

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)	Ethylbenzene (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	---	---
3-Jan-18	6.9	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	0.02	0.025
1-Feb-18	6.8	157	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	4.43	0.032
1-Mar-18	6.8	147	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	3.15	0.057
2-Apr-18	6.8	136	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	2.99	0.034
2-May-18	6.8	151	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	8.05	0.049
5-Jun-18	6.8	138	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	0.25	ND<0.02
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	0.037

SPDES: State Pollutant Discharge Elimination System

mg/l: Milligrams per liter

ug/l: Micrograms per liter

----: Not established

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

NM: Not Measured

TDS: Total dissolved solids

PCE: Tetrachloroethylene

1,1,1-TCA: 1,1,1-Trichloroethane

TCE: Trichloroethene

1,1-DCA: 1,1-Dichloroethane

1,1-DCE: 1,1-Dichloroethene

cis-1,2-DCE: cis-1,2-Dichloroethene

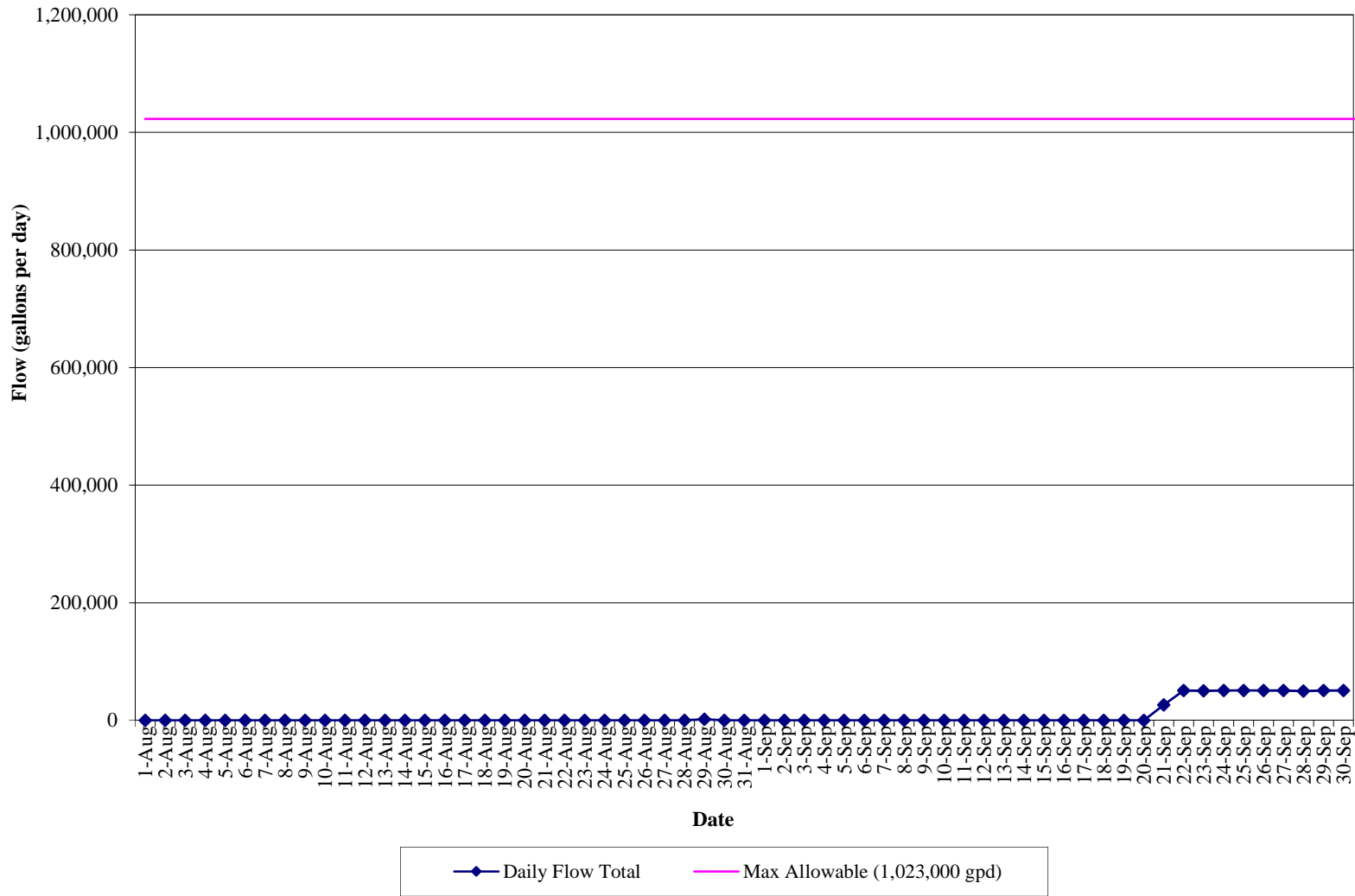
trans-1,2,-DCE: trans-1,2-Dichloroethene

Notes:

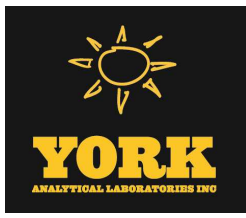
1. Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.
3. Starting in October 2016, FSP&T system samples are collected monthly 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
(August 1, 2018 to September 30, 2018)**



APPENDIX I
AUGUST AND SEPTEMBER 2018 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: 10/03/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18I1032

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 10/03/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18I1032

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 September 25, 2018 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18I1032-01	WQ092118:1340 NP2-6	Water	09/21/2018	09/25/2018
18I1032-02	WQ092118:1345 NP2-10	Water	09/21/2018	09/25/2018

General Notes for York Project (SDG) No.: 18I1032

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 10/03/2018





Sample Information

Client Sample ID: WQ092118:1340 NP2-6

York Sample ID: 1811032-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
1811032	31401451.000 task 01.00	Water	September 21, 2018 1:40 pm	09/25/2018

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/27/2018 07:30	09/27/2018 13:56	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS



Sample Information

Client Sample ID: WQ092118:1340 NP2-6

York Sample ID: 18I1032-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I1032

31401451.000 task 01.00

Water

September 21, 2018 1:40 pm

09/25/2018

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
156-59-2	cis-1,2-Dichloroethylene	0.590		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS



Sample Information

Client Sample ID: WQ092118:1340 NP2-6

York Sample ID: 18I1032-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I1032

31401451.000 task 01.00

Water

September 21, 2018 1:40 pm

09/25/2018

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
127-18-4	Tetrachloroethylene	0.810		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 13:56	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/27/2018 07:30	09/27/2018 13:56	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %	70-130
2037-26-5	Surrogate: Toluene-d8	97.2 %	70-130
460-00-4	Surrogate: p-Bromofluorobenzene	94.7 %	70-130



Sample Information

Client Sample ID: WQ092118:1345 NP2-10

York Sample ID: 18I1032-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I1032

31401451.000 task 01.00

Water

September 21, 2018 1:45 pm

09/25/2018

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/27/2018 07:30	09/27/2018 14:28	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS



Sample Information

Client Sample ID: WQ092118:1345 NP2-10

York Sample ID: 18I1032-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I1032

31401451.000 task 01.00

Water

September 21, 2018 1:45 pm

09/25/2018

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS



Sample Information

Client Sample ID: WQ092118:1345 NP2-10

York Sample ID: 18I1032-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I1032

31401451.000 task 01.00

Water

September 21, 2018 1:45 pm

09/25/2018

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/27/2018 07:30	09/27/2018 14:28	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	107 %
2037-26-5	Surrogate: Toluene-d8	97.4 %
460-00-4	Surrogate: p-Bromofluorobenzene	93.5 %

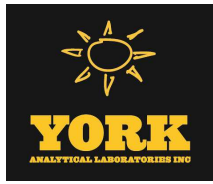
Iron by EPA 200.7

Log-in Notes:

Sample Notes:

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
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Sample Information

Client Sample ID: WQ092118:1345 NP2-10

York Sample ID: 18I1032-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I1032

31401451.000 task 01.00

Water

September 21, 2018 1:45 pm

09/25/2018

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

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	7.48		mg/L	0.0200	1	EPA 200.7	09/27/2018 11:42	09/28/2018 17:37	KML
							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	0.0369		mg/L	0.0222	1	EPA 6010C	10/02/2018 10:01	10/03/2018 17:00	RB
							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	155		mg/L	10.0	1	SM 2540C	09/27/2018 21:46	09/27/2018 21:46	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Analytical Batch Summary

Batch ID: BI81358 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18I1032-01	WQ092118:1340 NP2-6	09/27/18
18I1032-02	WQ092118:1345 NP2-10	09/27/18
BI81358-BLK1	Blank	09/27/18
BI81358-BS1	LCS	09/27/18
BI81358-BSD1	LCS Dup	09/27/18

Batch ID: BI81374 **Preparation Method:** EPA 200.7 **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18I1032-02	WQ092118:1345 NP2-10	09/27/18
BI81374-BLK1	Blank	09/27/18
BI81374-BS1	LCS	09/27/18

