TABLE 2

GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Effluent Water Quality Results

Date Sampled [2/]	pH [1/]	TDS [4/] (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis-1,2-DCE (ug/l)	trans-1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	**6.5 to 8.5**	**---**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**---**	**10**	**7**	**---**	**---**
2-Jul-18	6.8	114	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.50	0.127
28-Aug-18	6.9	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.124	0.125
21-Sep-18	6.8	155	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	7.48	0.0369
5-Oct-18	6.9	145	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.66	ND<0.278
1-Nov-18	6.8	193	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.838	ND<0.278
5-Dec-18	6.9	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.845	ND<0.278
3-Jan-19	6.9	85	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.32	ND<0.278
1-Feb-19	6.9	126	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.641	ND<0.278
1-Mar-19	6.9	142	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	6.31	ND<0.278
2-Apr-19	6.9	153	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.27	ND<0.278
6-May-19	6.9	175	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.374	ND<0.278
4-Jun-19	6.0	139	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.620	ND<0.278
2-Jul-19	6.0	145	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	1.82 C,Q,B	ND<0.5	0.766	ND<0.278

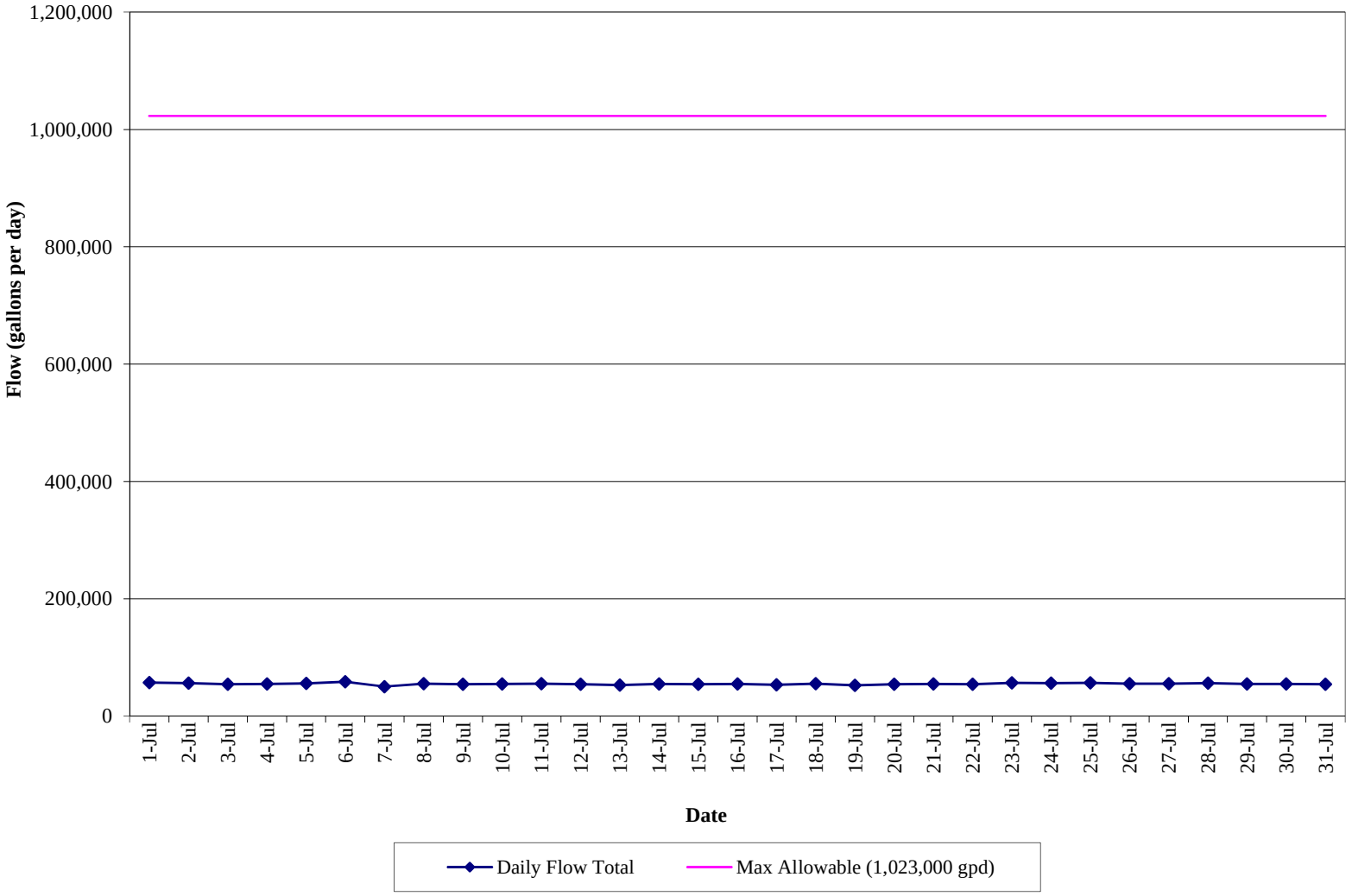
SPDES: State Pollutant Discharge Elimination System
mg/l: Milligrams per liter
ug/l: Micrograms per liter
----: Not established
NM: Not Measured
TDS: Total dissolved solids
PCE: Tetrachloroethylene
1,1,1-TCA: 1,1,1-Trichloroethane
TCE: Trichloroethene
1,1-DCA: 1,1-Dichlorothane
1,1-DCE: 1,1-Dichloroethene
cis-1,2-DCE: cis-1,2-Dichloroethene
trans-1,2,-DCE: trans-1,2-Dichloroethene

J: Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Analyte was found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
ND: Not detected NA: Not Analyzed
C = CCV-E: The value reported is estimated The value is estimated due to its behavior during continuing calibration verification.
Q = QL-02: This LCS analyte is outside Laboratory Recovery limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

Notes:
1. Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5. The pH of the effluent sample collected on June 18, 2019 was 6.0. Historic pH measurements from recovery wells indicate that natural background pH concentrations are less than 6.5.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.
3. Starting in October 2016, FSP&T system samples are collected monthly instead of once every two weeks. The pH of the effluent water is measured two times per month in accordance with the SPDES requirements.
4. The laboratory mistakenly forgot to analyze the system effluent sample collected on August 28, 2018 for total dissolved solids (TDS).

GRAPH 1
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Effluent Flow Data
(July 1, 2019 to July 31, 2019)



APPENDIX I

JULY 2019 LABORATORY ANALYTICAL REPORTS

FOR FSP&T SYSTEM

Technical Report

prepared for:

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 07/11/2019
Client Project ID: 31401451.000 TASK 01.00
York Project (SDG) No.: 19G0184

Report Date: 07/11/2019
Client Project ID: 31401451.000 TASK 01.00
York Project (SDG) No.: 19G0184

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

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 July 03, 2019 and listed below. The project was identified as your project: **31401451.000 TASK 01.00**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
19G0184-01	WQ070219: 12:45 NP2-6	Water	07/02/2019	07/03/2019
19G0184-02	WQ070219: 12:55 NP2-10	Water	07/02/2019	07/03/2019

General Notes for York Project (SDG) No.: 19G0184

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: 07/11/2019

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ070219: 12:45 NP2-6 **York Sample ID:** 19G0184-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0184	31401451.000 TASK 01.00	Water	July 2, 2019 12:45 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 NELAC-NY10854,NELAC-NY12058,NJDEP	07/11/2019 14:57	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP

Sample Information

Client Sample ID: WQ070219: 12:45 NP2-6 **York Sample ID:** 19G0184-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0184	31401451.000 TASK 01.00	Water	July 2, 2019 12:45 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
67-66-3	**Chloroform**	**0.810**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/11/2019 14:57	TMP

Sample Information

Client Sample ID: WQ070219: 12:45 NP2-6 **York Sample ID:** 19G0184-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0184	31401451.000 TASK 01.00	Water	July 2, 2019 12:45 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
127-18-4	**Tetrachloroethylene**	**0.380**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	07/11/2019 07:00	07/11/2019 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*100 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.4 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*116 %*	*70-130*

Sample Information

Client Sample ID: WQ070219: 12:55 NP2-10 **York Sample ID:** 19G0184-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0184	31401451.000 TASK 01.00	Water	July 2, 2019 12:55 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP NELAC-NY10854,NELAC-NY12058,NJDEP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: WQ070219: 12:55 NP2-10 **York Sample ID:** 19G0184-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0184	31401451.000 TASK 01.00	Water	July 2, 2019 12:55 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/08/2019 20:18	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: WQ070219: 12:55 NP2-10 **York Sample ID:** 19G0184-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0184	31401451.000 TASK 01.00	Water	July 2, 2019 12:55 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2019 20:18	TMP
91-20-3	**Naphthalene**	**1.82**	CCV-E, QL-02, B	ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/05/2019 07:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2019 20:18	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2019 20:18	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2019 20:18	TMP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	07/08/2019 20:18	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	07/08/2019 20:18	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2019 20:18	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2019 20:18	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2019 20:18	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2019 20:18	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2019 20:18	TMP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2019 20:18	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2019 20:18	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2019 20:18	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2019 20:18	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2019 20:18	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/08/2019 20:18	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/08/2019 20:18	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*94.8 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.1 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*112 %*	*70-130*

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: WQ070219: 12:55 NP2-10 **York Sample ID:** 19G0184-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0184	31401451.000 TASK 01.00	Water	July 2, 2019 12:55 pm	07/03/2019

