AJPL 1902

Water

August 9, 2019 11:50 am

08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 16:13	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
123-91-1	1,4-Dioxane	ND		ug/L	80	80	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 16:13	SS
78-93-3	2-Butanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
591-78-6	2-Hexanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
67-64-1	Acetone	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
107-02-8	Acrolein	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
107-13-1	Acrylonitrile	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
71-43-2	Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
74-97-5	Bromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 16:13	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS



Sample Information

Client Sample ID: GW02

York Sample ID: 19H0456-02

York Project (SDG) No.
19H0456

Client Project ID
AJPL 1902

Matrix
Water

Collection Date/Time
August 9, 2019 11:50 am

Date Received
08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/L	0.40	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
75-15-0	Carbon disulfide	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
108-90-7	Chlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
75-00-3	Chloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
67-66-3	Chloroform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
74-87-3	Chloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
156-59-2	cis-1,2-Dichloroethylene	96		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
110-82-7	Cyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 16:13	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 16:13	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 16:13	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 16:13	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
79-20-9	Methyl acetate	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 16:13	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 16:13	SS
75-09-2	Methylene chloride	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS



Sample Information

Client Sample ID: GW02

York Sample ID: 19H0456-02

York Project (SDG) No.
19H0456

Client Project ID
AJPL 1902

Matrix
Water

Collection Date/Time
August 9, 2019 11:50 am

Date Received
08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

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
103-65-1	n-Propylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
95-47-6	o-Xylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	08/12/2019 07:30	08/12/2019 16:13	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	2.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	08/12/2019 07:30	08/12/2019 16:13	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	1.0	5.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	08/12/2019 07:30	08/12/2019 16:13	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
127-18-4	Tetrachloroethylene	72		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
108-88-3	Toluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
156-60-5	trans-1,2-Dichloroethylene	0.60	J	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
79-01-6	Trichloroethylene	18		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
75-01-4	Vinyl Chloride	1.1		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.2	3.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	84.0 %	69-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	96.2 %	81-117								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	95.2 %	79-122								



Sample Information

Client Sample ID: GW03 **York Sample ID:** 19H0456-03
York Project (SDG) No. 19H0456 **Client Project ID** AJPL 1902 **Matrix** Water **Collection Date/Time** August 9, 2019 12:00 pm **Date Received** 08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

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	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 16:43	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 16:43	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 16:43	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
123-91-1	1,4-Dioxane	ND		ug/L	80	80	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 16:43	SS
78-93-3	2-Butanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS



Sample Information

Client Sample ID: GW03

York Sample ID: 19H0456-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0456

AJPL 1902

Water

August 9, 2019 12:00 pm

08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
67-64-1	Acetone	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
107-02-8	Acrolein	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
107-13-1	Acrylonitrile	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
71-43-2	Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
74-97-5	Bromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJ,DEP,PAI	08/12/2019 07:30	08/12/2019 16:43	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
74-83-9	Bromomethane	ND		ug/L	0.40	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
75-15-0	Carbon disulfide	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
108-90-7	Chlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
75-00-3	Chloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
67-66-3	Chloroform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
74-87-3	Chloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
156-59-2	cis-1,2-Dichloroethylene	93		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
110-82-7	Cyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJ,DEP,PAI	08/12/2019 07:30	08/12/2019 16:43	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJ,DEP,PAI	08/12/2019 07:30	08/12/2019 16:43	SS



Sample Information

Client Sample ID: GW03

York Sample ID: 19H0456-03

York Project (SDG) No.
19H0456

Client Project ID
AJPL 1902

Matrix
Water

Collection Date/Time
August 9, 2019 12:00 pm

Date Received
08/09/2019

Volatiles Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

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	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 16:43	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 16:43	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
79-20-9	Methyl acetate	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 16:43	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 16:43	SS
75-09-2	Methylene chloride	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
95-47-6	o-Xylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	08/12/2019 07:30	08/12/2019 16:43	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	2.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	08/12/2019 07:30	08/12/2019 16:43	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	1.0	5.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 16:43	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
127-18-4	Tetrachloroethylene	67		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
108-88-3	Toluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
156-60-5	trans-1,2-Dichloroethylene	0.60	J	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS



Sample Information

Client Sample ID: GW03

York Sample ID: 19H0456-03

York Project (SDG) No.
19H0456

Client Project ID
AJPL 1902

Matrix
Water

Collection Date/Time
August 9, 2019 12:00 pm

Date Received
08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

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
79-01-6	Trichloroethylene	18		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
75-01-4	Vinyl Chloride	1.1		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.2	3.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	85.8 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	95.7 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.4 %			79-122						



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19H0456-01	GW01	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19H0456-02	GW02	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19H0456-03	GW03	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

- V-Sed The aqueous sample submitted contained appreciable sediment which would not allow introduction into the analytical system. A dilution was made to accomplish analysis. This resulted in elevated Reporting 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.
- 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).

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 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.

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Field Chain-of-Custody Record

YORK Project No.

19170456

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 0 of 1

YOUR Information		Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Castleton Environmental	Company:	Company:	Company:	ASPL1902 YOUR Project Name	RUSH - Next Day
Address: 54 George St Babylon, NY	Address:	Address:	Address:		RUSH - Two Day
Phone: (631) 482-1818	Phone: SAME	Phone: SAME	Phone: SAME	YOUR Project Name: ASPL1902	RUSH - Three Day <input checked="" type="checkbox"/>
Contact: Jessica Ferguson	Contact:	Contact:	Contact:	YOUR PO#:	RUSH - Four Day
E-mail: jessica@castletonenv.com	E-mail:	E-mail:	E-mail:		Standard (5-7 Day) <input checked="" type="checkbox"/>