Batch ID: BI81421 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
18I1032-02	WQ092118:1345 NP2-10	09/27/18
BI81421-BLK1	Blank	09/27/18
BI81421-DUP1	Duplicate	09/27/18

Batch ID: BJ80099 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18I1032-02	WQ092118:1345 NP2-10	10/02/18
BJ80099-BLK1	Blank	10/02/18
BJ80099-BS1	LCS	10/02/18



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI81358 - EPA 5030B

Blank (BI81358-BLK1)

Prepared & Analyzed: 09/27/2018

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	"								
n-Propylbenzene	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
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Batch BI81358 - EPA 5030B

Blank (BI81358-BLK1)

Prepared & Analyzed: 09/27/2018

o-Xylene	ND	0.500	ug/L								
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	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	10.5		"	10.0		105	70-130				
<i>Surrogate: Toluene-d8</i>	9.71		"	10.0		97.1	70-130				
<i>Surrogate: p-Bromofluorobenzene</i>	9.32		"	10.0		93.2	70-130				

LCS (BI81358-BS1)

Prepared & Analyzed: 09/27/2018

1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126				30
1,1,1-Trichloroethane	11.2		"	10.0		112	70-130				20
1,1,2,2-Tetrachloroethane	9.33		"	10.0		93.3	70-130				20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	70-130				20
1,1,2-Trichloroethane	9.81		"	10.0		98.1	70-130				20
1,1-Dichloroethane	10.4		"	10.0		104	70-130				20
1,1-Dichloroethylene	10.2		"	10.0		102	70-130				20
1,1-Dichloropropylene	10.4		"	10.0		104	83-133				30
1,2,3-Trichlorobenzene	9.00		"	10.0		90.0	70-130				20
1,2,3-Trichloropropane	9.59		"	10.0		95.9	77-128				30
1,2,4-Trichlorobenzene	9.22		"	10.0		92.2	70-130				20
1,2,4-Trimethylbenzene	9.38		"	10.0		93.8	82-132				20
1,2-Dibromo-3-chloropropane	8.42		"	10.0		84.2	40-160				20
1,2-Dibromoethane	10.1		"	10.0		101	70-130				20
1,2-Dichlorobenzene	9.81		"	10.0		98.1	70-130				20
1,2-Dichloroethane	11.5		"	10.0		115	70-130				20
1,2-Dichloropropane	9.13		"	10.0		91.3	70-130				20
1,3,5-Trimethylbenzene	9.35		"	10.0		93.5	80-131				30
1,3-Dichlorobenzene	9.76		"	10.0		97.6	70-130				20
1,3-Dichloropropane	9.77		"	10.0		97.7	81-125				30
1,4-Dichlorobenzene	9.75		"	10.0		97.5	70-130				20
2,2-Dichloropropane	11.3		"	10.0		113	56-150				30
2-Chlorotoluene	9.41		"	10.0		94.1	79-130				30
2-Hexanone	9.37		"	10.0		93.7	40-160				20
4-Chlorotoluene	9.29		"	10.0		92.9	79-128				30
Acetone	10.7		"	10.0		107	40-160				20
Benzene	11.0		"	10.0		110	70-130				20
Bromobenzene	8.93		"	10.0		89.3	78-129				30
Bromochloromethane	10.6		"	10.0		106	70-130				20
Bromodichloromethane	9.95		"	10.0		99.5	70-130				20
Bromoform	10.2		"	10.0		102	70-130				20
Bromomethane	3.35		"	10.0		33.5	40-160	Low Bias			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
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Batch BI81358 - EPA 5030B

LCS (BI81358-BS1)

Prepared & Analyzed: 09/27/2018

Carbon tetrachloride	11.6		ug/L	10.0		116	70-130				20
Chlorobenzene	10.2		"	10.0		102	70-130				20
Chloroethane	11.3		"	10.0		113	40-160				20
Chloroform	11.1		"	10.0		111	70-130				20
Chloromethane	8.40		"	10.0		84.0	40-160				20
cis-1,2-Dichloroethylene	10.6		"	10.0		106	70-130				20
cis-1,3-Dichloropropylene	9.55		"	10.0		95.5	70-130				20
Dibromochloromethane	10.4		"	10.0		104	70-130				20
Dibromomethane	9.89		"	10.0		98.9	72-134				30
Dichlorodifluoromethane	16.5		"	10.0		165	40-160	High Bias			20
Ethyl Benzene	10.1		"	10.0		101	70-130				20
Hexachlorobutadiene	9.75		"	10.0		97.5	67-146				30
Isopropylbenzene	9.14		"	10.0		91.4	70-130				20
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	70-130				20
Methylene chloride	9.66		"	10.0		96.6	70-130				20
Naphthalene	8.55		"	10.0		85.5	70-147				30
n-Butylbenzene	9.67		"	10.0		96.7	79-132				30
n-Propylbenzene	9.23		"	10.0		92.3	78-133				30
o-Xylene	10.2		"	10.0		102	70-130				20
p- & m- Xylenes	17.3		"	20.0		86.4	70-130				20
p-Isopropyltoluene	9.72		"	10.0		97.2	81-136				30
sec-Butylbenzene	9.85		"	10.0		98.5	79-137				30
Styrene	10.2		"	10.0		102	70-130				20
tert-Butylbenzene	9.62		"	10.0		96.2	77-138				30
Tetrachloroethylene	7.90		"	10.0		79.0	70-130				20
Toluene	10.2		"	10.0		102	70-130				20
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130				20
trans-1,3-Dichloropropylene	9.41		"	10.0		94.1	70-130				20
Trichloroethylene	9.43		"	10.0		94.3	70-130				20
Trichlorofluoromethane	13.4		"	10.0		134	40-160				20
Vinyl Chloride	11.5		"	10.0		115	70-130				20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.8</i>		<i>"</i>	<i>10.0</i>		<i>108</i>	<i>70-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.70</i>		<i>"</i>	<i>10.0</i>		<i>97.0</i>	<i>70-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.07</i>		<i>"</i>	<i>10.0</i>		<i>90.7</i>	<i>70-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI81358 - EPA 5030B											
LCS Dup (BI81358-bsd1)											
										Prepared & Analyzed: 09/27/2018	
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126		1.21	30	
1,1,1-Trichloroethane	11.5		"	10.0		115	70-130		2.65	20	
1,1,2,2-Tetrachloroethane	9.28		"	10.0		92.8	70-130		0.537	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.7		"	10.0		117	70-130		4.81	20	
1,1,2-Trichloroethane	9.74		"	10.0		97.4	70-130		0.716	20	
1,1-Dichloroethane	10.6		"	10.0		106	70-130		1.99	20	
1,1-Dichloroethylene	10.5		"	10.0		105	70-130		2.81	20	
1,1-Dichloropropylene	10.7		"	10.0		107	83-133		2.93	30	
1,2,3-Trichlorobenzene	9.57		"	10.0		95.7	70-130		6.14	20	
1,2,3-Trichloropropane	9.48		"	10.0		94.8	77-128		1.15	30	
1,2,4-Trichlorobenzene	9.55		"	10.0		95.5	70-130		3.52	20	
1,2,4-Trimethylbenzene	9.48		"	10.0		94.8	82-132		1.06	20	
1,2-Dibromo-3-chloropropane	8.45		"	10.0		84.5	40-160		0.356	20	
1,2-Dibromoethane	10.0		"	10.0		100	70-130		0.398	20	
1,2-Dichlorobenzene	9.94		"	10.0		99.4	70-130		1.32	20	
1,2-Dichloroethane	11.6		"	10.0		116	70-130		0.693	20	
1,2-Dichloropropane	9.15		"	10.0		91.5	70-130		0.219	20	
1,3,5-Trimethylbenzene	9.52		"	10.0		95.2	80-131		1.80	30	
1,3-Dichlorobenzene	9.90		"	10.0		99.0	70-130		1.42	20	
1,3-Dichloropropane	9.76		"	10.0		97.6	81-125		0.102	30	
1,4-Dichlorobenzene	9.80		"	10.0		98.0	70-130		0.512	20	
2,2-Dichloropropane	11.4		"	10.0		114	56-150		1.23	30	
2-Chlorotoluene	9.54		"	10.0		95.4	79-130		1.37	30	
2-Hexanone	9.52		"	10.0		95.2	40-160		1.59	20	
4-Chlorotoluene	9.37		"	10.0		93.7	79-128		0.857	30	
Acetone	12.2		"	10.0		122	40-160		13.4	20	
Benzene	11.2		"	10.0		112	70-130		1.72	20	
Bromobenzene	8.99		"	10.0		89.9	78-129		0.670	30	
Bromochloromethane	10.6		"	10.0		106	70-130		0.849	20	
Bromodichloromethane	9.99		"	10.0		99.9	70-130		0.401	20	
Bromoform	10.1		"	10.0		101	70-130		0.981	20	
Bromomethane	3.79		"	10.0		37.9	40-160	Low Bias	12.3	20	
Carbon tetrachloride	11.9		"	10.0		119	70-130		3.23	20	
Chlorobenzene	10.3		"	10.0		103	70-130		1.07	20	
Chloroethane	11.5		"	10.0		115	40-160		1.31	20	
Chloroform	11.2		"	10.0		112	70-130		1.17	20	
Chloromethane	8.56		"	10.0		85.6	40-160		1.89	20	
cis-1,2-Dichloroethylene	10.8		"	10.0		108	70-130		1.78	20	
cis-1,3-Dichloropropylene	9.61		"	10.0		96.1	70-130		0.626	20	
Dibromochloromethane	10.4		"	10.0		104	70-130		0.00	20	
Dibromomethane	9.81		"	10.0		98.1	72-134		0.812	30	
Dichlorodifluoromethane	17.2		"	10.0		172	40-160	High Bias	4.04	20	
Ethyl Benzene	10.3		"	10.0		103	70-130		1.66	20	
Hexachlorobutadiene	9.82		"	10.0		98.2	67-146		0.715	30	
Isopropylbenzene	9.41		"	10.0		94.1	70-130		2.91	20	
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	70-130		0.714	20	
Methylene chloride	9.75		"	10.0		97.5	70-130		0.927	20	
Naphthalene	8.99		"	10.0		89.9	70-147		5.02	30	
n-Butylbenzene	9.07		"	10.0		90.7	79-132		6.40	30	
n-Propylbenzene	9.45		"	10.0		94.5	78-133		2.36	30	
o-Xylene	10.3		"	10.0		103	70-130		1.17	20	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