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.766**		mg/L	0.278	1	EPA 200.7	07/05/2019 10:00	07/05/2019 15:20	TJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	07/11/2019 11:00	07/11/2019 14:09	TJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Dissolved 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
	Total Dissolved Solids	**145**		mg/L	10.0	1	SM 2540C	07/08/2019 11:50	07/08/2019 11:50	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BG90224 **Preparation Method:** EPA 5030B **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
19G0184-02	WQ070219: 12:55 NP2-10	07/05/19
BG90224-BLK1	Blank	07/08/19
BG90224-BS1	LCS	07/08/19
BG90224-BSD1	LCS Dup	07/08/19

Batch ID: BG90283 **Preparation Method:** EPA 200.7 **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19G0184-02	WQ070219: 12:55 NP2-10	07/05/19
BG90283-BLK1	Blank	07/05/19
BG90283-BS1	LCS	07/05/19

Batch ID: BG90399 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
19G0184-02	WQ070219: 12:55 NP2-10	07/08/19
BG90399-BLK1	Blank	07/08/19

Batch ID: BG90587 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19G0184-02	WQ070219: 12:55 NP2-10	07/11/19
BG90587-BLK1	Blank	07/11/19
BG90587-BS1	LCS	07/11/19

Batch ID: BG90606 **Preparation Method:** EPA 5030B **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
19G0184-01	WQ070219: 12:45 NP2-6	07/11/19
BG90606-BLK1	Blank	07/11/19
BG90606-BS1	LCS	07/11/19
BG90606-BSD1	LCS Dup	07/11/19