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: Charles Lambert (print your name above and sign below)	Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
	S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil ; Other	New York <input checked="" type="checkbox"/> New Jersey Connecticut Pennsylvania Other	<input checked="" type="checkbox"/> Summary Report <input type="checkbox"/> QA Report <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package	<input type="checkbox"/> CT RCP <input type="checkbox"/> CT RCP DQA/DUE <input type="checkbox"/> NJDEP Reduced Deliverables <input type="checkbox"/> NJDKOP	<input checked="" type="checkbox"/> Standard Except EDD <input type="checkbox"/> EQUIS (Standard) <input type="checkbox"/> NYSDEC EQUIS <input type="checkbox"/> NJDEP SRP HazSite Other:	Compared to the following Regulation(s) (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
GW01	GW	8/4/19 11:20	VOCs by USEPA Method 8160	3 VOA's
GW02	↓	↓ 11:50	↓	↓
GW03	↓	↓ 12:00	↓	↓

Comments:	Preservation: (check all that apply)	Special Instruction
	HCl <input type="checkbox"/> MeOH <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other <input type="checkbox"/>	Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
<i>[Signature]</i>	8/4/19 13:24	<i>[Signature]</i>	8-4-19 1341	<i>[Signature]</i>	8/4/19 1546	<i>[Signature]</i>	8-4-19 1546
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Touff / Inc	8/4/19 14:00	Touff / Inc	8/4/19 14:18				
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received In Lab by	Date/Time	Temp. Received at Lab	
				<i>[Signature]</i>	8/4/19 14:18	2.5	Degrees C

Page 18 of 18



Technical Report

prepared for:

Castleton Environmental
54 George Street
Babylon NY, 11702
Attention: Jessica Ferngren

Report Date: 08/14/2019
Client Project ID: **AJPL1902**
York Project (SDG) No.: 19H0455

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
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(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 08/14/2019
Client Project ID: AJPL1902
York Project (SDG) No.: 19H0455

Castleton Environmental
54 George Street
Babylon NY, 11702
Attention: Jessica Ferngren

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 09, 2019 with a temperature of 2.5 C. The project was identified as your project: **AJPL1902**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
19H0455-01	SB01	Soil	08/09/2019	08/09/2019
19H0455-02	SB02	Soil	08/09/2019	08/09/2019
19H0455-05	SB05	Soil	08/09/2019	08/09/2019

General Notes for York Project (SDG) No.: 19H0455

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:



Benjamin Gulizia
Laboratory Director

Date: 08/14/2019



TABLE
SOIL ANALYTICAL SUMMARY
2921 WESTCHESTER AVENUE, BRONX, NEW YORK

Sample ID		NYSDEC Part 375	NYSDEC Part 375	NYSDEC Part 375	S801	S802	S805
York ID		Unrestricted Use Soil	Restricted Use Soil	Restricted Use Soil	19H0455-01	19H0455-02	19H0455-05
Sampling Date		Cleanup Objectives	Cleanup Objectives -	Cleanup Objectives -	8/9/2019 12:05:00 PM	8/9/2019 12:10:00 PM	8/9/2019 12:15:00 PM
Client Matrix			Restricted Residential	Commercial	Soil	Soil	Soil
Compound	CAS Number				Result	Result	Result
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Volatile Organics, 8260 - Comprehensive					1	1	100
Dilution Factor							
1,1,1,2-Tetrachloroethane	630-20-6	~	~	~	0.00290 U	0.00330 U	0.00420 U
1,1,1-Trichloroethane	71-55-6	0.68	100	500	0.00290 U	0.00330 U	0.00420 U
1,1,2,2-Tetrachloroethane	79-34-5	~	~	~	0.00290 U	0.00330 U	0.00420 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	~	~	~	0.00290 U	0.00330 U	0.00420 U
1,1,2-Trichloroethane	79-00-5	~	~	~	0.00290 U	0.00330 U	0.00420 U
1,1-Dichloroethane	75-34-3	0.27	26	240	0.00290 U	0.00330 U	0.00420 U
1,1-Dichloroethylene	75-35-4	0.33	100	500	0.00290 U	0.00330 U	0.00420 U
1,2,3-Trichlorobenzene	87-61-6	~	~	~	0.00290 U	0.00330 U	0.00420 U
1,2,3-Trichloropropane	96-18-4	~	~	~	0.00290 U	0.00330 U	0.00420 U
1,2,4-Trichlorobenzene	120-82-1	~	~	~	0.00290 U	0.00330 U	0.00420 U
1,2,4-Trimethylbenzene	95-63-6	3.6	52	190	0.00290 U	0.00330 U	0.00420 U
1,2-Dibromo-3-chloropropane	96-12-8	~	~	~	0.00290 U	0.00330 U	0.00420 U
1,2-Dibromoethane	106-93-4	~	~	~	0.00290 U	0.00330 U	0.00420 U
1,2-Dichlorobenzene	95-50-1	1.1	100	500	0.00290 U	0.00330 U	0.00420 U
1,2-Dichloroethane	107-06-2	0.02	3.1	30	0.00290 U	0.00330 U	0.00420 U
1,2-Dichloropropane	78-87-5	~	~	~	0.00290 U	0.00330 U	0.00420 U
1,3,5-Trimethylbenzene	108-67-8	8.4	52	190	0.00290 U	0.00330 U	0.00420 U
1,3-Dichlorobenzene	541-73-1	2.4	49	280	0.00290 U	0.00330 U	0.00420 U
1,4-Dichlorobenzene	106-46-7	1.8	13	130	0.00290 U	0.00330 U	0.00420 U
1,4-Dioxane	123-91-1	0.1	13	130	0.0590 U	0.0670 U	0.0830 U
2-Butanone	78-93-3	0.12	100	500	0.00290 U	0.00330 U	0.00420 U
2-Hexanone	591-78-6	~	~	~	0.00290 U	0.00330 U	0.00420 U
4-Methyl-2-pentanone	108-10-1	~	~	~	0.00290 U	0.00330 U	0.00420 U
Acetone	67-64-1	0.05	100	500	0.0110 J	0.0120 J	0.0130 J
Acrolein	107-02-9	~	~	~	0.00590 U	0.00670 U	0.00830 U
Acrylonitrile	107-13-1	~	~	~	0.00290 U	0.00330 U	0.00420 U
Benzene	71-43-2	0.06	4.8	44	0.00290 U	0.00330 U	0.00420 U
Bromochloromethane	74-97-5	~	~	~	0.00290 U	0.00330 U	0.00420 U
Bromodichloromethane	75-27-4	~	~	~	0.00290 U	0.00330 U	0.00420 U
Bromoform	75-25-2	~	~	~	0.00290 U	0.00330 U	0.00420 U
Bromomethane	74-83-9	~	~	~	0.00290 U	0.00330 U	0.00420 U
Carbon disulfide	75-15-0	~	~	~	0.00290 U	0.00330 U	0.00420 U
Carbon tetrachloride	56-23-5	0.76	2.4	22	0.00290 U	0.00330 U	0.00420 U
Chlorobenzene	108-90-7	1.1	100	500	0.00290 U	0.00330 U	0.00420 U
Chloroethane	75-00-3	~	~	~	0.00290 U	0.00330 U	0.00420 U
Chloroform	67-66-3	0.37	49	350	0.00290 U	0.00330 U	0.00420 U
Chloromethane	74-87-3	~	~	~	0.00290 U	0.00330 U	0.00420 U
cis-1,2-Dichloroethylene	156-59-2	0.25	100	500	0.0860 U	0.0140 U	2.700 D
cis-1,3-Dichloropropylene	10061-01-5	~	~	~	0.00290 U	0.00330 U	0.00420 U
Cyclohexane	110-82-7	~	~	~	0.00290 U	0.00330 U	0.00420 U
Dibromochloromethane	124-48-1	~	~	~	0.00290 U	0.00330 U	0.00420 U
Dibromomethane	74-95-3	~	~	~	0.00290 U	0.00330 U	0.00420 U
Dichlorodifluoromethane	75-71-8	~	~	~	0.00290 U	0.00330 U	0.00420 U
Ethyl Benzene	100-41-4	1	41	390	0.00290 U	0.00330 U	0.00420 U
Hexachlorobutadiene	87-68-3	~	~	~	0.00290 U	0.00330 U	0.00420 U
Isopropylbenzene	98-82-8	~	~	~	0.00290 U	0.00330 U	0.00420 U
Methyl acetate	79-20-9	~	~	~	0.00290 U	0.00330 U	0.00420 U
Methyl tert-butyl ether (MTBE)	1634-04-4	0.93	100	500	0.00290 U	0.00330 U	0.00420 U
Methylcyclohexane	108-87-2	~	~	~	0.00290 U	0.00330 U	0.00420 U
Methylene chloride	75-09-2	0.05	100	500	0.00590 U	0.00670 U	0.00830 U
n-Butylbenzene	104-51-8	12	100	500	0.00290 U	0.00330 U	0.00420 U
n-Propylbenzene	103-65-1	3.9	100	500	0.00290 U	0.00330 U	0.00420 U
o-Xylene	95-47-6	~	~	~	0.00290 U	0.00330 U	0.00420 U
p- & m- Xylenes	179601-23-1	~	~	~	0.00590 U	0.00670 U	0.00830 U
p-Isopropyltoluene	99-87-6	~	~	~	0.00290 U	0.00330 U	0.00420 U
sec-Butylbenzene	135-98-8	11	100	500	0.00290 U	0.00330 U	0.00420 U
Styrene	100-42-5	~	~	~	0.00290 U	0.00330 U	0.00420 U
tert-Butyl alcohol (TBA)	75-65-0	~	~	~	0.00290 U	0.00330 U	0.00420 U
tert-Butylbenzene	98-06-6	5.9	100	500	0.00290 U	0.00330 U	0.00420 U
Tetrachloroethylene	127-18-4	1.3	19	150	0.330 U	0.130 U	21.0 D
Toluene	108-88-3	0.7	100	500	0.00290 U	0.00330 U	0.00420 U
trans-1,2-Dichloroethylene	156-60-5	0.19	100	500	0.00290 U	0.00330 U	0.00600 J
trans-1,3-Dichloropropylene	10061-02-6	~	~	~	0.00290 U	0.00330 U	0.00420 U
trans-1,4-dichloro-2-butene	110-57-6	~	~	~	0.00290 U	0.00330 U	0.00420 U
Trichloroethylene	79-01-6	0.47	21	200	0.0550 U	0.0150 U	3.300 D
Trichlorofluoromethane	75-69-4	~	~	~	0.00290 U	0.00330 U	0.00420 U
Vinyl Chloride	75-01-4	0.02	0.9	13	0.00290 U	0.00330 U	0.00420 U
Xylenes, Total	1330-20-7	0.26	100	500	0.00880 U	0.0100 U	0.0120 U
Total Solids					%	%	%
Dilution Factor					1	1	1
% Solids	solids	~	~	~	78.800	77.700	79.600

NOTES:

Yellow highlight indicates exceedance of NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives
 Orange highlight indicates exceedance of NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives
 Green highlight indicates exceedance of NYSDEC Part 375 Commercial Use Soil Cleanup Objectives

Q is the Qualifier Column with definitions as follows:

- D= result is from an analysis that required a dilution
- J= analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
- U= analyte not detected at or above the level indicated
- B= analyte found in the analysis batch blank
- E= result is estimated and cannot be accurately reported due to levels encountered or interferences
- ~= this indicates that no regulatory limit has been established for this analyte



Sample Information

Client Sample ID: SB01

York Sample ID: 19H0455-01

York Project (SDG) No.
19H0455

Client Project ID
AJPL1902

Matrix
Soil

Collection Date/Time
August 9, 2019 12:05 pm

Date Received
08/09/2019

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	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/13/2019 07:30	08/13/2019 14:54	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/13/2019 07:30	08/13/2019 14:54	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/13/2019 07:30	08/13/2019 14:54	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
123-91-1	1,4-Dioxane	ND		ug/kg dry	59	120	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/13/2019 07:30	08/13/2019 14:54	RDS



Sample Information

Client Sample ID: SB01

York Sample ID: 19H0455-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0455