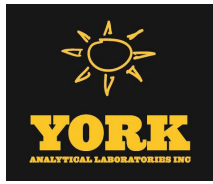
Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD	Flag
		Limit			Result					Limit	

Batch BI81358 - EPA 5030B

LCS Dup (BI81358-BSD1)

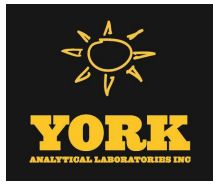
Prepared & Analyzed: 09/27/2018

p- & m- Xylenes	17.5		ug/L	20.0		87.5	70-130		1.32	20
p-Isopropyltoluene	9.89		"	10.0		98.9	81-136		1.73	30
sec-Butylbenzene	10.1		"	10.0		101	79-137		2.11	30
Styrene	10.3		"	10.0		103	70-130		0.780	20
tert-Butylbenzene	9.81		"	10.0		98.1	77-138		1.96	30
Tetrachloroethylene	8.08		"	10.0		80.8	70-130		2.25	20
Toluene	10.3		"	10.0		103	70-130		0.974	20
trans-1,2-Dichloroethylene	10.4		"	10.0		104	70-130		1.36	20
trans-1,3-Dichloropropylene	9.36		"	10.0		93.6	70-130		0.533	20
Trichloroethylene	9.66		"	10.0		96.6	70-130		2.41	20
Trichlorofluoromethane	13.9		"	10.0		139	40-160		4.11	20
Vinyl Chloride	11.9		"	10.0		119	70-130		3.33	20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.67</i>		<i>"</i>	<i>10.0</i>		<i>96.7</i>	<i>70-130</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.12</i>		<i>"</i>	<i>10.0</i>		<i>91.2</i>	<i>70-130</i>			



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 BI81374 - EPA 200.7											
Blank (BI81374-BLK1)											
Iron	ND	0.0200	mg/L								
Prepared: 09/27/2018 Analyzed: 09/28/2018											
LCS (BI81374-BS1)											
Iron	0.995		ug/mL	1.00		99.5	85-115				
Prepared: 09/27/2018 Analyzed: 09/28/2018											
Batch BJ80099 - EPA 3015A											
Blank (BJ80099-BLK1)											
Iron - Dissolved	ND	0.0222	mg/L								
Prepared: 10/02/2018 Analyzed: 10/03/2018											
LCS (BJ80099-BS1)											
Iron - Dissolved	1.07		ug/mL	1.00		107	80-120				
Prepared: 10/02/2018 Analyzed: 10/03/2018											



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI81421 - % Solids Prep

Blank (BI81421-BLK1)

Prepared & Analyzed: 09/27/2018

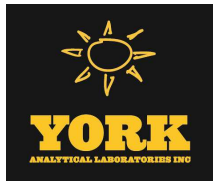
Total Dissolved Solids ND 10.0 mg/L

Duplicate (BI81421-DUP1)

*Source sample: 18I1032-02 (WQ092118:1345 NP2-10)

Prepared & Analyzed: 09/27/2018

Total Dissolved Solids 150 10.0 mg/L 155 3.28 15



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18I1032-01	WQ092118:1340 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18I1032-02	WQ092118:1345 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.

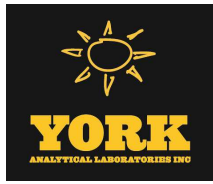
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For 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.



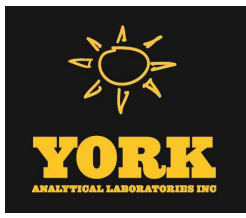
YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRAITFORD, CT 06615
(203) 325-1371
Fax (203) 357-0166

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. 18 I1032

YOUR INFORMATION		Report to:		Invoice To:		Your Project ID		Turn-Around Time		Report/Deliverable Type			
Company: <u>WSP USA</u>	<input checked="" type="checkbox"/> SAME	Name: _____	<input checked="" type="checkbox"/> SAME	31401451.000 task		RUSH-Same Day		Summary Report		X, PDF			
Address: <u>4 Research Drive</u>	Name: _____	Company: _____		Purchase Order #		RUSH-Next Day		QA Report		X, PDF			
Suite <u>301, Shelton CT 06484</u>	Company: _____	Address: _____		31401451.000 task		RUSH-Two Day		CT RCP		CT RCP DQA/DUE Pkg			
Phone: <u>203.929.8555</u>	Address: _____	E-mail: _____		01.00		RUSH-Three Day		NY ASP A Package		NY ASP B Package			
Contact: <u>Tunde Sandor</u>	Matrix Codes	S - soil		Samples from CT_NY_x_NJ_		RUSH-Four Day		Excel		NYDEP Reduced Deliv			
E-mail: <u>tunde.sandor@wsp.com</u>	Other - specify (oil, etc)	WW - wastewater		Standard (5-7day)		X		NYSDEC EQUIS					
<p>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.</p> <p>Samples Collected/Authorized By (Signature) <i>[Signature]</i> Name (printed) <u>Evan Foster</u></p>		<p>Volatiles</p> <p>8260 full TICs</p> <p>624 Site Spec.</p> <p>STARS list Nassau Co.</p> <p>BTEX Suffolk Co.</p> <p>MTBE Ketones</p> <p>TCL list Oxygenates</p> <p>TAGM list TCLP list</p> <p>CT RCP list 524.2</p> <p>Arom. only 502.2</p> <p>Halogen only NDEP list</p> <p>App.IX list</p> <p>8021B list</p>		<p>Semil-Vols, Pest/PCB/Herb</p> <p>8270 or 625 8082PCB</p> <p>STARS list 8081Pest</p> <p>BN Only 8151Herb</p> <p>Adds Only CT RCP</p> <p>PAH list App. IX</p> <p>TAGM list Site Spec.</p> <p>CT RCP list SFLP or TCLP</p> <p>TCL list TCLP Pest</p> <p>NDEP list TCLP Herb</p> <p>App. IX Chloroform</p> <p>TCLP BNA 608 Pest</p> <p>SFLP or TCLP 608 PCB</p>		<p>Metals</p> <p>RCEA8</p> <p>PP13 list</p> <p>TAL</p> <p>CTI.5 list</p> <p>TAGM list</p> <p>NIDEF list</p> <p>Total</p> <p>Dissolved</p> <p>SFLP or TCLP</p> <p>Inhib. Metals</p> <p>LIST Below</p> <p>Helium</p>		<p>Misc. Org.</p> <p>TPH GRO</p> <p>TPH DRO</p> <p>CT ETPH</p> <p>NY 310-13</p> <p>TPH 1664</p> <p>Air TO14A</p> <p>Air TO15</p> <p>Air STARS</p> <p>Air VPH</p> <p>Air TICs</p> <p>Methane</p> <p>NYDEP/Sever</p> <p>NYDEP/Sever</p> <p>TAGM</p>		<p>Full Lists</p> <p>Pri. Poll.</p> <p>TCL Organics</p> <p>TAL/M&PCN</p> <p>Full TCLP</p> <p>Full App. IX</p> <p>Part 360-Routine</p> <p>Part 360-Baseline</p> <p>Part 360-Residual</p> <p>Part 360-Field</p> <p>NYDEP/Sever</p> <p>NYDEP/Sever</p> <p>TAGM</p>		<p>Report/Deliverable Type</p> <p>Summary Report X, PDF</p> <p>QA Report X, PDF</p> <p>CT RCP</p> <p>CT RCP DQA/DUE Pkg</p> <p>NY ASP A Package</p> <p>NY ASP B Package</p> <p>NYDEP Reduced Deliv</p> <p>Excel</p> <p>NYSDEC EQUIS</p> <p>NYDEP SRP HazSite</p> <p>EQUIS</p> <p>GIS/KEY (std)</p> <p>YORK Regulatory Comp Excel</p> <p>compared to:</p> <p>OTHER:</p>	
<p>Matrix</p> <p>GW</p> <p>GW</p>		<p>Analysis Requested (List above includes common analysis)</p> <p>VOCs 8260 full plus freon 113</p> <p>Fe by EPA 200.7; Fe dissolved by EPA 6010; VOCs 8260 full plus freon 113; TDS</p>		<p>Container Description</p> <p><u>3 vials</u></p> <p><u>3 vials, 3 plastic</u></p>									
<p>Sample Identification</p> <p>W092118:1340 NP2-6 1345 NP2-10 1345</p>		<p>Date+Time Sampled</p> <p>9-21-18 1340 1345</p>		<p>Preservation (check all applicable)</p> <p>4°C <input checked="" type="checkbox"/> Frozen <input checked="" type="checkbox"/> HCl <input checked="" type="checkbox"/> MeOH <input checked="" type="checkbox"/> HNO₃ <input checked="" type="checkbox"/> H₂O <input checked="" type="checkbox"/> NaOH</p> <p>Special Instructions</p> <p>Field Filtered <input type="checkbox"/></p> <p>Lab to Filter <input type="checkbox"/></p>		<p>Comments:</p> <p><i>[Signature]</i> 9/25/18 1210</p> <p>Samples Relinquished By _____ Date/Time _____</p> <p>Samples Relinquished By _____ Date/Time _____</p> <p>Samples Received By <u>[Signature]</u> Date/Time <u>9-25-18 1319</u></p> <p>Samples Received in LAB by _____ Date/Time _____</p> <p>Temperature on Receipt <u>0-3°C</u></p>							