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG90224 - EPA 5030B											
Blank (BG90224-BLK1)											Prepared & Analyzed: 07/08/2019
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
2,2-Dichloropropane	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
Acetone	ND	2.00	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	1.55	2.00	"								
n-Butylbenzene	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG90224 - EPA 5030B											
Blank (BG90224-BLK1)								Prepared & Analyzed: 07/08/2019			
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.72*		*"*	*10.0*		*97.2*	*70-130*				
Surrogate: SURR: Toluene-d8	*9.98*		*"*	*10.0*		*99.8*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*11.1*		*"*	*10.0*		*111*	*70-130*				
LCS (BG90224-BS1)								Prepared & Analyzed: 07/08/2019			
1,1,1,2-Tetrachloroethane	9.60		ug/L	10.0		96.0	82-126			30	
1,1,1-Trichloroethane	9.82		"	10.0		98.2	70-130			20	
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.4		"	10.0		124	70-130			20	
1,1,2-Trichloroethane	8.75		"	10.0		87.5	70-130			20	
1,1-Dichloroethane	10.8		"	10.0		108	70-130			20	
1,1-Dichloroethylene	10.1		"	10.0		101	70-130			20	
1,1-Dichloropropylene	10.5		"	10.0		105	83-133			30	
1,2,3-Trichlorobenzene	4.63		"	10.0		46.3	70-130	Low Bias		20	
1,2,3-Trichloropropane	9.88		"	10.0		98.8	77-128			30	
1,2,4-Trichlorobenzene	4.30		"	10.0		43.0	70-130	Low Bias		20	
1,2,4-Trimethylbenzene	11.4		"	10.0		114	82-132			20	
1,2-Dibromo-3-chloropropane	7.27		"	10.0		72.7	40-160			20	
1,2-Dibromoethane	8.35		"	10.0		83.5	70-130			20	
1,2-Dichlorobenzene	10.0		"	10.0		100	70-130			20	
1,2-Dichloroethane	8.91		"	10.0		89.1	70-130			20	
1,2-Dichloropropane	8.96		"	10.0		89.6	70-130			20	
1,3,5-Trimethylbenzene	12.4		"	10.0		124	80-131			30	
1,3-Dichlorobenzene	11.0		"	10.0		110	70-130			20	
1,3-Dichloropropane	8.67		"	10.0		86.7	81-125			30	
1,4-Dichlorobenzene	10.8		"	10.0		108	70-130			20	
2,2-Dichloropropane	8.68		"	10.0		86.8	56-150			30	
2-Chlorotoluene	11.7		"	10.0		117	79-130			30	
2-Hexanone	6.95		"	10.0		69.5	40-160			20	
4-Chlorotoluene	11.2		"	10.0		112	79-128			30	
Acetone	7.95		"	10.0		79.5	40-160			20	
Benzene	10.3		"	10.0		103	70-130			20	
Bromobenzene	11.0		"	10.0		110	78-129			30	
Bromochloromethane	9.85		"	10.0		98.5	70-130			20	
Bromodichloromethane	8.57		"	10.0		85.7	70-130			20	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG90224 - EPA 5030B											
LCS (BG90224-BS1)								Prepared & Analyzed: 07/08/2019			
Bromoform	7.71		ug/L	10.0		77.1	70-130			20	
Bromomethane	17.8		"	10.0		178	40-160	High Bias		20	
Carbon tetrachloride	10.5		"	10.0		105	70-130			20	
Chlorobenzene	9.45		"	10.0		94.5	70-130			20	
Chloroethane	12.1		"	10.0		121	40-160			20	
Chloroform	9.41		"	10.0		94.1	70-130			20	
Chloromethane	9.29		"	10.0		92.9	40-160			20	
cis-1,2-Dichloroethylene	10.0		"	10.0		100	70-130			20	
cis-1,3-Dichloropropylene	8.43		"	10.0		84.3	70-130			20	
Dibromochloromethane	8.68		"	10.0		86.8	70-130			20	
Dibromomethane	8.71		"	10.0		87.1	72-134			30	
Dichlorodifluoromethane	15.8		"	10.0		158	40-160			20	
Ethyl Benzene	9.75		"	10.0		97.5	70-130			20	
Hexachlorobutadiene	6.74		"	10.0		67.4	67-146			30	
Isopropylbenzene	11.7		"	10.0		117	70-130			20	
Methyl tert-butyl ether (MTBE)	7.20		"	10.0		72.0	70-130			20	
Methylene chloride	10.6		"	10.0		106	70-130			20	
Naphthalene	5.30		"	10.0		53.0	70-147	Low Bias		30	
n-Butylbenzene	10.8		"	10.0		108	79-132			30	
n-Propylbenzene	11.4		"	10.0		114	78-133			30	
o-Xylene	9.53		"	10.0		95.3	70-130			20	
p- & m- Xylenes	19.7		"	20.0		98.6	70-130			20	
p-Isopropyltoluene	11.4		"	10.0		114	81-136			30	
sec-Butylbenzene	12.0		"	10.0		120	79-137			30	
Styrene	9.45		"	10.0		94.5	70-130			20	
tert-Butylbenzene	12.1		"	10.0		121	77-138			30	
Tetrachloroethylene	8.88		"	10.0		88.8	70-130			20	
Toluene	9.69		"	10.0		96.9	70-130			20	
trans-1,2-Dichloroethylene	10.7		"	10.0		107	70-130			20	
trans-1,3-Dichloropropylene	7.62		"	10.0		76.2	70-130			20	
Trichloroethylene	9.27		"	10.0		92.7	70-130			20	
Trichlorofluoromethane	12.8		"	10.0		128	40-160			20	
Vinyl Chloride	11.9		"	10.0		119	70-130			20	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.16*		*"*	*10.0*		*91.6*	*70-130*				
Surrogate: SURR: Toluene-d8	*9.62*		*"*	*10.0*		*96.2*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*11.4*		*"*	*10.0*		*114*	*70-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG90224 - EPA 5030B											
LCS Dup (BG90224-BSD1)								Prepared & Analyzed: 07/08/2019			
1,1,1,2-Tetrachloroethane	9.49		ug/L	10.0		94.9	82-126		1.15	30	
1,1,1-Trichloroethane	9.21		"	10.0		92.1	70-130		6.41	20	
1,1,2,2-Tetrachloroethane	9.37		"	10.0		93.7	70-130		6.60	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	70-130		12.0	20	
1,1,2-Trichloroethane	8.66		"	10.0		86.6	70-130		1.03	20	
1,1-Dichloroethane	9.92		"	10.0		99.2	70-130		8.22	20	
1,1-Dichloroethylene	9.40		"	10.0		94.0	70-130		7.48	20	
1,1-Dichloropropylene	9.72		"	10.0		97.2	83-133		7.62	30	
1,2,3-Trichlorobenzene	4.19		"	10.0		41.9	70-130	Low Bias	9.98	20	
1,2,3-Trichloropropane	10.2		"	10.0		102	77-128		3.09	30	
1,2,4-Trichlorobenzene	5.50		"	10.0		55.0	70-130	Low Bias	24.5	20	Non-dir.
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132		8.93	20	
1,2-Dibromo-3-chloropropane	7.28		"	10.0		72.8	40-160		0.137	20	
1,2-Dibromoethane	8.76		"	10.0		87.6	70-130		4.79	20	
1,2-Dichlorobenzene	9.79		"	10.0		97.9	70-130		2.52	20	
1,2-Dichloroethane	8.59		"	10.0		85.9	70-130		3.66	20	
1,2-Dichloropropane	8.90		"	10.0		89.0	70-130		0.672	20	
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131		8.32	30	
1,3-Dichlorobenzene	10.3		"	10.0		103	70-130		6.66	20	
1,3-Dichloropropane	8.97		"	10.0		89.7	81-125		3.40	30	
1,4-Dichlorobenzene	10.0		"	10.0		100	70-130		6.83	20	
2,2-Dichloropropane	8.11		"	10.0		81.1	56-150		6.79	30	
2-Chlorotoluene	10.5		"	10.0		105	79-130		10.3	30	
2-Hexanone	7.49		"	10.0		74.9	40-160		7.48	20	
4-Chlorotoluene	10.2		"	10.0		102	79-128		8.70	30	
Acetone	8.11		"	10.0		81.1	40-160		1.99	20	
Benzene	9.95		"	10.0		99.5	70-130		3.07	20	
Bromobenzene	10.0		"	10.0		100	78-129		8.75	30	
Bromochloromethane	9.89		"	10.0		98.9	70-130		0.405	20	
Bromodichloromethane	8.34		"	10.0		83.4	70-130		2.72	20	
Bromoform	7.75		"	10.0		77.5	70-130		0.517	20	
Bromomethane	14.8		"	10.0		148	40-160		18.9	20	
Carbon tetrachloride	9.84		"	10.0		98.4	70-130		6.39	20	
Chlorobenzene	9.47		"	10.0		94.7	70-130		0.211	20	
Chloroethane	11.5		"	10.0		115	40-160		4.92	20	
Chloroform	8.98		"	10.0		89.8	70-130		4.68	20	
Chloromethane	9.08		"	10.0		90.8	40-160		2.29	20	
cis-1,2-Dichloroethylene	9.32		"	10.0		93.2	70-130		7.24	20	
cis-1,3-Dichloropropylene	8.49		"	10.0		84.9	70-130		0.709	20	
Dibromochloromethane	8.98		"	10.0		89.8	70-130		3.40	20	
Dibromomethane	8.74		"	10.0		87.4	72-134		0.344	30	
Dichlorodifluoromethane	14.0		"	10.0		140	40-160		11.7	20	
Ethyl Benzene	9.52		"	10.0		95.2	70-130		2.39	20	
Hexachlorobutadiene	6.45		"	10.0		64.5	67-146	Low Bias	4.40	30	
Isopropylbenzene	10.5		"	10.0		105	70-130		10.9	20	
Methyl tert-butyl ether (MTBE)	7.85		"	10.0		78.5	70-130		8.64	20	
Methylene chloride	10.0		"	10.0		100	70-130		5.14	20	
Naphthalene	5.57		"	10.0		55.7	70-147	Low Bias	4.97	30	
n-Butylbenzene	9.25		"	10.0		92.5	79-132		15.3	30	
n-Propylbenzene	10.5		"	10.0		105	78-133		8.85	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG90224 - EPA 5030B											
LCS Dup (BG90224-BSD1)								Prepared & Analyzed: 07/08/2019			
o-Xylene	9.24		ug/L	10.0		92.4	70-130		3.09	20	
p- & m- Xylenes	19.2		"	20.0		95.8	70-130		2.98	20	
p-Isopropyltoluene	10.2		"	10.0		102	81-136		10.4	30	
sec-Butylbenzene	10.8		"	10.0		108	79-137		10.3	30	
Styrene	9.18		"	10.0		91.8	70-130		2.90	20	
tert-Butylbenzene	10.7		"	10.0		107	77-138		12.4	30	
Tetrachloroethylene	8.40		"	10.0		84.0	70-130		5.56	20	
Toluene	9.14		"	10.0		91.4	70-130		5.84	20	
trans-1,2-Dichloroethylene	10.1		"	10.0		101	70-130		5.88	20	
trans-1,3-Dichloropropylene	7.84		"	10.0		78.4	70-130		2.85	20	
Trichloroethylene	8.86		"	10.0		88.6	70-130		4.52	20	
Trichlorofluoromethane	11.7		"	10.0		117	40-160		9.30	20	
Vinyl Chloride	10.9		"	10.0		109	70-130		8.58	20	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.44*		*"*	*10.0*		*94.4*	*70-130*				
Surrogate: SURR: Toluene-d8	*9.65*		*"*	*10.0*		*96.5*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*10.8*		*"*	*10.0*		*108*	*70-130*				
Batch BG90606 - EPA 5030B											
Blank (BG90606-BLK1)								Prepared & Analyzed: 07/11/2019			
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
2,2-Dichloropropane	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
Acetone	ND	2.00	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG90606 - EPA 5030B											
Blank (BG90606-BLK1)											
Prepared & Analyzed: 07/11/2019											
Bromomethane	ND	0.500	ug/L								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.92*		*"*	*10.0*		*99.2*	*70-130*				
Surrogate: SURR: Toluene-d8	*9.71*		*"*	*10.0*		*97.1*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*11.0*		*"*	*10.0*		*110*	*70-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG90606 - EPA 5030B											
LCS (BG90606-BS1)							Prepared & Analyzed: 07/11/2019				
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	82-126			30	
1,1,1-Trichloroethane	10.2		"	10.0		102	70-130			20	
1,1,2,2-Tetrachloroethane	12.0		"	10.0		120	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	70-130			20	
1,1,2-Trichloroethane	9.84		"	10.0		98.4	70-130			20	
1,1-Dichloroethane	10.6		"	10.0		106	70-130			20	
1,1-Dichloroethylene	10.6		"	10.0		106	70-130			20	
1,1-Dichloropropylene	10.4		"	10.0		104	83-133			30	
1,2,3-Trichlorobenzene	10.2		"	10.0		102	70-130			20	
1,2,3-Trichloropropane	11.8		"	10.0		118	77-128			30	
1,2,4-Trichlorobenzene	10.5		"	10.0		105	70-130			20	
1,2,4-Trimethylbenzene	11.8		"	10.0		118	82-132			20	
1,2-Dibromo-3-chloropropane	10.8		"	10.0		108	40-160			20	
1,2-Dibromoethane	10.2		"	10.0		102	70-130			20	
1,2-Dichlorobenzene	11.2		"	10.0		112	70-130			20	
1,2-Dichloroethane	10.4		"	10.0		104	70-130			20	
1,2-Dichloropropane	9.79		"	10.0		97.9	70-130			20	
1,3,5-Trimethylbenzene	12.2		"	10.0		122	80-131			30	
1,3-Dichlorobenzene	11.3		"	10.0		113	70-130			20	
1,3-Dichloropropane	10.1		"	10.0		101	81-125			30	
1,4-Dichlorobenzene	11.2		"	10.0		112	70-130			20	
2,2-Dichloropropane	14.1		"	10.0		141	56-150			30	
2-Chlorotoluene	11.9		"	10.0		119	79-130			30	
2-Hexanone	11.0		"	10.0		110	40-160			20	
4-Chlorotoluene	11.8		"	10.0		118	79-128			30	
Acetone	10.9		"	10.0		109	40-160			20	
Benzene	10.9		"	10.0		109	70-130			20	
Bromobenzene	11.6		"	10.0		116	78-129			30	
Bromochloromethane	10.5		"	10.0		105	70-130			20	
Bromodichloromethane	10.1		"	10.0		101	70-130			20	
Bromoform	9.50		"	10.0		95.0	70-130			20	
Bromomethane	14.1		"	10.0		141	40-160			20	
Carbon tetrachloride	10.4		"	10.0		104	70-130			20	
Chlorobenzene	10.3		"	10.0		103	70-130			20	
Chloroethane	11.6		"	10.0		116	40-160			20	
Chloroform	10.4		"	10.0		104	70-130			20	
Chloromethane	9.97		"	10.0		99.7	40-160			20	
cis-1,2-Dichloroethylene	11.0		"	10.0		110	70-130			20	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130			20	
Dibromochloromethane	9.88		"	10.0		98.8	70-130			20	
Dibromomethane	10.4		"	10.0		104	72-134			30	
Dichlorodifluoromethane	13.9		"	10.0		139	40-160			20	
Ethyl Benzene	10.9		"	10.0		109	70-130			20	
Hexachlorobutadiene	9.62		"	10.0		96.2	67-146			30	
Isopropylbenzene	12.1		"	10.0		121	70-130			20	
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	70-130			20	
Methylene chloride	11.4		"	10.0		114	70-130			20	
Naphthalene	10.9		"	10.0		109	70-147			30	
n-Butylbenzene	11.7		"	10.0		117	79-132			30	
n-Propylbenzene	12.4		"	10.0		124	78-133			30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG90606 - EPA 5030B											
LCS (BG90606-BS1)								Prepared & Analyzed: 07/11/2019			
o-Xylene	10.6		ug/L	10.0		106	70-130			20	
p- & m- Xylenes	22.7		"	20.0		114	70-130			20	
p-Isopropyltoluene	12.1		"	10.0		121	81-136			30	
sec-Butylbenzene	12.7		"	10.0		127	79-137			30	
Styrene	10.6		"	10.0		106	70-130			20	
tert-Butylbenzene	11.7		"	10.0		117	77-138			30	
Tetrachloroethylene	8.72		"	10.0		87.2	70-130			20	
Toluene	10.6		"	10.0		106	70-130			20	
trans-1,2-Dichloroethylene	10.5		"	10.0		105	70-130			20	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	70-130			20	
Trichloroethylene	10.1		"	10.0		101	70-130			20	
Trichlorofluoromethane	12.3		"	10.0		123	40-160			20	
Vinyl Chloride	10.7		"	10.0		107	70-130			20	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.75*		*"*	*10.0*		*97.5*	*70-130*				
Surrogate: SURR: Toluene-d8	*9.75*		*"*	*10.0*		*97.5*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*11.5*		*"*	*10.0*		*115*	*70-130*				
LCS Dup (BG90606-BSD1)								Prepared & Analyzed: 07/11/2019			
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126		5.05	30	
1,1,1-Trichloroethane	11.1		"	10.0		111	70-130		8.06	20	
1,1,2,2-Tetrachloroethane	12.1		"	10.0		121	70-130		1.16	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.0		"	10.0		120	70-130		9.22	20	
1,1,2-Trichloroethane	10.3		"	10.0		103	70-130		4.37	20	
1,1-Dichloroethane	11.5		"	10.0		115	70-130		8.08	20	
1,1-Dichloroethylene	11.6		"	10.0		116	70-130		8.99	20	
1,1-Dichloropropylene	11.2		"	10.0		112	83-133		7.20	30	
1,2,3-Trichlorobenzene	10.6		"	10.0		106	70-130		4.13	20	
1,2,3-Trichloropropane	11.6		"	10.0		116	77-128		1.71	30	
1,2,4-Trichlorobenzene	10.9		"	10.0		109	70-130		3.75	20	
1,2,4-Trimethylbenzene	11.9		"	10.0		119	82-132		0.507	20	
1,2-Dibromo-3-chloropropane	11.4		"	10.0		114	40-160		5.59	20	
1,2-Dibromoethane	10.7		"	10.0		107	70-130		4.96	20	
1,2-Dichlorobenzene	11.2		"	10.0		112	70-130		0.357	20	
1,2-Dichloroethane	10.5		"	10.0		105	70-130		1.15	20	
1,2-Dichloropropane	10.2		"	10.0		102	70-130		4.20	20	
1,3,5-Trimethylbenzene	12.1		"	10.0		121	80-131		0.330	30	
1,3-Dichlorobenzene	11.3		"	10.0		113	70-130		0.00	20	
1,3-Dichloropropane	10.5		"	10.0		105	81-125		3.78	30	
1,4-Dichlorobenzene	11.3		"	10.0		113	70-130		0.444	20	
2,2-Dichloropropane	15.0		"	10.0		150	56-150		6.24	30	
2-Chlorotoluene	11.9		"	10.0		119	79-130		0.505	30	
2-Hexanone	11.5		"	10.0		115	40-160		4.80	20	
4-Chlorotoluene	11.8		"	10.0		118	79-128		0.339	30	
Acetone	10.2		"	10.0		102	40-160		6.15	20	
Benzene	11.6		"	10.0		116	70-130		6.65	20	
Bromobenzene	11.7		"	10.0		117	78-129		0.775	30	
Bromochloromethane	11.0		"	10.0		110	70-130		4.48	20	
Bromodichloromethane	10.5		"	10.0		105	70-130		4.18	20	
Bromoform	10.0		"	10.0		100	70-130		5.33	20	
Bromomethane	14.9		"	10.0		149	40-160		5.51	20	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG90606 - EPA 5030B											
LCS Dup (BG90606-BSD1)								Prepared & Analyzed: 07/11/2019			
Carbon tetrachloride	11.2		ug/L	10.0		112	70-130		7.33	20	
Chlorobenzene	10.8		"	10.0		108	70-130		4.84	20	
Chloroethane	12.2		"	10.0		122	40-160		4.61	20	
Chloroform	11.1		"	10.0		111	70-130		6.60	20	
Chloromethane	11.8		"	10.0		118	40-160		17.1	20	
cis-1,2-Dichloroethylene	11.7		"	10.0		117	70-130		6.79	20	
cis-1,3-Dichloropropylene	10.8		"	10.0		108	70-130		2.25	20	
Dibromochloromethane	10.4		"	10.0		104	70-130		5.32	20	
Dibromomethane	10.8		"	10.0		108	72-134		3.87	30	
Dichlorodifluoromethane	14.5		"	10.0		145	40-160		4.31	20	
Ethyl Benzene	11.5		"	10.0		115	70-130		5.64	20	
Hexachlorobutadiene	10.6		"	10.0		106	67-146		9.50	30	
Isopropylbenzene	12.2		"	10.0		122	70-130		0.986	20	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	70-130		6.66	20	
Methylene chloride	12.0		"	10.0		120	70-130		4.86	20	
Naphthalene	11.3		"	10.0		113	70-147		3.87	30	
n-Butylbenzene	12.1		"	10.0		121	79-132		3.19	30	
n-Propylbenzene	12.4		"	10.0		124	78-133		0.646	30	
o-Xylene	11.1		"	10.0		111	70-130		4.90	20	
p- & m- Xylenes	24.0		"	20.0		120	70-130		5.57	20	
p-Isopropyltoluene	12.4		"	10.0		124	81-136		2.70	30	
sec-Butylbenzene	13.0		"	10.0		130	79-137		2.18	30	
Styrene	11.0		"	10.0		110	70-130		3.52	20	
tert-Butylbenzene	11.9		"	10.0		119	77-138		1.69	30	
Tetrachloroethylene	9.24		"	10.0		92.4	70-130		5.79	20	
Toluene	11.2		"	10.0		112	70-130		5.31	20	
trans-1,2-Dichloroethylene	11.4		"	10.0		114	70-130		7.67	20	
trans-1,3-Dichloropropylene	11.0		"	10.0		110	70-130		3.72	20	
Trichloroethylene	10.7		"	10.0		107	70-130		5.75	20	
Trichlorofluoromethane	13.4		"	10.0		134	40-160		8.35	20	
Vinyl Chloride	11.4		"	10.0		114	70-130		5.79	20	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*70-130*				
Surrogate: SURR: Toluene-d8	*9.72*		*"*	*10.0*		*97.2*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*11.0*		*"*	*10.0*		*110*	*70-130*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG90283 - EPA 200.7											
Blank (BG90283-BLK1)								Prepared & Analyzed: 07/05/2019			
Iron	ND	0.250	mg/L								
LCS (BG90283-BS1)								Prepared & Analyzed: 07/05/2019			
Iron	1.07		ug/mL	1.00		107	85-115				
Batch BG90587 - EPA 3015A											
Blank (BG90587-BLK1)								Prepared & Analyzed: 07/11/2019			
Iron - Dissolved	ND	0.278	mg/L								
LCS (BG90587-BS1)								Prepared & Analyzed: 07/11/2019			
Iron - Dissolved	1.06		ug/mL	1.00		106	80-120				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG90399 - % Solids Prep											
Blank (BG90399-BLK1)											Prepared & Analyzed: 07/08/2019
Total Dissolved Solids	ND	10.0	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19G0184-01	WQ070219: 12:45 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19G0184-02	WQ070219: 12:55 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