AJPL1902

Soil

August 9, 2019 12:05 pm

08/09/2019

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
78-93-3	2-Butanone	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
591-78-6	2-Hexanone	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
67-64-1	Acetone	11	J	ug/kg dry	5.9	12	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
107-02-8	Acrolein	ND		ug/kg dry	5.9	12	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
71-43-2	Benzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/13/2019 07:30	08/13/2019 14:54	RDS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
75-25-2	Bromoform	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
74-83-9	Bromomethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
75-00-3	Chloroethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
67-66-3	Chloroform	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
74-87-3	Chloromethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
156-59-2	cis-1,2-Dichloroethylene	86		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
110-82-7	Cyclohexane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/13/2019 07:30	08/13/2019 14:54	RDS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/13/2019 07:30	08/13/2019 14:54	RDS
74-95-3	Dibromomethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/13/2019 07:30	08/13/2019 14:54	RDS



Sample Information

Client Sample ID: SB01

York Sample ID: 19H0455-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0455

AJPL1902

Soil

August 9, 2019 12:05 pm

08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: NELAC-NY 10854,NELAC-NY 12058,NJDEP,PAI	08/13/2019 07:30	08/13/2019 14:54	RDS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: NELAC-NY 10854,NELAC-NY 12058,NJDEP,PAI	08/13/2019 07:30	08/13/2019 14:54	RDS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
79-20-9	Methyl acetate	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: NELAC-NY 10854,NELAC-NY 12058,NJDEP,PAI	08/13/2019 07:30	08/13/2019 14:54	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: NELAC-NY 10854,NELAC-NY 12058,NJDEP,PAI	08/13/2019 07:30	08/13/2019 14:54	RDS
75-09-2	Methylene chloride	ND		ug/kg dry	5.9	12	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
95-47-6	o-Xylene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,PA	08/13/2019 07:30	08/13/2019 14:54	RDS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.9	12	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,PA	08/13/2019 07:30	08/13/2019 14:54	RDS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
100-42-5	Styrene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.9	29	1	EPA 8260C Certifications: NELAC-NY 10854,NELAC-NY 12058,NJDEP,PAI	08/13/2019 07:30	08/13/2019 14:54	RDS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
127-18-4	Tetrachloroethylene	330		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
108-88-3	Toluene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.9	5.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/13/2019 07:30	08/13/2019 14:54	RDS



Sample Information

Client Sample ID: SB01

York Sample ID: 19H0455-01

York Project (SDG) No. 19H0455

Client Project ID AJPL1902

Matrix Soil

Collection Date/Time August 9, 2019 12:05 pm

Date Received 08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include trans-1,4-dichloro-2-butene, Trichloroethylene, Trichlorofluoromethane, Vinyl Chloride, Xylenes, Total, and Surrogate Recoveries.

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: % Solids, 78.8.

Sample Information

Client Sample ID: SB02

York Sample ID: 19H0455-02

York Project (SDG) No. 19H0455

Client Project ID AJPL1902

Matrix Soil

Collection Date/Time August 9, 2019 12:10 pm

Date Received 08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, and 1,1,2,2-Tetrachloroethane.



Sample Information

Client Sample ID: SB02

York Sample ID: 19H0455-02

York Project (SDG) No.
19H0455

Client Project ID
AJPL1902

Matrix
Soil

Collection Date/Time
August 9, 2019 12:10 pm

Date Received
08/09/2019

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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 13:16	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/12/2019 07:30	08/12/2019 13:16	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 13:16	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	67	130	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 13:16	SS
78-93-3	2-Butanone	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
591-78-6	2-Hexanone	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
67-64-1	Acetone	12	J	ug/kg dry	6.7	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS



Sample Information

Client Sample ID: SB02

York Sample ID: 19H0455-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0455

AJPL1902

Soil

August 9, 2019 12:10 pm

08/09/2019

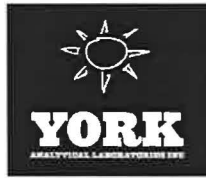
Volatile Organics, 8260 - Comprehensive

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
107-02-8	Acrolein	ND		ug/kg dry	6.7	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
71-43-2	Benzene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 13:16	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
75-25-2	Bromoform	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
67-66-3	Chloroform	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
156-59-2	cis-1,2-Dichloroethylene	14		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
110-82-7	Cyclohexane	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 13:16	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 13:16	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 13:16	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 13:16	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 13:16	SS



Sample Information

Client Sample ID: SB02

York Sample ID: 19H0455-02

York Project (SDG) No.
19H0455

Client Project ID
AJPL1902

Matrix
Soil

Collection Date/Time
August 9, 2019 12:10 pm

Date Received
08/09/2019

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	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
79-20-9	Methyl acetate	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: NELAC-NY 10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 13:16	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: NELAC-NY 10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 13:16	SS
75-09-2	Methylene chloride	ND		ug/kg dry	6.7	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	08/12/2019 07:30	08/12/2019 13:16	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.7	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	08/12/2019 07:30	08/12/2019 13:16	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
100-42-5	Styrene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	3.3	33	1	EPA 8260C Certifications: NELAC-NY 10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 13:16	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
127-18-4	Tetrachloroethylene	130		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
108-88-3	Toluene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH	08/12/2019 07:30	08/12/2019 13:16	SS
79-01-6	Trichloroethylene	15		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.3	6.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:16	SS



Sample Information

Client Sample ID: SB02

York Sample ID: 19H0455-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0455

AJPL1902

Soil

August 9, 2019 12:10 pm

08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes row for % Solids.

Sample Information

Client Sample ID: SB05

York Sample ID: 19H0455-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0455

AJPL1902

Soil

August 9, 2019 12:15 pm

08/09/2019

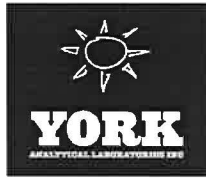
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for various chloroethane and dichloroethylene compounds.