Technical Report

prepared for:

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

Report Date: 09/10/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18H1387

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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132-02 89th AVENUE
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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 09/10/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18H1387

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 August 30, 2018 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18H1387-01	WQ082818:840 NP2-6	Water	08/28/2018	08/30/2018
18H1387-02	WQ082818:845 NP2-10	Water	08/28/2018	08/30/2018

General Notes for York Project (SDG) No.: 18H1387

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 09/10/2018





Sample Information

Client Sample ID: WQ082818:840 NP2-6

York Sample ID: 18H1387-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1387	31401451.000 task 01.00	Water	August 28, 2018 8:40 am	08/30/2018

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 15:01	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS



Sample Information

Client Sample ID: WQ082818:840 NP2-6

York Sample ID: 18H1387-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1387

31401451.000 task 01.00

Water

August 28, 2018 8:40 am

08/30/2018

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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
78-93-3	2-Butanone	0.210		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
67-64-1	Acetone	2.13	ICV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS



Sample Information

Client Sample ID: WQ082818:840 NP2-6

York Sample ID: 18H1387-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1387

31401451.000 task 01.00

Water

August 28, 2018 8:40 am

08/30/2018

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
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 15:01	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
74-88-4	* Iodomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
80-62-6	Methyl Methacrylate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 15:01	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01	RDS
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01	RDS



Sample Information

Client Sample ID: WQ082818:840 NP2-6

York Sample ID: 18H1387-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1387

31401451.000 task 01.00

Water

August 28, 2018 8:40 am

08/30/2018

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
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.00	8.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
75-65-0	tert-Butyl alcohol (TBA)	1.52	CCV-E	ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
109-99-9	* Tetrahydrofuran	4.73		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:01	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 15:01	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %	70-130								
2037-26-5	Surrogate: Toluene-d8	92.0 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	92.5 %	70-130								



Sample Information

Client Sample ID: WQ082818:845 NP2-10

York Sample ID: 18H1387-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1387

31401451.000 task 01.00

Water

August 28, 2018 8:45 am

08/30/2018

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 15:30	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS



Sample Information

Client Sample ID: WQ082818:845 NP2-10

York Sample ID: 18H1387-02

<u>York Project (SDG) No.</u> 18H1387	<u>Client Project ID</u> 31401451.000 task 01.00	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 28, 2018 8:45 am	<u>Date Received</u> 08/30/2018
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Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
67-64-1	Acetone	1.62	ICV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS



Sample Information

Client Sample ID: WQ082818:845 NP2-10

York Sample ID: 18H1387-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1387

31401451.000 task 01.00

Water

August 28, 2018 8:45 am

08/30/2018

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
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 15:30	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
74-88-4	* Iodomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
80-62-6	Methyl Methacrylate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 15:30	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30	RDS
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS



Sample Information

Client Sample ID: WQ082818:845 NP2-10

York Sample ID: 18H1387-02

<u>York Project (SDG) No.</u> 18H1387	<u>Client Project ID</u> 31401451.000 task 01.00	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 28, 2018 8:45 am	<u>Date Received</u> 08/30/2018
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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
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.00	8.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
75-65-0	tert-Butyl alcohol (TBA)	1.05	CCV-E	ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
109-99-9	* Tetrahydrofuran	95.4		ug/L	1.00	2.50	5	EPA 8260C Certifications:	09/04/2018 07:30	09/05/2018 17:29	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:30	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 15:30	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %	70-130								
2037-26-5	Surrogate: Toluene-d8	91.7 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	93.1 %	70-130								

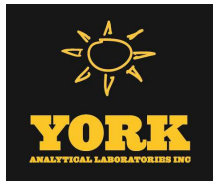
Iron by EPA 200.7

Log-in Notes:

Sample Notes:

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	0.124		mg/L	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:02	09/06/2018 14:04	KML



Sample Information

Client Sample ID: WQ082818:845 NP2-10

York Sample ID: 18H1387-02

York Project (SDG) No.
18H1387

Client Project ID
31401451.000 task 01.00

Matrix
Water

Collection Date/Time
August 28, 2018 8:45 am

Date Received
08/30/2018

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	0.125	B	mg/L	0.0222	1	EPA 6010C	09/07/2018 09:47	09/07/2018 17:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



Analytical Batch Summary

Batch ID: BI80009 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18H1387-01	WQ082818:840 NP2-6	09/04/18
18H1387-02	WQ082818:845 NP2-10	09/04/18
BI80009-BLK1	Blank	09/04/18
BI80009-BS1	LCS	09/04/18
BI80009-BSD1	LCS Dup	09/04/18

Batch ID: BI80068 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18H1387-02RE1	WQ082818:845 NP2-10	09/04/18
BI80068-BLK1	Blank	09/05/18
BI80068-BS1	LCS	09/05/18
BI80068-BSD1	LCS Dup	09/05/18

Batch ID: BI80094 **Preparation Method:** EPA 200.7 **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18H1387-02	WQ082818:845 NP2-10	09/05/18
BI80094-BLK1	Blank	09/05/18
BI80094-BS1	LCS	09/05/18

Batch ID: BI80258 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18H1387-02	WQ082818:845 NP2-10	09/07/18
BI80258-BLK1	Blank	09/07/18
BI80258-BS1	LCS	09/07/18



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80009 - EPA 5030B

Blank (BI80009-BLK1)

Prepared & Analyzed: 09/04/2018

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	"								
1,2,4,5-Tetramethylbenzene	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	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	2.00	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	2.00	"								
Carbon disulfide	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	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80009 - EPA 5030B

Blank (BI80009-BLK1)