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

York Project No. 19G0184

YOUR Information

Company: WSP USA
Address: 4 Research Dr. Ste 204 Shelton Ct. 06484
Phone No. 203-929-8555
Contact Person: Tunde Sandor
E-Mail Address: Tunde.Sandor@wsp.com

Report To: Same

Company:
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To: Same

Company:
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID

31401451.000
Task 01.00

Purchase Order No.

" "

Samples from: CT ___ NY ✓ NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type

- Summary Report X PDF
- Summary w/ QA Summary X PDF
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package X PDF
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)

- Simple Excel X
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other
- York Regulatory Comparison
- Excel Spreadsheet

Compare to the following Regs. (please fill in):

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/Authorized By (Signature)

Scott Philbrick
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ070219: 12:45 NP2-6	7-2-19 12:45	GW	VOCs 8260 + Full + Freon 113	3 VOA
12:55 NP2-10	7-2-19 12:55	" "	Fe by EPA 200.7; Fe dissolved by EPA 6010; Voc 8260 Full + Freon 113; TDS.	3 VOA, 3 Plastic (1-Nitric 2-cool)
			Rcd by: 7/3/19 1235	

Comments

Preservation Check those Applicable: 4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By: 7-2-19 18:30 Date/Time
Samples Relinquished By: 7/3/19 1436 Date/Time
Samples Received By: Refrigerator Date/Time
Samples Received in LAB by: TC 7/3/19 1436 Date/Time

Temperature on Receipt 3.2 °C

APPENDIX II

JULY 2019 LABORATORY ANALYTICAL REPORTS

FOR FSP&T AND FP&T RECOVERY WELLS

Technical Report

prepared for:

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 07/11/2019
Client Project ID: 31401451.000.01.00
York Project (SDG) No.: 19G0195

Report Date: 07/11/2019
Client Project ID: 31401451.000.01.00
York Project (SDG) No.: 19G0195

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

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 July 03, 2019 and listed below. The project was identified as your project: **31401451.000.01.00**.