Sample Information

Client Sample ID: SB05

York Sample ID: 19H0455-05

York Project (SDG) No.
19H0455

Client Project ID
AJPL1902

Matrix
Soil

Collection Date/Time
August 9, 2019 12:15 pm

Date Received
08/09/2019

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	IS-LO	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 13:41	SS
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/12/2019 07:30	08/12/2019 13:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 13:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	83	170	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 13:41	SS
78-93-3	2-Butanone	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
591-78-6	2-Hexanone	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
67-64-1	Acetone	13	J	ug/kg dry	8.3	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
107-02-8	Acrolein	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
71-43-2	Benzene	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 13:41	SS



Sample Information

Client Sample ID: SB05

York Sample ID: 19H0455-05

York Project (SDG) No.
19H0455

Client Project ID
AJPL1902

Matrix
Soil

Collection Date/Time
August 9, 2019 12:15 pm

Date Received
08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
75-25-2	Bromoform	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
74-83-9	Bromomethane	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
75-00-3	Chloroethane	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
67-66-3	Chloroform	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
74-87-3	Chloromethane	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
156-59-2	cis-1,2-Dichloroethylene	2700		ug/kg dry	500	1000	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/13/2019 07:30	08/13/2019 16:13	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
110-82-7	Cyclohexane	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 13:41	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 13:41	SS
74-95-3	Dibromomethane	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 13:41	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 13:41	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
87-68-3	Hexachlorobutadiene	ND	IS-LO	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 13:41	SS
98-82-8	Isopropylbenzene	ND	IS-LO	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
79-20-9	Methyl acetate	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 13:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 13:41	SS



Sample Information

Client Sample ID: SB05

York Sample ID: 19H0455-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0455

AJPL1902

Soil

August 9, 2019 12:15 pm

08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
104-51-8	n-Butylbenzene	ND	IS-LO	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
103-65-1	n-Propylbenzene	ND	IS-LO	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
95-47-6	o-Xylene	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,PA	08/12/2019 07:30	08/12/2019 13:41	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,PA	08/12/2019 07:30	08/12/2019 13:41	SS
99-87-6	p-Isopropyltoluene	ND	IS-LO	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
135-98-8	sec-Butylbenzene	ND	IS-LO	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
100-42-5	Styrene	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.2	42	1	EPA 8260C Certifications: NELAC-NY 10854,NELAC-NY 12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 13:41	SS
98-06-6	tert-Butylbenzene	ND	IS-LO	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
127-18-4	Tetrachloroethylene	21000		ug/kg dry	500	1000	100	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/13/2019 07:30	08/13/2019 16:13	RDS
108-88-3	Toluene	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
156-60-5	trans-1,2-Dichloroethylene	6.0	J	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND	IS-LO	ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH	08/12/2019 07:30	08/12/2019 13:41	SS
79-01-6	Trichloroethylene	3300		ug/kg dry	500	1000	100	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/13/2019 07:30	08/13/2019 16:13	RDS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	4.2	8.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	12	25	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/12/2019 07:30	08/12/2019 13:41	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	106 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	113 %	85-120								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	117 %	76-130								



Sample Information

Client Sample ID: SB05

York Sample ID: 19H0455-05

York Project (SDG) No.
19H0455

Client Project ID
AJPL1902

Matrix
Soil

Collection Date/Time
August 9, 2019 12:15 pm

Date Received
08/09/2019

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	79.6		%	0.100		SM 2540G Certifications: CTDOH	08/12/2019 20:29	08/13/2019 12:18	TAJ



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19H0455-01	SB01	40mL Vial with Stir Bar-Cool 4° C
19H0455-02	SB02	40mL Vial with Stir Bar-Cool 4° C
19H0455-05	SB05	40mL Vial with Stir Bar-Cool 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.
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.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
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).

Definitions and Other Explanations

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

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

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

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



Certification for pH is no longer offered by NYDOH ELAP.

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

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



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YORK
 ANALYTICAL LABORATORIES, INC.

Field Chain-of-Custody Record

YORK Project No.

19H0455

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:	YOUR Project Number	Turn-Around Time
Company: <u>Castleton Environmental</u>	Company:	Company:	Company:	<u>AJPL1902</u>	RUSH - Next Day
Address: <u>54 George St Babylon, NY</u>	Address:	Address:	Address:		RUSH - Two Day
Phone: <u>631 482 1818</u>	Phone:	Phone: <u>SAME</u>	Phone: <u>SAME</u>	YOUR Project Name	RUSH - Three Day
Contact: <u>Jessica Ingram</u>	Contact:	Contact:	Contact:	<u>AJPL1902</u>	RUSH - Four Day
E-mail: <u>jessica@castletonenv.com</u>	E-mail:	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) <input checked="" type="checkbox"/>

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.

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
<u>S1301</u>	<u>S</u>	<u>8/9/14 12:05</u>	<u>VOCs by USEPA Method 8160</u>	<u>Kerracore 15T</u>
<u>S1302</u>	<u> </u>	<u>12:10</u>	<u> </u>	<u> </u>
<u>S1303</u>	<u> </u>	<u>12:20</u>	<u> </u>	<u> </u>
<u>S1304</u>	<u> </u>	<u>12:25</u>	<u> </u>	<u> </u>
<u>S1305</u>	<u> </u>	<u>12:15</u>	<u> </u>	<u> </u>

Comments: <u>Keep samples S1303 + S1304 on hold pending further results please</u>			Preservation: (check all that apply) HCl ___ MeOH ___ HNO ₃ ___ H ₂ SO ₄ ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___		Special Instruction Field Filtered ___ Lab to Filter ___
Samples Relinquished by / Company <u>CK/SW</u>	Date/Time <u>8/14/14 1341</u>	Samples Received by / Company <u>KK/WL</u>	Date/Time <u>8-9-14 1341</u>	Samples Relinquished by / Company <u>KK/WL</u>	Date/Time <u>8-4-14 1346</u>
Samples Received by / Company <u>Touff / York</u>	Date/Time <u>8/9/14 17:00</u>	Samples Relinquished by / Company <u>Touff / York</u>	Date/Time <u>8/9/14 1918</u>	Samples Received by / Company <u>7 Gal</u>	Date/Time <u>8-9-14 1918</u>
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Temp. Received at Lab <u>2.5</u> Degrees C