Prepared & Analyzed: 09/04/2018

Diisopropyl ether (DIPE)	ND	0.800	ug/L										
Ethyl Benzene	ND	0.500	"										
Ethyl tert-butyl ether (ETBE)	ND	0.800	"										
Hexachlorobutadiene	ND	0.500	"										
Iodomethane	ND	0.500	"										
Isopropylbenzene	ND	0.500	"										
Methyl acetate	ND	0.500	"										
Methyl Methacrylate	ND	0.500	"										
Methyl tert-butyl ether (MTBE)	ND	0.500	"										
Methylcyclohexane	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-Diethylbenzene	ND	0.500	"										
p-Ethyltoluene	ND	0.500	"										
p-Isopropyltoluene	ND	0.500	"										
sec-Butylbenzene	ND	0.500	"										
Styrene	ND	0.500	"										
tert-Amyl alcohol (TAA)	ND	8.00	"										
tert-Amyl methyl ether (TAME)	ND	0.800	"										
tert-Butyl alcohol (TBA)	ND	1.00	"										
tert-Butylbenzene	ND	0.500	"										
Tetrachloroethylene	ND	0.500	"										
Tetrahydrofuran	ND	0.500	"										
Toluene	ND	0.500	"										
trans-1,2-Dichloroethylene	ND	0.500	"										
trans-1,3-Dichloropropylene	ND	0.500	"										
trans-1,4-dichloro-2-butene	ND	0.500	"										
Trichloroethylene	ND	0.500	"										
Trichlorofluoromethane	ND	0.500	"										
Vinyl acetate	ND	0.500	"										
Vinyl Chloride	ND	0.500	"										
Xylenes, Total	ND	1.50	"										
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.8</i>		<i>"</i>	<i>10.0</i>		<i>108</i>		<i>70-130</i>					
<i>Surrogate: Toluene-d8</i>	<i>9.16</i>		<i>"</i>	<i>10.0</i>		<i>91.6</i>		<i>70-130</i>					
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.34</i>		<i>"</i>	<i>10.0</i>		<i>93.4</i>		<i>70-130</i>					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80009 - EPA 5030B											
LCS (BI80009-BS1)											
Prepared & Analyzed: 09/04/2018											
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126				30
1,1,1-Trichloroethane	11.4		"	10.0		114	70-130				20
1,1,2,2-Tetrachloroethane	9.38		"	10.0		93.8	70-130				20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14.7		"	10.0		147	70-130	High Bias			20
1,1,2-Trichloroethane	9.32		"	10.0		93.2	70-130				20
1,1-Dichloroethane	11.6		"	10.0		116	70-130				20
1,1-Dichloroethylene	13.9		"	10.0		139	70-130	High Bias			20
1,1-Dichloropropylene	11.6		"	10.0		116	83-133				30
1,2,3-Trichlorobenzene	8.28		"	10.0		82.8	70-130				20
1,2,3-Trichloropropane	9.28		"	10.0		92.8	77-128				30
1,2,4,5-Tetramethylbenzene	10.3		"	10.0		103	85-140				30
1,2,4-Trichlorobenzene	9.00		"	10.0		90.0	70-130				20
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132				20
1,2-Dibromo-3-chloropropane	7.94		"	10.0		79.4	40-160				20
1,2-Dibromoethane	9.54		"	10.0		95.4	70-130				20
1,2-Dichlorobenzene	9.90		"	10.0		99.0	70-130				20
1,2-Dichloroethane	10.5		"	10.0		105	70-130				20
1,2-Dichloropropane	9.88		"	10.0		98.8	70-130				20
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131				30
1,3-Dichlorobenzene	10.6		"	10.0		106	70-130				20
1,3-Dichloropropane	9.42		"	10.0		94.2	81-125				30
1,4-Dichlorobenzene	9.78		"	10.0		97.8	70-130				20
1,4-Dioxane	229		"	210		109	40-160				20
2,2-Dichloropropane	11.0		"	10.0		110	56-150				30
2-Butanone	9.07		"	10.0		90.7	40-160				20
2-Chlorotoluene	10.7		"	10.0		107	79-130				30
2-Hexanone	7.69		"	10.0		76.9	40-160				20
4-Chlorotoluene	10.2		"	10.0		102	79-128				30
4-Methyl-2-pentanone	8.19		"	10.0		81.9	40-160				20
Acetone	8.57		"	10.0		85.7	40-160				20
Acrolein	7.30		"	10.0		73.0	10-153				30
Acrylonitrile	9.75		"	10.0		97.5	51-150				30
Benzene	11.8		"	10.0		118	70-130				20
Bromobenzene	9.60		"	10.0		96.0	78-129				30
Bromochloromethane	10.9		"	10.0		109	70-130				20
Bromodichloromethane	9.55		"	10.0		95.5	70-130				20
Bromoform	9.27		"	10.0		92.7	70-130				20
Bromomethane	11.3		"	10.0		113	40-160				20
Carbon disulfide	13.2		"	10.0		132	40-160				20
Carbon tetrachloride	11.5		"	10.0		115	70-130				20
Chlorobenzene	10.8		"	10.0		108	70-130				20
Chloroethane	11.7		"	10.0		117	40-160				20
Chloroform	11.4		"	10.0		114	70-130				20
Chloromethane	11.4		"	10.0		114	40-160				20
cis-1,2-Dichloroethylene	11.4		"	10.0		114	70-130				20
cis-1,3-Dichloropropylene	9.62		"	10.0		96.2	70-130				20
Cyclohexane	11.6		"	10.0		116	70-130				20
Dibromochloromethane	9.78		"	10.0		97.8	70-130				20
Dibromomethane	9.31		"	10.0		93.1	72-134				30
Dichlorodifluoromethane	13.2		"	10.0		132	40-160				20
Diisopropyl ether (DIPE)	10.8		"	10.0		108	70-130				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
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Batch BI80009 - EPA 5030B

LCS (BI80009-BS1)

Prepared & Analyzed: 09/04/2018

Ethyl Benzene	11.0		ug/L	10.0		110	70-130				20
Ethyl tert-butyl ether (ETBE)	10.2		"	10.0		102	70-130				30
Hexachlorobutadiene	11.4		"	10.0		114	67-146				30
Iodomethane	12.4		"	10.0		124	70-130				20
Isopropylbenzene	10.5		"	10.0		105	70-130				20
Methyl acetate	9.56		"	10.0		95.6	70-130				20
Methyl Methacrylate	8.44		"	10.0		84.4	72-132				30
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	70-130				20
Methylcyclohexane	10.3		"	10.0		103	70-130				20
Methylene chloride	11.4		"	10.0		114	70-130				20
Naphthalene	8.29		"	10.0		82.9	70-147				30
n-Butylbenzene	10.7		"	10.0		107	79-132				30
n-Propylbenzene	10.8		"	10.0		108	78-133				30
o-Xylene	10.7		"	10.0		107	70-130				20
p- & m- Xylenes	22.5		"	20.0		112	70-130				20
p-Diethylbenzene	12.0		"	10.0		120	84-134				30
p-Ethyltoluene	11.5		"	10.0		115	88-129				30
p-Isopropyltoluene	11.3		"	10.0		113	81-136				30
sec-Butylbenzene	11.4		"	10.0		114	79-137				30
Styrene	10.3		"	10.0		103	70-130				20
tert-Amyl alcohol (TAA)	93.7		"	100		93.7	70-130				30
tert-Amyl methyl ether (TAME)	10.2		"	10.0		102	70-130				30
tert-Butyl alcohol (TBA)	47.7		"	50.0		95.3	25-162				30
tert-Butylbenzene	10.6		"	10.0		106	77-138				30
Tetrachloroethylene	9.88		"	10.0		98.8	70-130				20
Tetrahydrofuran	9.14		"	10.0		91.4	36-166				30
Toluene	10.7		"	10.0		107	70-130				20
trans-1,2-Dichloroethylene	11.4		"	10.0		114	70-130				20
trans-1,3-Dichloropropylene	9.00		"	10.0		90.0	70-130				20
trans-1,4-dichloro-2-butene	9.34		"	10.0		93.4	63-141				30
Trichloroethylene	10.4		"	10.0		104	70-130				20
Trichlorofluoromethane	11.4		"	10.0		114	40-160				20
Vinyl acetate	11.0		"	10.0		110	21-90	High Bias			30
Vinyl Chloride	12.2		"	10.0		122	70-130				20
Surrogate: 1,2-Dichloroethane-d4	9.68		"	10.0		96.8	70-130				
Surrogate: Toluene-d8	9.48		"	10.0		94.8	70-130				
Surrogate: p-Bromofluorobenzene	9.59		"	10.0		95.9	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 BI80009 - EPA 5030B											
LCS Dup (BI80009-bsd1)											
										Prepared & Analyzed: 09/04/2018	
1,1,1,2-Tetrachloroethane	11.3		ug/L	10.0		113	82-126		5.44	30	
1,1,1-Trichloroethane	11.5		"	10.0		115	70-130		1.05	20	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	70-130		11.7	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.1		"	10.0		131	70-130	High Bias	11.2	20	
1,1,2-Trichloroethane	10.5		"	10.0		105	70-130		12.0	20	
1,1-Dichloroethane	12.0		"	10.0		120	70-130		2.63	20	
1,1-Dichloroethylene	11.0		"	10.0		110	70-130		23.2	20	Non-dir.
1,1-Dichloropropylene	11.7		"	10.0		117	83-133		0.772	30	
1,2,3-Trichlorobenzene	9.21		"	10.0		92.1	70-130		10.6	20	
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128		10.7	30	
1,2,4,5-Tetramethylbenzene	10.4		"	10.0		104	85-140		0.580	30	
1,2,4-Trichlorobenzene	9.62		"	10.0		96.2	70-130		6.66	20	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132		3.15	20	
1,2-Dibromo-3-chloropropane	9.19		"	10.0		91.9	40-160		14.6	20	
1,2-Dibromoethane	10.8		"	10.0		108	70-130		12.7	20	
1,2-Dichlorobenzene	10.2		"	10.0		102	70-130		3.47	20	
1,2-Dichloroethane	11.9		"	10.0		119	70-130		12.4	20	
1,2-Dichloropropane	10.3		"	10.0		103	70-130		3.87	20	
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131		4.83	30	
1,3-Dichlorobenzene	10.6		"	10.0		106	70-130		0.283	20	
1,3-Dichloropropane	10.5		"	10.0		105	81-125		11.1	30	
1,4-Dichlorobenzene	9.83		"	10.0		98.3	70-130		0.510	20	
1,4-Dioxane	514		"	210		245	40-160	High Bias	76.8	20	Non-dir.
2,2-Dichloropropane	11.0		"	10.0		110	56-150		0.545	30	
2-Butanone	11.7		"	10.0		117	40-160		25.3	20	Non-dir.
2-Chlorotoluene	10.3		"	10.0		103	79-130		3.62	30	
2-Hexanone	10.1		"	10.0		101	40-160		27.3	20	Non-dir.
4-Chlorotoluene	9.92		"	10.0		99.2	79-128		2.49	30	
4-Methyl-2-pentanone	10.2		"	10.0		102	40-160		22.0	20	Non-dir.
Acetone	11.4		"	10.0		114	40-160		28.1	20	Non-dir.
Acrolein	7.23		"	10.0		72.3	10-153		0.964	30	
Acrylonitrile	11.9		"	10.0		119	51-150		20.1	30	
Benzene	12.1		"	10.0		121	70-130		2.51	20	
Bromobenzene	9.81		"	10.0		98.1	78-129		2.16	30	
Bromochloromethane	12.0		"	10.0		120	70-130		9.49	20	
Bromodichloromethane	10.1		"	10.0		101	70-130		5.40	20	
Bromoform	10.8		"	10.0		108	70-130		15.2	20	
Bromomethane	10.6		"	10.0		106	40-160		6.75	20	
Carbon disulfide	13.1		"	10.0		131	40-160		0.986	20	
Carbon tetrachloride	11.7		"	10.0		117	70-130		1.64	20	
Chlorobenzene	11.1		"	10.0		111	70-130		2.56	20	
Chloroethane	11.4		"	10.0		114	40-160		2.69	20	
Chloroform	11.9		"	10.0		119	70-130		3.78	20	
Chloromethane	11.6		"	10.0		116	40-160		1.22	20	
cis-1,2-Dichloroethylene	11.7		"	10.0		117	70-130		2.85	20	
cis-1,3-Dichloropropylene	10.3		"	10.0		103	70-130		6.83	20	
Cyclohexane	12.2		"	10.0		122	70-130		4.96	20	
Dibromochloromethane	11.0		"	10.0		110	70-130		11.8	20	
Dibromomethane	10.5		"	10.0		105	72-134		11.7	30	
Dichlorodifluoromethane	13.8		"	10.0		138	40-160		4.73	20	
Diisopropyl ether (DIPE)	12.0		"	10.0		120	70-130		10.4	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
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Batch BI80009 - EPA 5030B