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

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

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

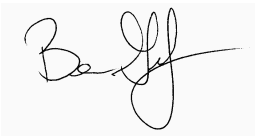
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
19G0195-01	WQ070219: 12:00FRW-1	Water	07/02/2019	07/03/2019
19G0195-02	WQ070219: 12:05FRW-2	Water	07/02/2019	07/03/2019
19G0195-03	WQ070219: 12:10FRW-3	Water	07/02/2019	07/03/2019
19G0195-04	WQ070219: 12:15FRW-4	Water	07/02/2019	07/03/2019
19G0195-05	WQ070219: 12:30NP1-1-2	Water	07/02/2019	07/03/2019

General Notes for York Project (SDG) No.: 19G0195

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:** 07/11/2019

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ070219: 12:00FRW-1 **York Sample ID:** 19G0195-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0195	31401451.000.01.00	Water	July 2, 2019 12:00 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 NELAC-NY10854,NELAC-NY12058,NJDEP	07/10/2019 17:15	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/10/2019 17:15	TMP

Sample Information

Client Sample ID: WQ070219: 12:00FRW-1 **York Sample ID:** 19G0195-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0195	31401451.000.01.00	Water	July 2, 2019 12:00 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: WQ070219: 12:00FRW-1 **York Sample ID:** 19G0195-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0195	31401451.000.01.00	Water	July 2, 2019 12:00 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
127-18-4	**Tetrachloroethylene**	**26.4**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 17:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.0 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*70-130*

Sample Information

Client Sample ID: WQ070219: 12:05FRW-2 **York Sample ID:** 19G0195-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0195	31401451.000.01.00	Water	July 2, 2019 12:05 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP NELAC-NY10854,NELAC-NY12058,NJDEP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: WQ070219: 12:05FRW-2 **York Sample ID:** 19G0195-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0195	31401451.000.01.00	Water	July 2, 2019 12:05 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: WQ070219: 12:05FRW-2 **York Sample ID:** 19G0195-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0195	31401451.000.01.00	Water	July 2, 2019 12:05 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
127-18-4	**Tetrachloroethylene**	**4.11**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-01-6	**Trichloroethylene**	**0.290**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 18:23	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*100 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.9 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	*70-130*

Sample Information

Client Sample ID: WQ070219: 12:10FRW-3 **York Sample ID:** 19G0195-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0195	31401451.000.01.00	Water	July 2, 2019 12:10 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP NELAC-NY10854,NELAC-NY12058,NJDEP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: WQ070219: 12:10FRW-3 **York Sample ID:** 19G0195-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0195	31401451.000.01.00	Water	July 2, 2019 12:10 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	**cis-1,2-Dichloroethylene**	**2.81**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: WQ070219: 12:10FRW-3 **York Sample ID:** 19G0195-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0195	31401451.000.01.00	Water	July 2, 2019 12:10 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

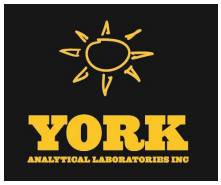
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
127-18-4	**Tetrachloroethylene**	**19.4**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-88-3	**Toluene**	**0.490**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-01-6	**Trichloroethylene**	**0.900**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 19:30	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*100 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.3 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*110 %*	*70-130*



Sample Information

Client Sample ID: WQ070219: 12:15FRW-4 **York Sample ID:** 19G0195-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0195	31401451.000.01.00	Water	July 2, 2019 12:15 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP NELAC-NY10854,NELAC-NY12058,NJDEP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: WQ070219: 12:15FRW-4 **York Sample ID:** 19G0195-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0195	31401451.000.01.00	Water	July 2, 2019 12:15 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: WQ070219: 12:15FRW-4 **York Sample ID:** 19G0195-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0195	31401451.000.01.00	Water	July 2, 2019 12:15 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
127-18-4	**Tetrachloroethylene**	**0.480**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:03	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.8 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.1 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*111 %*	*70-130*

Sample Information

Client Sample ID: WQ070219: 12:30NP1-1-2 **York Sample ID:** 19G0195-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0195	31401451.000.01.00	Water	July 2, 2019 12:30 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP NELAC-NY10854,NELAC-NY12058,NJDEP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: WQ070219: 12:30NP1-1-2 **York Sample ID:** 19G0195-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0195	31401451.000.01.00	Water	July 2, 2019 12:30 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	**Chloroform**	**0.210**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: WQ070219: 12:30NP1-1-2 **York Sample ID:** 19G0195-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0195	31401451.000.01.00	Water	July 2, 2019 12:30 pm	07/03/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
127-18-4	**Tetrachloroethylene**	**0.250**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-01-6	**Trichloroethylene**	**0.210**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	07/05/2019 07:00	07/10/2019 20:36	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*100 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.7 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*109 %*	*70-130*

Analytical Batch Summary

Batch ID: BG90451 **Preparation Method:** EPA 5030B **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
19G0195-01	WQ070219: 12:00FRW-1	07/05/19
19G0195-02	WQ070219: 12:05FRW-2	07/05/19
19G0195-03	WQ070219: 12:10FRW-3	07/05/19
19G0195-04	WQ070219: 12:15FRW-4	07/05/19
19G0195-05	WQ070219: 12:30NP1-1-2	07/05/19
BG90451-BLK1	Blank	07/10/19
BG90451-BS1	LCS	07/10/19
BG90451-BSD1	LCS Dup	07/10/19