TABLE
GROUNDWATER ANALYTICAL SUMMARY
2921 WESTCHESTER AVENUE, BRONX, NEW YORK

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA	GW01 19H0456-01 8/9/2019 11:20:00 AM Water		GW02 19H0456-02 8/9/2019 11:50:00 AM Water		GW03 19H0456-03 8/9/2019 12:00:00 PM Water	
York ID			Result	Q	Result	Q	Result	Q
Sampling Date			ug/L		ug/L		ug/L	
Client Matrix	CAS Number							
Compound	CAS Number							
Volatile Organics, 8260 - Comprehensive		ug/L	ug/L		ug/L		ug/L	
Dilution Factor			2		2		2	
1,1,1,2-Tetrachloroethane	630-20-6	5	0.400	U	0.400	U	0.400	U
1,1,1-Trichloroethane	71-55-6	5	0.400	U	0.400	U	0.400	U
1,1,2,2-Tetrachloroethane	79-34-5	5	0.400	U	0.400	U	0.400	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	0.400	U	0.400	U	0.400	U
1,1,2-Trichloroethane	79-00-5	1	0.400	U	0.400	U	0.400	U
1,1-Dichloroethane	75-34-3	5	0.400	U	0.400	U	0.400	U
1,1-Dichloroethylene	75-35-4	5	0.400	U	0.400	U	0.400	U
1,2,3-Trichlorobenzene	87-61-6	5	0.400	U	0.400	U	0.400	U
1,2,3-Trichloropropane	96-18-4	0.04	0.400	U	0.400	U	0.400	U
1,2,4-Trichlorobenzene	120-82-1	5	0.400	U	0.400	U	0.400	U
1,2,4-Trimethylbenzene	95-63-6	5	0.400	U	0.400	U	0.400	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	0.400	U	0.400	U	0.400	U
1,2-Dibromoethane	106-93-4	0.0006	0.400	U	0.400	U	0.400	U
1,2-Dichlorobenzene	95-50-1	3	0.400	U	0.400	U	0.400	U
1,2-Dichloroethane	107-06-2	0.6	0.400	U	0.400	U	0.400	U
1,2-Dichloropropane	78-87-5	1	0.400	U	0.400	U	0.400	U
1,3,5-Trimethylbenzene	108-67-8	5	0.400	U	0.400	U	0.400	U
1,3-Dichlorobenzene	541-73-1	3	0.400	U	0.400	U	0.400	U
1,4-Dichlorobenzene	106-46-7	3	0.400	U	0.400	U	0.400	U
1,4-Dioxane	123-91-1	~	80	U	80	U	80	U
2-Butanone	78-93-3	50	7.800	D	0.400	U	0.400	U
2-Hexanone	591-78-6	50	0.400	U	0.400	U	0.400	U
4-Methyl-2-pentanone	108-10-1	~	0.400	U	0.400	U	0.400	U
Acetone	67-64-1	50	3.200	JD	2	U	2	U
Acrolein	107-02-8	~	0.400	U	0.400	U	0.400	U
Acrylonitrile	107-13-1	~	0.400	U	0.400	U	0.400	U
Benzene	71-43-2	1	0.400	U	0.400	U	0.400	U
Bromochloromethane	74-97-5	5	0.400	U	0.400	U	0.400	U
Bromodichloromethane	75-27-4	50	0.400	U	0.400	U	0.400	U
Bromoform	75-25-2	50	0.400	U	0.400	U	0.400	U
Bromomethane	74-83-9	5	0.400	U	0.400	U	0.400	U
Carbon disulfide	75-15-0	~	0.400	U	0.400	U	0.400	U
Carbon tetrachloride	56-23-5	5	0.400	U	0.400	U	0.400	U
Chlorobenzene	108-90-7	5	0.400	U	0.400	U	0.400	U
Chloroethane	75-00-3	5	0.400	U	0.400	U	0.400	U
Chloroform	67-66-3	7	0.400	U	0.400	U	0.400	U
Chloromethane	74-87-3	5	0.400	U	0.400	U	0.400	U
cis-1,2-Dichloroethylene	156-59-2	5	32	D	96	D	93	D
cis-1,3-Dichloropropylene	10061-01-5	0.4	0.400	U	0.400	U	0.400	U
Cyclohexane	110-82-7	~	0.400	U	0.400	U	0.400	U
Dibromochloromethane	124-48-1	50	0.400	U	0.400	U	0.400	U
Dibromomethane	74-95-3	~	0.400	U	0.400	U	0.400	U
Dichlorodifluoromethane	75-71-8	5	0.400	U	0.400	U	0.400	U
Ethyl Benzene	100-41-4	5	0.400	U	0.400	U	0.400	U
Hexachlorobutadiene	87-68-3	0.5	0.400	U	0.400	U	0.400	U
Isopropylbenzene	98-82-8	5	0.400	U	0.400	U	0.400	U
Methyl acetate	79-20-9	~	0.400	U	0.400	U	0.400	U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	0.400	U	0.400	U	0.400	U
Methylcyclohexane	108-87-2	~	0.400	U	0.400	U	0.400	U
Methylene chloride	75-09-2	5	2	U	2	U	2	U
n-Butylbenzene	104-51-8	5	0.400	U	0.400	U	0.400	U
n-Propylbenzene	103-65-1	5	0.400	U	0.400	U	0.400	U
o-Xylene	95-47-6	5	0.400	U	0.400	U	0.400	U
p- & m- Xylenes	179601-23-1	5	1	U	1	U	1	U
p-Isopropyltoluene	99-87-6	5	0.400	U	0.400	U	0.400	U
sec-Butylbenzene	135-98-8	5	0.400	U	0.400	U	0.400	U
Styrene	100-42-5	5	0.400	U	0.400	U	0.400	U
tert-Butyl alcohol (TBA)	75-65-0	~	1	U	1	U	1	U
tert-Butylbenzene	98-06-6	5	0.400	U	0.400	U	0.400	U
Tetrachloroethylene	127-18-4	5	130	D	72	D	67	D
Toluene	108-88-3	5	0.400	U	0.400	U	0.400	U
trans-1,2-Dichloroethylene	156-60-5	5	0.400	U	0.600	JD	0.600	JD
trans-1,3-Dichloropropylene	10061-02-6	0.4	0.400	U	0.400	U	0.400	U
trans-1,4-dichloro-2-butene	110-57-6	~	0.400	U	0.400	U	0.400	U
Trichloroethylene	79-01-6	5	9.800	D	18	D	18	D
Trichlorofluoromethane	75-69-4	5	0.400	U	0.400	U	0.400	U
Vinyl Chloride	75-01-4	2	1.400	D	1.100	D	1.100	D
Xylenes, Total	1330-20-7	5	1.200	U	1.200	U	1.200	U