LCS Dup (BI80009-BSD1)

Prepared & Analyzed: 09/04/2018

Ethyl Benzene	11.0		ug/L	10.0		110	70-130		0.0911	20	
Ethyl tert-butyl ether (ETBE)	11.8		"	10.0		118	70-130		14.6	30	
Hexachlorobutadiene	10.8		"	10.0		108	67-146		5.67	30	
Iodomethane	12.5		"	10.0		125	70-130		0.482	20	
Isopropylbenzene	9.94		"	10.0		99.4	70-130		5.38	20	
Methyl acetate	11.9		"	10.0		119	70-130		22.1	20	Non-dir.
Methyl Methacrylate	10.1		"	10.0		101	72-132		17.6	30	
Methyl tert-butyl ether (MTBE)	12.2		"	10.0		122	70-130		19.0	20	
Methylcyclohexane	10.6		"	10.0		106	70-130		2.30	20	
Methylene chloride	12.1		"	10.0		121	70-130		5.62	20	
Naphthalene	9.47		"	10.0		94.7	70-147		13.3	30	
n-Butylbenzene	9.88		"	10.0		98.8	79-132		7.59	30	
n-Propylbenzene	10.2		"	10.0		102	78-133		5.83	30	
o-Xylene	10.9		"	10.0		109	70-130		1.85	20	
p- & m- Xylenes	22.4		"	20.0		112	70-130		0.491	20	
p-Diethylbenzene	11.5		"	10.0		115	84-134		4.18	30	
p-Ethyltoluene	11.0		"	10.0		110	88-129		4.55	30	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		4.89	30	
sec-Butylbenzene	10.7		"	10.0		107	79-137		6.06	30	
Styrene	10.7		"	10.0		107	70-130		4.29	20	
tert-Amyl alcohol (TAA)	148		"	100		148	70-130	High Bias	45.0	30	Non-dir.
tert-Amyl methyl ether (TAME)	12.4		"	10.0		124	70-130		19.1	30	
tert-Butyl alcohol (TBA)	83.7		"	50.0		167	25-162	High Bias	54.8	30	Non-dir.
tert-Butylbenzene	10.1		"	10.0		101	77-138		5.30	30	
Tetrachloroethylene	9.86		"	10.0		98.6	70-130		0.203	20	
Tetrahydrofuran	11.9		"	10.0		119	36-166		26.0	30	
Toluene	10.7		"	10.0		107	70-130		0.0938	20	
trans-1,2-Dichloroethylene	11.4		"	10.0		114	70-130		0.0878	20	
trans-1,3-Dichloropropylene	10.0		"	10.0		100	70-130		10.5	20	
trans-1,4-dichloro-2-butene	9.46		"	10.0		94.6	63-141		1.28	30	
Trichloroethylene	10.3		"	10.0		103	70-130		0.484	20	
Trichlorofluoromethane	11.7		"	10.0		117	40-160		2.94	20	
Vinyl acetate	12.3		"	10.0		123	21-90	High Bias	11.8	30	
Vinyl Chloride	12.2		"	10.0		122	70-130		0.738	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</i>	<i>70-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.29</i>		<i>"</i>	<i>10.0</i>		<i>92.9</i>	<i>70-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.34</i>		<i>"</i>	<i>10.0</i>		<i>93.4</i>	<i>70-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80068 - EPA 5030B

Blank (BI80068-BLK1)

Prepared & Analyzed: 09/05/2018

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	"								
1,2,4,5-Tetramethylbenzene	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	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
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 disulfide	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	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Diisopropyl ether (DIPE)	ND	0.800	"								



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

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

Batch BI80068 - EPA 5030B

Blank (BI80068-BLK1)

Prepared & Analyzed: 09/05/2018

Ethyl Benzene	ND	0.500	ug/L										
Ethyl tert-butyl ether (ETBE)	ND	0.800	"										
Hexachlorobutadiene	ND	0.500	"										
Iodomethane	ND	0.500	"										
Isopropylbenzene	ND	0.500	"										
Methyl acetate	ND	0.500	"										
Methyl Methacrylate	ND	0.500	"										
Methyl tert-butyl ether (MTBE)	ND	0.500	"										
Methylcyclohexane	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-Diethylbenzene	ND	0.500	"										
p-Ethyltoluene	ND	0.500	"										
p-Isopropyltoluene	ND	0.500	"										
sec-Butylbenzene	ND	0.500	"										
Styrene	ND	0.500	"										
tert-Amyl alcohol (TAA)	ND	8.00	"										
tert-Amyl methyl ether (TAME)	ND	0.800	"										
tert-Butyl alcohol (TBA)	ND	1.00	"										
tert-Butylbenzene	ND	0.500	"										
Tetrachloroethylene	ND	0.500	"										
Tetrahydrofuran	ND	0.500	"										
Toluene	ND	0.500	"										
trans-1,2-Dichloroethylene	ND	0.500	"										
trans-1,3-Dichloropropylene	ND	0.500	"										
trans-1,4-dichloro-2-butene	ND	0.500	"										
Trichloroethylene	ND	0.500	"										
Trichlorofluoromethane	ND	0.500	"										
Vinyl acetate	ND	0.500	"										
Vinyl Chloride	ND	0.500	"										
Xylenes, Total	ND	1.50	"										
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.89</i>		<i>"</i>	<i>10.0</i>		<i>98.9</i>		<i>70-130</i>					
<i>Surrogate: Toluene-d8</i>	<i>9.86</i>		<i>"</i>	<i>10.0</i>		<i>98.6</i>		<i>70-130</i>					
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</i>		<i>70-130</i>					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80068 - EPA 5030B

LCS (BI80068-BS1)