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG90451 - EPA 5030B											
Blank (BG90451-BLK1)											Prepared & Analyzed: 07/10/2019
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	0.210	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
2,2-Dichloropropane	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
Acetone	ND	2.00	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG90451 - EPA 5030B											
Blank (BG90451-BLK1)								Prepared & Analyzed: 07/10/2019			
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.93*		*"*	*10.0*		*99.3*	*70-130*				
Surrogate: SURR: Toluene-d8	*9.85*		*"*	*10.0*		*98.5*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*10.9*		*"*	*10.0*		*109*	*70-130*				
LCS (BG90451-BS1)								Prepared & Analyzed: 07/10/2019			
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82-126			30	
1,1,1-Trichloroethane	10.3		"	10.0		103	70-130			20	
1,1,2,2-Tetrachloroethane	11.9		"	10.0		119	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1		"	10.0		111	70-130			20	
1,1,2-Trichloroethane	10.3		"	10.0		103	70-130			20	
1,1-Dichloroethane	10.8		"	10.0		108	70-130			20	
1,1-Dichloroethylene	10.7		"	10.0		107	70-130			20	
1,1-Dichloropropylene	10.4		"	10.0		104	83-133			30	
1,2,3-Trichlorobenzene	11.0		"	10.0		110	70-130			20	
1,2,3-Trichloropropane	11.9		"	10.0		119	77-128			30	
1,2,4-Trichlorobenzene	10.9		"	10.0		109	70-130			20	
1,2,4-Trimethylbenzene	11.5		"	10.0		115	82-132			20	
1,2-Dibromo-3-chloropropane	11.6		"	10.0		116	40-160			20	
1,2-Dibromoethane	10.6		"	10.0		106	70-130			20	
1,2-Dichlorobenzene	11.2		"	10.0		112	70-130			20	
1,2-Dichloroethane	10.7		"	10.0		107	70-130			20	
1,2-Dichloropropane	9.95		"	10.0		99.5	70-130			20	
1,3,5-Trimethylbenzene	11.8		"	10.0		118	80-131			30	
1,3-Dichlorobenzene	11.1		"	10.0		111	70-130			20	
1,3-Dichloropropane	10.4		"	10.0		104	81-125			30	
1,4-Dichlorobenzene	11.2		"	10.0		112	70-130			20	
2,2-Dichloropropane	13.0		"	10.0		130	56-150			30	
2-Chlorotoluene	11.6		"	10.0		116	79-130			30	
2-Hexanone	10.5		"	10.0		105	40-160			20	
4-Chlorotoluene	11.5		"	10.0		115	79-128			30	
Acetone	9.76		"	10.0		97.6	40-160			20	
Benzene	11.0		"	10.0		110	70-130			20	
Bromobenzene	11.6		"	10.0		116	78-129			30	
Bromochloromethane	10.6		"	10.0		106	70-130			20	
Bromodichloromethane	10.3		"	10.0		103	70-130			20	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG90451 - EPA 5030B											
LCS (BG90451-BS1)							Prepared & Analyzed: 07/10/2019				
Bromoform	10.3		ug/L	10.0		103	70-130			20	
Bromomethane	15.2		"	10.0		152	40-160			20	
Carbon tetrachloride	10.3		"	10.0		103	70-130			20	
Chlorobenzene	10.5		"	10.0		105	70-130			20	
Chloroethane	8.05		"	10.0		80.5	40-160			20	
Chloroform	10.4		"	10.0		104	70-130			20	
Chloromethane	10.4		"	10.0		104	40-160			20	
cis-1,2-Dichloroethylene	10.8		"	10.0		108	70-130			20	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	70-130			20	
Dibromochloromethane	10.5		"	10.0		105	70-130			20	
Dibromomethane	10.8		"	10.0		108	72-134			30	
Dichlorodifluoromethane	15.2		"	10.0		152	40-160			20	
Ethyl Benzene	11.0		"	10.0		110	70-130			20	
Hexachlorobutadiene	9.95		"	10.0		99.5	67-146			30	
Isopropylbenzene	11.7		"	10.0		117	70-130			20	
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	70-130			20	
Methylene chloride	11.4		"	10.0		114	70-130			20	
Naphthalene	11.3		"	10.0		113	70-147			30	
n-Butylbenzene	11.3		"	10.0		113	79-132			30	
n-Propylbenzene	12.0		"	10.0		120	78-133			30	
o-Xylene	10.6		"	10.0		106	70-130			20	
p- & m- Xylenes	23.0		"	20.0		115	70-130			20	
p-Isopropyltoluene	11.8		"	10.0		118	81-136			30	
sec-Butylbenzene	12.3		"	10.0		123	79-137			30	
Styrene	10.7		"	10.0		107	70-130			20	
tert-Butylbenzene	11.4		"	10.0		114	77-138			30	
Tetrachloroethylene	8.78		"	10.0		87.8	70-130			20	
Toluene	10.8		"	10.0		108	70-130			20	
trans-1,2-Dichloroethylene	10.7		"	10.0		107	70-130			20	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	70-130			20	
Trichloroethylene	10.2		"	10.0		102	70-130			20	
Trichlorofluoromethane	12.2		"	10.0		122	40-160			20	
Vinyl Chloride	10.7		"	10.0		107	70-130			20	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.85*		*"*	*10.0*		*98.5*	*70-130*				
Surrogate: SURR: Toluene-d8	*9.90*		*"*	*10.0*		*99.0*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*11.1*		*"*	*10.0*		*111*	*70-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG90451 - EPA 5030B											
LCS Dup (BG90451-BSD1)							Prepared & Analyzed: 07/10/2019				
1,1,1,2-Tetrachloroethane	9.50		ug/L	10.0		95.0	82-126		8.08	30	
1,1,1-Trichloroethane	9.87		"	10.0		98.7	70-130		4.07	20	
1,1,2,2-Tetrachloroethane	9.40		"	10.0		94.0	70-130		23.7	20	Non-dir.
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3		"	10.0		113	70-130		1.43	20	
1,1,2-Trichloroethane	9.20		"	10.0		92.0	70-130		11.6	20	
1,1-Dichloroethane	10.2		"	10.0		102	70-130		6.08	20	
1,1-Dichloroethylene	10.4		"	10.0		104	70-130		2.65	20	
1,1-Dichloropropylene	10.2		"	10.0		102	83-133		1.36	30	
1,2,3-Trichlorobenzene	8.42		"	10.0		84.2	70-130		26.6	20	Non-dir.
1,2,3-Trichloropropane	9.08		"	10.0		90.8	77-128		27.1	30	
1,2,4-Trichlorobenzene	8.42		"	10.0		84.2	70-130		25.3	20	Non-dir.
1,2,4-Trimethylbenzene	9.31		"	10.0		93.1	82-132		21.0	20	Non-dir.
1,2-Dibromo-3-chloropropane	8.97		"	10.0		89.7	40-160		25.9	20	Non-dir.
1,2-Dibromoethane	9.50		"	10.0		95.0	70-130		11.0	20	
1,2-Dichlorobenzene	8.90		"	10.0		89.0	70-130		22.5	20	Non-dir.
1,2-Dichloroethane	9.71		"	10.0		97.1	70-130		9.79	20	
1,2-Dichloropropane	9.32		"	10.0		93.2	70-130		6.54	20	
1,3,5-Trimethylbenzene	9.67		"	10.0		96.7	80-131		19.8	30	
1,3-Dichlorobenzene	8.90		"	10.0		89.0	70-130		21.6	20	Non-dir.
1,3-Dichloropropane	9.47		"	10.0		94.7	81-125		9.74	30	
1,4-Dichlorobenzene	8.86		"	10.0		88.6	70-130		23.5	20	Non-dir.
2,2-Dichloropropane	15.6		"	10.0		156	56-150	High Bias	18.3	30	
2-Chlorotoluene	9.54		"	10.0		95.4	79-130		19.1	30	
2-Hexanone	9.73		"	10.0		97.3	40-160		7.23	20	
4-Chlorotoluene	9.48		"	10.0		94.8	79-128		19.5	30	
Acetone	9.13		"	10.0		91.3	40-160		6.67	20	
Benzene	10.5		"	10.0		105	70-130		5.30	20	
Bromobenzene	9.23		"	10.0		92.3	78-129		22.9	30	
Bromochloromethane	9.60		"	10.0		96.0	70-130		9.62	20	
Bromodichloromethane	9.47		"	10.0		94.7	70-130		8.49	20	
Bromoform	9.41		"	10.0		94.1	70-130		8.64	20	
Bromomethane	14.2		"	10.0		142	40-160		6.52	20	
Carbon tetrachloride	10.1		"	10.0		101	70-130		1.77	20	
Chlorobenzene	9.76		"	10.0		97.6	70-130		7.11	20	
Chloroethane	11.1		"	10.0		111	40-160		31.9	20	Non-dir.
Chloroform	9.86		"	10.0		98.6	70-130		4.85	20	
Chloromethane	9.65		"	10.0		96.5	40-160		7.19	20	
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130		3.77	20	
cis-1,3-Dichloropropylene	9.80		"	10.0		98.0	70-130		6.32	20	
Dibromochloromethane	9.62		"	10.0		96.2	70-130		8.37	20	
Dibromomethane	9.64		"	10.0		96.4	72-134		11.4	30	
Dichlorodifluoromethane	15.0		"	10.0		150	40-160		1.32	20	
Ethyl Benzene	10.4		"	10.0		104	70-130		5.23	20	
Hexachlorobutadiene	7.53		"	10.0		75.3	67-146		27.7	30	
Isopropylbenzene	9.77		"	10.0		97.7	70-130		18.3	20	
Methyl tert-butyl ether (MTBE)	9.67		"	10.0		96.7	70-130		10.0	20	
Methylene chloride	10.8		"	10.0		108	70-130		5.59	20	
Naphthalene	8.94		"	10.0		89.4	70-147		23.2	30	
n-Butylbenzene	9.15		"	10.0		91.5	79-132		21.1	30	
n-Propylbenzene	9.98		"	10.0		99.8	78-133		18.1	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG90451 - EPA 5030B											
LCS Dup (BG90451-BSD1)								Prepared & Analyzed: 07/10/2019			
o-Xylene	9.99		ug/L	10.0		99.9	70-130		6.21	20	
p- & m- Xylenes	21.6		"	20.0		108	70-130		6.60	20	
p-Isopropyltoluene	9.52		"	10.0		95.2	81-136		21.4	30	
sec-Butylbenzene	10.1		"	10.0		101	79-137		19.8	30	
Styrene	9.91		"	10.0		99.1	70-130		7.39	20	
tert-Butylbenzene	9.35		"	10.0		93.5	77-138		19.8	30	
Tetrachloroethylene	8.50		"	10.0		85.0	70-130		3.24	20	
Toluene	10.1		"	10.0		101	70-130		6.21	20	
trans-1,2-Dichloroethylene	10.4		"	10.0		104	70-130		3.32	20	
trans-1,3-Dichloropropylene	9.95		"	10.0		99.5	70-130		6.14	20	
Trichloroethylene	9.69		"	10.0		96.9	70-130		5.32	20	
Trichlorofluoromethane	12.3		"	10.0		123	40-160		1.22	20	
Vinyl Chloride	10.4		"	10.0		104	70-130		2.66	20	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*70-130*				
Surrogate: SURR: Toluene-d8	*9.87*		*"*	*10.0*		*98.7*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*9.74*		*"*	*10.0*		*97.4*	*70-130*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19G0195-01	WQ070219: 12:00FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19G0195-02	WQ070219: 12:05FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19G0195-03	WQ070219: 12:10FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19G0195-04	WQ070219: 12:15FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19G0195-05	WQ070219: 12:30NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

YORK
ANALYTICAL LABORATORIES, INC.

120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 19G0195 ~~19E0338~~

YOUR Information
Company: WSP USA
Address: 4 Research Drive Suite 204 Shelton CT.
Phone No. 203-929-8555
Contact Person: Tunde Sandor
E-Mail Address: Tunde.Sandor@wsp.com

Report To: Same
Company:
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To: Same
Company:
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID
31401451.000
.01.00

Purchase Order No.
1 1

Samples from: CT ___ NY ✓ NJ ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type/Deliverbles
- Summary Report XPDF
- Summary w/ QA Summary XPDF
- CT RCP Package ___
- NY ASP A Package ___
- NY ASP B Package XPDF
- *Electronic Deliverables:*
- EDD (Specify Type) ___
- Excel X

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/Authorized By (Signature)

Scott Philbrick
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	Tot.Nitrogen	Cyanide-A
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins Furans	BTU/lb.	Tot. Phos.	COD
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica	MBAS	TPH-1664

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ070219: 12:00FRW-1	7-2-19	GW	VOCs 8260 Plus Freon 113	3 VOAs
12:05FRW-2				
12:10FRW-3				
12:15FRW-4				
12:30NP1-1-2				

Rcd by: 7/3/19 1335

Comments

Preservation Check those Applicable: 4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Samples Relinquished By: 7-2-19 19:30 Date/Time
Samples Relinquished By: 7/3/19 1436 Date/Time
Samples Received By: Date/Time
Samples Received in LAB by: 7/3/19 1436 Date/Time

Temperature on Receipt 3.2 °C

APPENDIX III

JULY 2019 LABORATORY ANALYTICAL REPORT
FOR AIR SAMPLES

Technical Report

prepared for:

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 07/29/2019
Client Project ID: Rowe 31401451.000 task 1
York Project (SDG) No.: 19G0890

Report Date: 07/29/2019
Client Project ID: Rowe 31401451.000 task 1
York Project (SDG) No.: 19G0890

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

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 July 22, 2019 and listed below. The project was identified as your project: **Rowe 31401451.000 task 1**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
19G0890-01	AQ071919: 1055HP4-1	Vapor Extraction	07/19/2019	07/22/2019
19G0890-02	AQ071919: 1100NP4-3	Vapor Extraction	07/19/2019	07/22/2019

General Notes for York Project (SDG) No.: 19G0890

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: 07/29/2019

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: AQ071919: 1055HP4-1 **York Sample ID:** 19G0890-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0890	Rowe 31401451.000 task 1	Vapor Extraction	July 19, 2019 10:55 am	07/22/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.92	1.347	EPA TO-15 Certifications:	07/25/2019 07:00	07/25/2019 11:30	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.73	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.92	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.0	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.73	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.55	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.13	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.0	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
95-63-6	**1,2,4-Trimethylbenzene**	**2.8**		ug/m³	0.66	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.0	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.81	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.55	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.62	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.94	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
108-67-8	**1,3,5-Trimethylbenzene**	**0.86**		ug/m³	0.66	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
106-99-0	1,3-Butadiene	ND		ug/m³	0.89	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.81	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.62	1.347	EPA TO-15 Certifications:	07/25/2019 07:00	07/25/2019 11:30	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.81	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
123-91-1	1,4-Dioxane	ND		ug/m³	0.97	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
78-93-3	**2-Butanone**	**6.2**		ug/m³	0.40	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
591-78-6	* 2-Hexanone	ND		ug/m³	1.1	1.347	EPA TO-15 Certifications:	07/25/2019 07:00	07/25/2019 11:30	AS