NOTES:

Yellow highlight exceeds TOGS 1.1.1 Class GA Water Quality Standards and Guidance

Gray highlight indicates that the compound was reported as non-detect however, the laboratory reporting limit exceeds TOGS 1.1.1 Class GA Water Quality Standards and Guidance

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

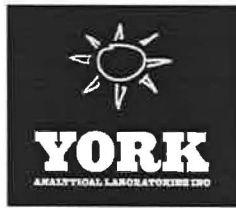
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

~=this indicates that no regulatory limit has been established for this analyte



Technical Report

prepared for:

Castleton Environmental
54 George Street
Babylon NY, 11702
Attention: Jessica Ferngren

Report Date: 08/13/2019
Client Project ID: AJPL 1902
York Project (SDG) No.: 19H0456

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 08/13/2019
Client Project ID: AJPL 1902
York Project (SDG) No.: 19H0456

Castleton Environmental
54 George Street
Babylon NY, 11702
Attention: Jessica Ferngren

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 09, 2019 with a temperature of 2.5 C. The project was identified as your project: **AJPL 1902**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
19H0456-01	GW01	Water	08/09/2019	08/09/2019
19H0456-02	GW02	Water	08/09/2019	08/09/2019
19H0456-03	GW03	Water	08/09/2019	08/09/2019

General Notes for York Project (SDG) No.: 19H0456

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:



Benjamin Gulizia
Laboratory Director

Date: 08/13/2019





Sample Information

Client Sample ID: GW01

York Sample ID: 19H0456-01

York Project (SDG) No.
19H0456

Client Project ID
AJPL 1902

Matrix
Water

Collection Date/Time
August 9, 2019 11:20 am

Date Received
08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

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	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 15:44	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 15:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 15:44	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
123-91-1	1,4-Dioxane	ND		ug/L	80	80	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 15:44	SS
78-93-3	2-Butanone	7.8		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS



Sample Information

Client Sample ID: GW01

York Sample ID: 19H0456-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0456

AJPL 1902

Water

August 9, 2019 11:20 am

08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
67-64-1	Acetone	3.2	J	ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
107-02-8	Acrolein	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
107-13-1	Acrylonitrile	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
71-43-2	Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
74-97-5	Bromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 15:44	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
74-83-9	Bromomethane	ND		ug/L	0.40	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
75-15-0	Carbon disulfide	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
108-90-7	Chlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
75-00-3	Chloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
67-66-3	Chloroform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
74-87-3	Chloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
156-59-2	cis-1,2-Dichloroethylene	32		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
110-82-7	Cyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 15:44	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 15:44	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 15:44	SS



Sample Information

Client Sample ID: GW01

York Sample ID: 19H0456-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0456

AJPL 1902

Water

August 9, 2019 11:20 am

08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 15:44	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
79-20-9	Methyl acetate	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 15:44	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 15:44	SS
75-09-2	Methylene chloride	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
95-47-6	o-Xylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	08/12/2019 07:30	08/12/2019 15:44	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	2.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	08/12/2019 07:30	08/12/2019 15:44	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	1.0	5.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 15:44	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
127-18-4	Tetrachloroethylene	130		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
108-88-3	Toluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
79-01-6	Trichloroethylene	9.8		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS



Sample Information

Client Sample ID: GW01

York Sample ID: 19H0456-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0456

AJPL 1902

Water

August 9, 2019 11:20 am

08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
75-01-4	Vinyl Chloride	1.4		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.2	3.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 15:44	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	87.0 %			69-130						
2037-26-5	Surrogate: SURRE: Toluene-d8	94.8 %			81-117						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	102 %			79-122						

Sample Information

Client Sample ID: GW02

York Sample ID: 19H0456-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0456

AJPL 1902

Water

August 9, 2019 11:50 am

08/09/2019

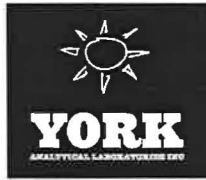
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

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	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 16:13	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 16:13	SS



Sample Information

Client Sample ID: GW02

York Sample ID: 19H0456-02

York Project (SDG) No.
19H0456

Client Project ID
AJPL 1902

Matrix
Water

Collection Date/Time
August 9, 2019 11:50 am

Date Received
08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 16:13	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
123-91-1	1,4-Dioxane	ND		ug/L	80	80	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 16:13	SS
78-93-3	2-Butanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
591-78-6	2-Hexanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
67-64-1	Acetone	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
107-02-8	Acrolein	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
107-13-1	Acrylonitrile	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
71-43-2	Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
74-97-5	Bromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAC	08/12/2019 07:30	08/12/2019 16:13	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS



Sample Information

Client Sample ID: GW02

York Sample ID: 19H0456-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0456

AJPL 1902

Water

August 9, 2019 11:50 am

08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/L	0.40	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
75-15-0	Carbon disulfide	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
108-90-7	Chlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
75-00-3	Chloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
67-66-3	Chloroform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
74-87-3	Chloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
156-59-2	cis-1,2-Dichloroethylene	96		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
110-82-7	Cyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 16:13	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 16:13	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 16:13	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 16:13	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
79-20-9	Methyl acetate	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 16:13	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 16:13	SS
75-09-2	Methylene chloride	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS



Sample Information

Client Sample ID: GW02

York Sample ID: 19H0456-02

York Project (SDG) No.
19H0456

Client Project ID
AJPL 1902

Matrix
Water

Collection Date/Time
August 9, 2019 11:50 am

Date Received
08/09/2019

Volatiles Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

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
103-65-1	n-Propylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
95-47-6	o-Xylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	08/12/2019 07:30	08/12/2019 16:13	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	2.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	08/12/2019 07:30	08/12/2019 16:13	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	1.0	5.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 16:13	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
127-18-4	Tetrachloroethylene	72		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
108-88-3	Toluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
156-60-5	trans-1,2-Dichloroethylene	0.60	J	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
79-01-6	Trichloroethylene	18		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
75-01-4	Vinyl Chloride	1.1		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.2	3.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:13	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	84.0 %			69-130						
2037-26-5	Surrogate: SURRE: Toluene-d8	96.2 %			81-117						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	95.2 %			79-122						



Sample Information

Client Sample ID: GW03

York Sample ID: 19H0456-03

York Project (SDG) No.
19H0456

Client Project ID
AJPL 1902

Matrix
Water

Collection Date/Time
August 9, 2019 12:00 pm

Date Received
08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

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	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 16:43	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 16:43	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 16:43	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
123-91-1	1,4-Dioxane	ND		ug/L	80	80	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 16:43	SS
78-93-3	2-Butanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS



Sample Information

Client Sample ID: GW03

York Sample ID: 19H0456-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0456

AJPL 1902

Water

August 9, 2019 12:00 pm

08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
67-64-1	Acetone	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
107-02-8	Acrolein	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
107-13-1	Acrylonitrile	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
71-43-2	Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
74-97-5	Bromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 16:43	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
74-83-9	Bromomethane	ND		ug/L	0.40	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
75-15-0	Carbon disulfide	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
108-90-7	Chlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
75-00-3	Chloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
67-66-3	Chloroform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
74-87-3	Chloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
156-59-2	cis-1,2-Dichloroethylene	93		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
110-82-7	Cyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 16:43	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	08/12/2019 07:30	08/12/2019 16:43	SS



Sample Information

Client Sample ID: GW03

York Sample ID: 19H0456-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0456

AJPL 1902

Water

August 9, 2019 12:00 pm

08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

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	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 16:43	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 16:43	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
79-20-9	Methyl acetate	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 16:43	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 16:43	SS
75-09-2	Methylene chloride	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
95-47-6	o-Xylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	08/12/2019 07:30	08/12/2019 16:43	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	2.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	08/12/2019 07:30	08/12/2019 16:43	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	1.0	5.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	08/12/2019 07:30	08/12/2019 16:43	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
127-18-4	Tetrachloroethylene	67		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
108-88-3	Toluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
156-60-5	trans-1,2-Dichloroethylene	0.60	J	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS



Sample Information

Client Sample ID: GW03

York Sample ID: 19H0456-03

York Project (SDG) No.
19H0456

Client Project ID
AJPL 1902

Matrix
Water

Collection Date/Time
August 9, 2019 12:00 pm

Date Received
08/09/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: V-Sed

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
79-01-6	Trichloroethylene	18		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
75-01-4	Vinyl Chloride	1.1		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.2	3.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NELAC-NY 12058,NJ	08/12/2019 07:30	08/12/2019 16:43	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	85.8 %			69-130						
2037-26-5	Surrogate: SURRE: Toluene-d8	95.7 %			81-117						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	98.4 %			79-122						



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19H0456-01	GW01	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19H0456-02	GW02	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19H0456-03	GW03	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

- V-Sed: The aqueous sample submitted contained appreciable sediment which would not allow introduction into the analytical system. A dilution was made to accomplish analysis. This resulted in elevated Reporting 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.
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).

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.



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

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



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Field Chain-of-Custody Record

YORK Project No.
 19140456
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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

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: <u>Castleton Environmental</u>	Company:	Company:	<u>A5PL1902</u>	RUSH - Next Day
Address: <u>54 George St Babylon, NY</u>	Address:	Address:		RUSH - Two Day
Phone: <u>631 452 1818</u>	Phone: <u>SAME</u>	Phone: <u>SAME</u>	YOUR Project Name	RUSH - Three Day <input checked="" type="checkbox"/>
Contact: <u>Jessica Trangen</u>	Contact:	Contact:	<u>A5PL1902</u>	RUSH - Four Day
E-mail: <u>jstran@castletonenv.com</u>	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) <input checked="" type="checkbox"/>

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
<u>GW01</u>	<u>GW</u>	<u>8/9/19 11:30</u>	<u>VOCs by USEPA Method 8260</u>	<u>3 Vials</u>
<u>GW02</u>	<u>↓</u>	<u>↓ 11:50</u>	<u>↓</u>	<u>↓</u>
<u>GW03</u>	<u>↓</u>	<u>↓ 12:00</u>	<u>↓</u>	<u>↓</u>

Comments:	Preservation: (check all that apply)	Special Instruction
	HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___	Field Filtered ___ Lab to Filter ___

Samples Relinquished by: <u>[Signature]</u>	Date/Time: <u>8/9/19 13:41</u>	Samples Received by: <u>[Signature]</u>	Date/Time: <u>8-9-19 1341</u>	Samples Relinquished by: <u>[Signature]</u>	Date/Time: <u>8-9-19 1546</u>
Received by: <u>Toua / [Signature]</u>	Date/Time: <u>8/9/19 3:20</u>	Samples Relinquished by: <u>Toua / [Signature]</u>	Date/Time: <u>8/9/19 1418</u>	Samples Received by: <u>[Signature]</u>	Date/Time: <u>[Signature]</u>
Relinquished by: <u>[Signature]</u>	Date/Time: <u>[Signature]</u>	Samples Received in LAB by: <u>[Signature]</u>	Date/Time: <u>8/9/19 1918</u>	Temp. Received at Lab: <u>2.5</u>	

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