Prepared & Analyzed: 09/05/2018

1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126			30	
1,1,1-Trichloroethane	9.29		"	10.0		92.9	70-130			20	
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	70-130			20	
1,1,2-Trichloroethane	9.67		"	10.0		96.7	70-130			20	
1,1-Dichloroethane	9.70		"	10.0		97.0	70-130			20	
1,1-Dichloroethylene	9.60		"	10.0		96.0	70-130			20	
1,1-Dichloropropylene	9.68		"	10.0		96.8	83-133			30	
1,2,3-Trichlorobenzene	10.2		"	10.0		102	70-130			20	
1,2,3-Trichloropropane	10.0		"	10.0		100	77-128			30	
1,2,4,5-Tetramethylbenzene	10.2		"	10.0		102	85-140			30	
1,2,4-Trichlorobenzene	9.91		"	10.0		99.1	70-130			20	
1,2,4-Trimethylbenzene	9.75		"	10.0		97.5	82-132			20	
1,2-Dibromo-3-chloropropane	10.0		"	10.0		100	40-160			20	
1,2-Dibromoethane	10.1		"	10.0		101	70-130			20	
1,2-Dichlorobenzene	9.74		"	10.0		97.4	70-130			20	
1,2-Dichloroethane	9.79		"	10.0		97.9	70-130			20	
1,2-Dichloropropane	9.35		"	10.0		93.5	70-130			20	
1,3,5-Trimethylbenzene	9.66		"	10.0		96.6	80-131			30	
1,3-Dichlorobenzene	9.77		"	10.0		97.7	70-130			20	
1,3-Dichloropropane	9.90		"	10.0		99.0	81-125			30	
1,4-Dichlorobenzene	9.88		"	10.0		98.8	70-130			20	
1,4-Dioxane	222		"	210		106	40-160			20	
2,2-Dichloropropane	9.69		"	10.0		96.9	56-150			30	
2-Butanone	9.78		"	10.0		97.8	40-160			20	
2-Chlorotoluene	9.68		"	10.0		96.8	79-130			30	
2-Hexanone	11.0		"	10.0		110	40-160			20	
4-Chlorotoluene	9.75		"	10.0		97.5	79-128			30	
4-Methyl-2-pentanone	9.94		"	10.0		99.4	40-160			20	
Acetone	9.01		"	10.0		90.1	40-160			20	
Acrolein	9.89		"	10.0		98.9	10-153			30	
Acrylonitrile	10.3		"	10.0		103	51-150			30	
Benzene	9.79		"	10.0		97.9	70-130			20	
Bromobenzene	9.73		"	10.0		97.3	78-129			30	
Bromochloromethane	10.1		"	10.0		101	70-130			20	
Bromodichloromethane	9.43		"	10.0		94.3	70-130			20	
Bromoform	10.2		"	10.0		102	70-130			20	
Bromomethane	9.44		"	10.0		94.4	40-160			20	
Carbon disulfide	11.0		"	10.0		110	40-160			20	
Carbon tetrachloride	9.47		"	10.0		94.7	70-130			20	
Chlorobenzene	9.90		"	10.0		99.0	70-130			20	
Chloroethane	10.5		"	10.0		105	40-160			20	
Chloroform	9.60		"	10.0		96.0	70-130			20	
Chloromethane	9.87		"	10.0		98.7	40-160			20	
cis-1,2-Dichloroethylene	9.71		"	10.0		97.1	70-130			20	
cis-1,3-Dichloropropylene	9.98		"	10.0		99.8	70-130			20	
Cyclohexane	9.87		"	10.0		98.7	70-130			20	
Dibromochloromethane	10.3		"	10.0		103	70-130			20	
Dibromomethane	9.53		"	10.0		95.3	72-134			30	
Dichlorodifluoromethane	12.1		"	10.0		121	40-160			20	
Diisopropyl ether (DIPE)	10.0		"	10.0		100	70-130			30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80068 - EPA 5030B

LCS (BI80068-BS1)

Prepared & Analyzed: 09/05/2018

Ethyl Benzene	10.1		ug/L	10.0		101	70-130				20
Ethyl tert-butyl ether (ETBE)	9.92		"	10.0		99.2	70-130				30
Hexachlorobutadiene	10.1		"	10.0		101	67-146				30
Iodomethane	2.40		"	10.0		24.0	70-130	Low Bias			20
Isopropylbenzene	9.29		"	10.0		92.9	70-130				20
Methyl acetate	10.6		"	10.0		106	70-130				20
Methyl Methacrylate	9.47		"	10.0		94.7	72-132				30
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	70-130				20
Methylcyclohexane	9.44		"	10.0		94.4	70-130				20
Methylene chloride	10.8		"	10.0		108	70-130				20
Naphthalene	10.3		"	10.0		103	70-147				30
n-Butylbenzene	9.78		"	10.0		97.8	79-132				30
n-Propylbenzene	9.62		"	10.0		96.2	78-133				30
o-Xylene	10.3		"	10.0		103	70-130				20
p- & m- Xylenes	17.2		"	20.0		86.1	70-130				20
p-Diethylbenzene	10.6		"	10.0		106	84-134				30
p-Ethyltoluene	9.98		"	10.0		99.8	88-129				30
p-Isopropyltoluene	9.82		"	10.0		98.2	81-136				30
sec-Butylbenzene	10.1		"	10.0		101	79-137				30
Styrene	10.2		"	10.0		102	70-130				20
tert-Amyl alcohol (TAA)	103		"	100		103	70-130				30
tert-Amyl methyl ether (TAME)	10.1		"	10.0		101	70-130				30
tert-Butyl alcohol (TBA)	45.0		"	50.0		90.0	25-162				30
tert-Butylbenzene	9.51		"	10.0		95.1	77-138				30
Tetrachloroethylene	7.66		"	10.0		76.6	70-130				20
Tetrahydrofuran	9.90		"	10.0		99.0	36-166				30
Toluene	9.68		"	10.0		96.8	70-130				20
trans-1,2-Dichloroethylene	9.73		"	10.0		97.3	70-130				20
trans-1,3-Dichloropropylene	9.90		"	10.0		99.0	70-130				20
trans-1,4-dichloro-2-butene	9.81		"	10.0		98.1	63-141				30
Trichloroethylene	9.23		"	10.0		92.3	70-130				20
Trichlorofluoromethane	10.3		"	10.0		103	40-160				20
Vinyl acetate	9.63		"	10.0		96.3	21-90	High Bias			30
Vinyl Chloride	10.1		"	10.0		101	70-130				20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.66</i>		<i>"</i>	<i>10.0</i>		<i>96.6</i>	<i>70-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.89</i>		<i>"</i>	<i>10.0</i>		<i>98.9</i>	<i>70-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.76</i>		<i>"</i>	<i>10.0</i>		<i>97.6</i>	<i>70-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	
		Limit	Units						RPD	Limit
Batch BI80068 - EPA 5030B										
LCS Dup (BI80068-bsd1)										
Prepared & Analyzed: 09/05/2018										
1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0	111	82-126			8.48	30
1,1,1-Trichloroethane	10.0		"	10.0	100	70-130			7.86	20
1,1,2,2-Tetrachloroethane	10.5		"	10.0	105	70-130			4.07	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0	109	70-130			4.39	20
1,1,2-Trichloroethane	10.2		"	10.0	102	70-130			5.43	20
1,1-Dichloroethane	10.4		"	10.0	104	70-130			7.16	20
1,1-Dichloroethylene	10.2		"	10.0	102	70-130			6.06	20
1,1-Dichloropropylene	10.2		"	10.0	102	83-133			4.74	30
1,2,3-Trichlorobenzene	11.1		"	10.0	111	70-130			9.10	20
1,2,3-Trichloropropane	10.4		"	10.0	104	77-128			3.54	30
1,2,4,5-Tetramethylbenzene	10.9		"	10.0	109	85-140			6.73	30
1,2,4-Trichlorobenzene	10.5		"	10.0	105	70-130			5.40	20
1,2,4-Trimethylbenzene	10.5		"	10.0	105	82-132			7.79	20
1,2-Dibromo-3-chloropropane	10.2		"	10.0	102	40-160			2.27	20
1,2-Dibromoethane	10.7		"	10.0	107	70-130			5.97	20
1,2-Dichlorobenzene	10.6		"	10.0	106	70-130			7.98	20
1,2-Dichloroethane	10.5		"	10.0	105	70-130			6.62	20
1,2-Dichloropropane	10.0		"	10.0	100	70-130			6.92	20
1,3,5-Trimethylbenzene	10.4		"	10.0	104	80-131			6.99	30
1,3-Dichlorobenzene	10.5		"	10.0	105	70-130			7.30	20
1,3-Dichloropropane	10.5		"	10.0	105	81-125			5.60	30
1,4-Dichlorobenzene	10.6		"	10.0	106	70-130			7.50	20
1,4-Dioxane	253		"	210	120	40-160			12.8	20
2,2-Dichloropropane	10.3		"	10.0	103	56-150			5.71	30
2-Butanone	10.6		"	10.0	106	40-160			8.33	20
2-Chlorotoluene	10.4		"	10.0	104	79-130			7.08	30
2-Hexanone	11.5		"	10.0	115	40-160			4.36	20
4-Chlorotoluene	10.5		"	10.0	105	79-128			7.03	30
4-Methyl-2-pentanone	10.6		"	10.0	106	40-160			6.43	20
Acetone	10.0		"	10.0	100	40-160			10.4	20
Acrolein	10.2		"	10.0	102	10-153			3.09	30
Acrylonitrile	9.08		"	10.0	90.8	51-150			12.6	30
Benzene	10.4		"	10.0	104	70-130			6.43	20
Bromobenzene	10.4		"	10.0	104	78-129			6.94	30
Bromochloromethane	10.9		"	10.0	109	70-130			7.60	20
Bromodichloromethane	10.1		"	10.0	101	70-130			6.46	20
Bromoform	10.7		"	10.0	107	70-130			5.09	20
Bromomethane	10.6		"	10.0	106	40-160			11.6	20
Carbon disulfide	11.7		"	10.0	117	40-160			5.88	20
Carbon tetrachloride	9.95		"	10.0	99.5	70-130			4.94	20
Chlorobenzene	10.5		"	10.0	105	70-130			5.79	20
Chloroethane	11.0		"	10.0	110	40-160			4.85	20
Chloroform	10.2		"	10.0	102	70-130			6.26	20
Chloromethane	10.9		"	10.0	109	40-160			9.73	20
cis-1,2-Dichloroethylene	10.4		"	10.0	104	70-130			6.96	20
cis-1,3-Dichloropropylene	10.6		"	10.0	106	70-130			5.93	20
Cyclohexane	10.3		"	10.0	103	70-130			4.07	20
Dibromochloromethane	11.0		"	10.0	110	70-130			6.77	20
Dibromomethane	10.1		"	10.0	101	72-134			5.91	30
Dichlorodifluoromethane	11.7		"	10.0	117	40-160			3.44	20
Diisopropyl ether (DIPE)	10.8		"	10.0	108	70-130			7.56	30