Sample Information

Client Sample ID: AQ071919: 1055HP4-1 **York Sample ID:** 19G0890-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0890	Rowe 31401451.000 task 1	Vapor Extraction	July 19, 2019 10:55 am	07/22/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	2.1	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
108-10-1	**4-Methyl-2-pentanone**	**5.4**		ug/m³	0.55	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
67-64-1	**Acetone**	**21**		ug/m³	0.64	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
107-13-1	Acrylonitrile	ND		ug/m³	0.29	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
71-43-2	Benzene	ND		ug/m³	0.43	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
100-44-7	Benzyl chloride	ND		ug/m³	0.70	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
75-27-4	Bromodichloromethane	ND		ug/m³	0.90	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
75-25-2	Bromoform	ND		ug/m³	1.4	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
74-83-9	Bromomethane	ND		ug/m³	0.52	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
75-15-0	**Carbon disulfide**	**6.3**	TO-CCV	ug/m³	0.42	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
56-23-5	**Carbon tetrachloride**	**0.42**		ug/m³	0.21	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
108-90-7	Chlorobenzene	ND		ug/m³	0.62	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
75-00-3	Chloroethane	ND		ug/m³	0.36	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
67-66-3	**Chloroform**	**1.7**		ug/m³	0.66	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
74-87-3	**Chloromethane**	**1.7**		ug/m³	0.28	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
156-59-2	**cis-1,2-Dichloroethylene**	**0.64**		ug/m³	0.13	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.61	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
110-82-7	Cyclohexane	ND		ug/m³	0.46	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
124-48-1	Dibromochloromethane	ND		ug/m³	1.1	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
75-71-8	**Dichlorodifluoromethane**	**1.7**		ug/m³	0.67	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
141-78-6	*** Ethyl acetate**	**1.1**		ug/m³	0.97	1.347	EPA TO-15 Certifications:	07/25/2019 07:00	07/25/2019 11:30	AS
100-41-4	**Ethyl Benzene**	**1.9**		ug/m³	0.58	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.4	1.347	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 11:30	AS

Sample Information

Client Sample ID: AQ071919: 1055HP4-1 **York Sample ID:** 19G0890-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0890	Rowe 31401451.000 task 1	Vapor Extraction	July 19, 2019 10:55 am	07/22/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	**Isopropanol**	**4.6**		ug/m³	0.66	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.55	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.49	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**42**		ug/m³	0.94	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	**n-Heptane**	**2.2**		ug/m³	0.55	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**18**		ug/m³	0.47	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**1.7**		ug/m³	0.58	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**5.0**		ug/m³	1.2	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	*** p-Ethyltoluene**	**2.1**		ug/m³	0.66	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.23	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.57	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**29**		ug/m³	0.23	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.79	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications:			
108-88-3	**Toluene**	**7.9**		ug/m³	0.51	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.53	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.61	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**7.4**		ug/m³	0.18	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.7**		ug/m³	0.76	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.47	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.59	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.086	1.347	EPA TO-15	07/25/2019 07:00	07/25/2019 11:30	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*115 %*	*70-130*

Sample Information

Client Sample ID: AQ071919: 1055HP4-1 **York Sample ID:** 19G0890-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0890	Rowe 31401451.000 task 1	Vapor Extraction	July 19, 2019 10:55 am	07/22/2019

Sample Information

Client Sample ID: AQ071919: 1100NP4-3 **York Sample ID:** 19G0890-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0890	Rowe 31401451.000 task 1	Vapor Extraction	July 19, 2019 11:00 am	07/22/2019

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:** TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.92	1.333	EPA TO-15 Certifications:	07/25/2019 07:00	07/25/2019 12:22	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.73	1.333	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 12:22	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.92	1.333	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 12:22	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.0	1.333	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 12:22	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.73	1.333	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 12:22	AS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.54	1.333	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 12:22	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.13	1.333	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 12:22	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.99	1.333	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 12:22	AS
95-63-6	**1,2,4-Trimethylbenzene**	**0.66**		ug/m³	0.66	1.333	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 12:22	AS
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.0	1.333	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 12:22	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.80	1.333	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 12:22	AS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.54	1.333	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 12:22	AS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.62	1.333	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 12:22	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.93	1.333	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 12:22	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.66	1.333	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 12:22	AS
106-99-0	1,3-Butadiene	ND		ug/m³	0.88	1.333	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 12:22	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.80	1.333	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 12:22	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.62	1.333	EPA TO-15 Certifications:	07/25/2019 07:00	07/25/2019 12:22	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.80	1.333	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2019 07:00	07/25/2019 12:22	AS

Sample Information

Client Sample ID: AQ071919: 1100NP4-3 **York Sample ID:** 19G0890-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0890	Rowe 31401451.000 task 1	Vapor Extraction	July 19, 2019 11:00 am	07/22/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/m³	0.96	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**1.1**		ug/m³	0.39	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	1.1	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	2.1	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	**4-Methyl-2-pentanone**	**0.60**		ug/m³	0.55	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**13**		ug/m³	0.63	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.29	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	Benzene	ND		ug/m³	0.43	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	0.69	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	0.89	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	1.4	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.52	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	Carbon disulfide	ND		ug/m³	0.42	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**0.34**		ug/m³	0.21	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	0.61	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.35	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	0.65	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	**Chloromethane**	**1.4**		ug/m³	0.28	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	**cis-1,2-Dichloroethylene**	**1.1**		ug/m³	0.13	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.61	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	Cyclohexane	ND		ug/m³	0.46	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	1.1	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.0**		ug/m³	0.66	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: AQ071919: 1100NP4-3 **York Sample ID:** 19G0890-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0890	Rowe 31401451.000 task 1	Vapor Extraction	July 19, 2019 11:00 am	07/22/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	*** Ethyl acetate**	**6.1**		ug/m³	0.96	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.58	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.4	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**12**		ug/m³	0.66	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.55	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.48	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**3.7**		ug/m³	0.93	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	n-Heptane	ND		ug/m³	0.55	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**0.47**		ug/m³	0.47	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**0.64**		ug/m³	0.58	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**1.3**		ug/m³	1.2	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.66	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.23	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.57	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	Tetrachloroethylene	ND		ug/m³	0.23	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.79	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:			
108-88-3	**Toluene**	**3.2**		ug/m³	0.50	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.53	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.61	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	Trichloroethylene	ND		ug/m³	0.18	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.1**		ug/m³	0.75	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.47	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.58	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: AQ071919: 1100NP4-3 **York Sample ID:** 19G0890-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19G0890	Rowe 31401451.000 task 1	Vapor Extraction	July 19, 2019 11:00 am	07/22/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.085	1.333	EPA TO-15	07/25/2019 07:00	07/25/2019 12:22	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Surrogate Recoveries	Result	Acceptance Range
460-00-4 *Surrogate: SURR: p-Bromofluorobenzene*	*112 %*	*70-130*

Analytical Batch Summary

Batch ID: BG91543 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
19G0890-01	AQ071919: 1055HP4-1	07/25/19
19G0890-02	AQ071919: 1100NP4-3	07/25/19
BG91543-BLK1	Blank	07/25/19
BG91543-BS1	LCS	07/25/19
BG91543-DUP1	Duplicate	07/25/19

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG91543 - EPA TO15 PREP											
Blank (BG91543-BLK1)											Prepared & Analyzed: 07/25/2019
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG91543 - EPA TO15 PREP											
Blank (BG91543-BLK1)								Prepared & Analyzed: 07/25/2019			
n-Heptane	ND	0.41	ug/m³								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.17	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.064	"								
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*ppbv*	*10.0*		*104*	*70-130*				
LCS (BG91543-BS1)								Prepared & Analyzed: 07/25/2019			
1,1,1,2-Tetrachloroethane	10.5		ppbv	10.0		105	70-130				
1,1,1-Trichloroethane	10.3		"	10.0		103	70-130				
1,1,2,2-Tetrachloroethane	8.83		"	10.0		88.3	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.36		"	10.0		83.6	70-130				
1,1,2-Trichloroethane	9.04		"	10.0		90.4	70-130				
1,1-Dichloroethane	8.63		"	10.0		86.3	70-130				
1,1-Dichloroethylene	8.94		"	10.0		89.4	70-130				
1,2,4-Trichlorobenzene	8.53		"	10.0		85.3	70-130				
1,2,4-Trimethylbenzene	10.4		"	10.0		104	70-130				
1,2-Dibromoethane	9.45		"	10.0		94.5	70-130				
1,2-Dichlorobenzene	9.72		"	10.0		97.2	70-130				
1,2-Dichloroethane	11.0		"	10.0		110	70-130				
1,2-Dichloropropane	9.12		"	10.0		91.2	70-130				
1,2-Dichlorotetrafluoroethane	10.6		"	10.0		106	70-130				
1,3,5-Trimethylbenzene	10.2		"	10.0		102	70-130				
1,3-Butadiene	10.1		"	10.0		101	70-130				
1,3-Dichlorobenzene	9.91		"	10.0		99.1	70-130				
1,3-Dichloropropane	9.36		"	10.0		93.6	70-130				
1,4-Dichlorobenzene	9.98		"	10.0		99.8	70-130				
1,4-Dioxane	7.18		"	10.0		71.8	70-130				
2-Butanone	9.09		"	10.0		90.9	70-130				
2-Hexanone	9.98		"	10.0		99.8	70-130				
3-Chloropropene	9.35		"	10.0		93.5	70-130				
4-Methyl-2-pentanone	11.3		"	10.0		113	70-130				
Acetone	9.75		"	10.0		97.5	70-130				
Acrylonitrile	7.80		"	10.0		78.0	70-130				
Benzene	6.55		"	10.0		65.5	70-130	Low Bias			
Benzyl chloride	9.75		"	10.0		97.5	70-130				
Bromodichloromethane	11.8		"	10.0		118	70-130				
Bromoform	10.8		"	10.0		108	70-130				

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Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG91543 - EPA TO15 PREP											
LCS (BG91543-BS1)								Prepared & Analyzed: 07/25/2019			
Bromomethane	7.07		ppbv	10.0		70.7	70-130				
Carbon disulfide	7.40		"	10.0		74.0	70-130				
Carbon tetrachloride	10.0		"	10.0		100	70-130				
Chlorobenzene	8.63		"	10.0		86.3	70-130				
Chloroethane	7.69		"	10.0		76.9	70-130				
Chloroform	8.90		"	10.0		89.0	70-130				
Chloromethane	11.1		"	10.0		111	70-130				
cis-1,2-Dichloroethylene	8.11		"	10.0		81.1	70-130				
cis-1,3-Dichloropropylene	10.3		"	10.0		103	70-130				
Cyclohexane	8.12		"	10.0		81.2	70-130				
Dibromochloromethane	10.9		"	10.0		109	70-130				
Dichlorodifluoromethane	10.2		"	10.0		102	70-130				
Ethyl acetate	10.5		"	10.0		105	70-130				
Ethyl Benzene	9.18		"	10.0		91.8	70-130				
Hexachlorobutadiene	10.7		"	10.0		107	70-130				
Isopropanol	8.42		"	10.0		84.2	70-130				
Methyl Methacrylate	8.90		"	10.0		89.0	70-130				
Methyl tert-butyl ether (MTBE)	8.72		"	10.0		87.2	70-130				
Methylene chloride	9.65		"	10.0		96.5	70-130				
n-Heptane	9.43		"	10.0		94.3	70-130				
n-Hexane	8.13		"	10.0		81.3	70-130				
o-Xylene	10.1		"	10.0		101	70-130				
p- & m- Xylenes	20.0		"	20.0		99.8	70-130				
p-Ethyltoluene	10.0		"	10.0		100	70-130				
Propylene	8.62		"	10.0		86.2	70-130				
Styrene	8.87		"	10.0		88.7	70-130				
Tetrachloroethylene	9.70		"	10.0		97.0	70-130				
Tetrahydrofuran	8.94		"	10.0		89.4	70-130				
Toluene	8.81		"	10.0		88.1	70-130				
trans-1,2-Dichloroethylene	9.16		"	10.0		91.6	70-130				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	70-130				
Trichloroethylene	9.51		"	10.0		95.1	70-130				
Trichlorofluoromethane (Freon 11)	10.7		"	10.0		107	70-130				
Vinyl acetate	8.42		"	10.0		84.2	70-130				
Vinyl bromide	7.60		"	10.0		76.0	70-130				
Vinyl Chloride	12.1		"	10.0		121	70-130				
Surrogate: SURR: p-Bromofluorobenzene	*11.5*		*"*	*10.0*		*115*	*70-130*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG91543 - EPA TO15 PREP											
Duplicate (BG91543-DUP1)	*Source sample: 19G0890-02 (AQ071919: 1100NP4-3)								Prepared & Analyzed: 07/25/2019		
1,1,1,2-Tetrachloroethane	ND	0.92	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	0.73	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.92	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	"		ND					25	
1,1,2-Trichloroethane	ND	0.73	"		ND					25	
1,1-Dichloroethane	ND	0.54	"		ND					25	
1,1-Dichloroethylene	ND	0.13	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.99	"		ND					25	
1,2,4-Trimethylbenzene	0.72	0.66	"		0.66				9.52	25	
1,2-Dibromoethane	ND	1.0	"		ND					25	
1,2-Dichlorobenzene	ND	0.80	"		ND					25	
1,2-Dichloroethane	ND	0.54	"		ND					25	
1,2-Dichloropropane	ND	0.62	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.93	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.66	"		ND					25	
1,3-Butadiene	ND	0.88	"		ND					25	
1,3-Dichlorobenzene	ND	0.80	"		ND					25	
1,3-Dichloropropane	ND	0.62	"		ND					25	
1,4-Dichlorobenzene	ND	0.80	"		ND					25	
1,4-Dioxane	ND	0.96	"		ND					25	
2-Butanone	1.2	0.39	"		1.1				3.39	25	
2-Hexanone	ND	1.1	"		ND					25	
3-Chloropropene	ND	2.1	"		ND					25	
4-Methyl-2-pentanone	0.71	0.55	"		0.60				16.7	25	
Acetone	16	0.63	"		13				25.0	25	
Acrylonitrile	ND	0.29	"		ND					25	
Benzene	ND	0.43	"		ND					25	
Benzyl chloride	ND	0.69	"		ND					25	
Bromodichloromethane	ND	0.89	"		ND					25	
Bromoform	ND	1.4	"		ND					25	
Bromomethane	ND	0.52	"		ND					25	
Carbon disulfide	ND	0.42	"		ND					25	
Carbon tetrachloride	0.34	0.21	"		0.34				0.00	25	
Chlorobenzene	ND	0.61	"		ND					25	
Chloroethane	ND	0.35	"		ND					25	
Chloroform	ND	0.65	"		ND					25	
Chloromethane	1.5	0.28	"		1.4				5.61	25	
cis-1,2-Dichloroethylene	1.0	0.13	"		1.1				5.13	25	
cis-1,3-Dichloropropylene	ND	0.61	"		ND					25	
Cyclohexane	ND	0.46	"		ND					25	
Dibromochloromethane	ND	1.1	"		ND					25	
Dichlorodifluoromethane	2.0	0.66	"		2.0				3.28	25	
Ethyl acetate	6.5	0.96	"		6.1				6.06	25	
Ethyl Benzene	ND	0.58	"		ND					25	
Hexachlorobutadiene	ND	1.4	"		ND					25	
Isopropanol	12	0.66	"		12				1.63	25	
Methyl Methacrylate	ND	0.55	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.48	"		ND					25	
Methylene chloride	3.4	0.93	"		3.7				7.79	25	
n-Heptane	ND	0.55	"		ND					25	

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York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG91543 - EPA TO15 PREP											
Duplicate (BG91543-DUP1)	*Source sample: 19G0890-02 (AQ071919: 1100NP4-3)								Prepared & Analyzed: 07/25/2019		
n-Hexane	0.47	0.47	ug/m³		0.47				0.00	25	
o-Xylene	0.64	0.58	"		0.64				0.00	25	
p- & m- Xylenes	1.4	1.2	"		1.3				12.8	25	
p-Ethyltoluene	ND	0.66	"		ND					25	
Propylene	ND	0.23	"		ND					25	
Styrene	ND	0.57	"		ND					25	
Tetrachloroethylene	ND	0.23	"		ND					25	
Tetrahydrofuran	ND	0.79	"		ND					25	
Toluene	3.6	0.50	"		3.2				10.4	25	
trans-1,2-Dichloroethylene	ND	0.53	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.61	"		ND					25	
Trichloroethylene	ND	0.18	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.1	0.75	"		1.1				0.00	25	
Vinyl acetate	ND	0.47	"		ND					25	
Vinyl bromide	ND	0.58	"		ND					25	
Vinyl Chloride	ND	0.085	"		ND					25	
Surrogate: SURR: p-Bromofluorobenzene	*11.5*		*ppbv*	*10.0*		*115*	*70-130*				

Sample and Data Qualifiers Relating to This Work Order

TO-VAC	The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.
TO-LCS-L	The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% 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, Stratford, CT 06615 | 132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com | www.yorklab.com

Field Chain-of-Custody Record - AIR

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

YORK Project No. 19G0890

Page 1 of 1

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: WSP USA	Company: Same	Company: Same	RowC	RUSH - Next Day
Address: 9 Research Drive Suite 200, Shelton CT 06484	Address:	Address:	YOUR Project Name: 314@1451.000 task 1	RUSH - Two Day
Phone: 203-929-8555	Phone:	Phone:		RUSH - Three Day
Email: Tonde.Sander@wsp.com	Contact:	Contact:		RUSH - Four Day
	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

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

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

Air Matrix Codes: AI - Indoor Ambient Air; AO - Outdoor Ambient Air; AE - Vapor Extraction / Soil Gas (indicate Canister or Tedlar); AS - Soil Vapor/Sub-Slab

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

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

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

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ___ 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
AQ071919-1655 SHP4-1	7-19-19 1655	AE	-30	-2	Y60		EPA TO-15 list
AQ071919-1100 SHP4-3	7-19-19 1100	AE	-30	-2	22079		EPA TO-15 list

Comments:

Detection Limits Required: ≤ 1 ug/m³ ___ NYSDEC V1 Limits ___ Routine Survey ___ Other ___

Sampling Media: ✓ 6 Liter Canister; Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
TS / WSP USA	7-22-19 0700	[signature]	7/22/19 1122	[signature]	7/22/19 1527
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
J. Hale / YORK	7-22-19 1527	J. Hale / YORK	7/22/19 2016	[signature]	7/22/19 2016
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
Tom A / York	7/22/19				