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

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

Batch BI80068 - EPA 5030B

LCS Dup (BI80068-BSD1)

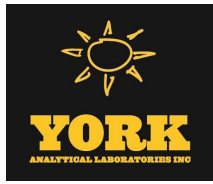
Prepared & Analyzed: 09/05/2018

Ethyl Benzene	10.8		ug/L	10.0	108	70-130			6.63	20
Ethyl tert-butyl ether (ETBE)	10.6		"	10.0	106	70-130			7.10	30
Hexachlorobutadiene	10.5		"	10.0	105	67-146			3.98	30
Iodomethane	2.89		"	10.0	28.9	70-130	Low Bias		18.5	20
Isopropylbenzene	9.90		"	10.0	99.0	70-130			6.36	20
Methyl acetate	11.0		"	10.0	110	70-130			3.53	20
Methyl Methacrylate	10.2		"	10.0	102	72-132			7.23	30
Methyl tert-butyl ether (MTBE)	11.0		"	10.0	110	70-130			7.90	20
Methylcyclohexane	9.74		"	10.0	97.4	70-130			3.13	20
Methylene chloride	11.6		"	10.0	116	70-130			6.85	20
Naphthalene	11.0		"	10.0	110	70-147			6.75	30
n-Butylbenzene	10.4		"	10.0	104	79-132			5.86	30
n-Propylbenzene	10.3		"	10.0	103	78-133			6.63	30
o-Xylene	10.9		"	10.0	109	70-130			5.37	20
p- & m- Xylenes	18.2		"	20.0	91.2	70-130			5.75	20
p-Diethylbenzene	11.4		"	10.0	114	84-134			6.81	30
p-Ethyltoluene	10.7		"	10.0	107	88-129			7.06	30
p-Isopropyltoluene	10.4		"	10.0	104	81-136			6.02	30
sec-Butylbenzene	10.8		"	10.0	108	79-137			6.03	30
Styrene	10.8		"	10.0	108	70-130			6.21	20
tert-Amyl alcohol (TAA)	112		"	100	112	70-130			8.42	30
tert-Amyl methyl ether (TAME)	10.9		"	10.0	109	70-130			7.33	30
tert-Butyl alcohol (TBA)	50.1		"	50.0	100	25-162			10.7	30
tert-Butylbenzene	10.3		"	10.0	103	77-138			8.07	30
Tetrachloroethylene	8.22		"	10.0	82.2	70-130			7.05	20
Tetrahydrofuran	10.8		"	10.0	108	36-166			8.23	30
Toluene	10.3		"	10.0	103	70-130			6.50	20
trans-1,2-Dichloroethylene	10.4		"	10.0	104	70-130			6.85	20
trans-1,3-Dichloropropylene	10.3		"	10.0	103	70-130			4.15	20
trans-1,4-dichloro-2-butene	10.4		"	10.0	104	63-141			5.45	30
Trichloroethylene	9.97		"	10.0	99.7	70-130			7.71	20
Trichlorofluoromethane	10.5		"	10.0	105	40-160			2.21	20
Vinyl acetate	10.6		"	10.0	106	21-90	High Bias		9.40	30
Vinyl Chloride	10.3		"	10.0	103	70-130			2.15	20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.49</i>		<i>"</i>	<i>10.0</i>	<i>94.9</i>	<i>70-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.79</i>		<i>"</i>	<i>10.0</i>	<i>97.9</i>	<i>70-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.76</i>		<i>"</i>	<i>10.0</i>	<i>97.6</i>	<i>70-130</i>				



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 BI80094 - EPA 200.7											
Blank (BI80094-BLK1)											
Iron	ND	0.0222	mg/L								
Prepared: 09/05/2018 Analyzed: 09/06/2018											
LCS (BI80094-BS1)											
Iron	1.12		ug/mL	1.00		112	85-115				
Prepared: 09/05/2018 Analyzed: 09/06/2018											
Batch BI80258 - EPA 3015A											
Blank (BI80258-BLK1)											
Iron - Dissolved	0.0403	0.0222	mg/L								
Prepared & Analyzed: 09/07/2018											
LCS (BI80258-BS1)											
Iron - Dissolved	1.08		ug/mL	1.00		108	80-120				
Prepared & Analyzed: 09/07/2018											



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18H1387-01	WQ082818:840 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H1387-02	WQ082818:845 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

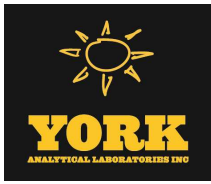
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QL-02	This LCS analyte is outside Laboratory Recovery limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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



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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



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

Field Chain-of-Custody Record

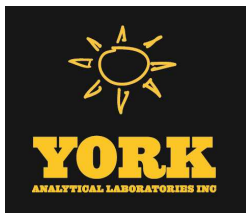
Page 1 of 1

York Project No. 18H1387

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.

YOUR INFORMATION		Report to:		Invoice To:		Your Project ID		Turn-Around Time		Report/Deliverable Type	
Company: WSP USA	<input checked="" type="checkbox"/> SAME	Name: [Signature]	Address: [Signature]	Company: [Signature]	E-mail: tunde.sandor@wsp.com	31401451.000 task	01.00	RUSH-Same Day	Summary Report	X, PDF	
Address: 4 Research Drive	Name: [Signature]	Company: [Signature]	Address: [Signature]	Company: [Signature]	E-mail: [Signature]	31401451.000 task	01.00	RUSH-Next Day	QA Report	X, PDF	
Suite 301, Shelton CT 06484	Name: [Signature]	Company: [Signature]	Address: [Signature]	Company: [Signature]	E-mail: [Signature]	31401451.000 task	01.00	RUSH-Two Day	CT RCP		
Phone: 203-929-8555	Name: [Signature]	Company: [Signature]	Address: [Signature]	Company: [Signature]	E-mail: [Signature]	31401451.000 task	01.00	RUSH-Three Day	CT RCP DQA/DUE Pkg		
Contact: Tunde Sandor	Name: [Signature]	Company: [Signature]	Address: [Signature]	Company: [Signature]	E-mail: [Signature]	31401451.000 task	01.00	RUSH-Four Day	NY ASP A Package		
E-mail: tunde.sandor@wsp.com	Name: [Signature]	Company: [Signature]	Address: [Signature]	Company: [Signature]	E-mail: [Signature]	31401451.000 task	01.00	Standard (5-7day)	NY ASP B Package	X, PDF	
<p>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.</p> <p>Samples Collected/Authorized By (Signature) <i>[Signature]</i></p> <p>Name (printed) <u>Evan Foster</u></p>											
<p>Analysis Requested (List above includes common analysis)</p> <p>VOCs 8260 full plus freon 113</p> <p>Fe by EPA 200.7; Fe dissolved by EPA 6010; VOCs 8260 full plus freon 113; TDS</p>											
<p>Matrix</p> <p>GW</p> <p>GW</p>											
<p>Sample Identification</p> <p>840 N/2-6 8/29/18 840</p> <p>845 N/2-10 8/29/18 845</p>											
<p>Comments:</p> <p>Preservation (check all applicable): <input checked="" type="checkbox"/> 4°C, <input checked="" type="checkbox"/> Frozen, <input checked="" type="checkbox"/> HCl, <input checked="" type="checkbox"/> MeOH, <input checked="" type="checkbox"/> Ascorbic Acid, <input checked="" type="checkbox"/> ZnAc, <input checked="" type="checkbox"/> HNO₃, <input checked="" type="checkbox"/> H₂SO₄, <input checked="" type="checkbox"/> Other</p> <p>Special Instructions: <input type="checkbox"/> Field Filtered, <input type="checkbox"/> Lab to Filter</p> <p>Temperature on Receipt: 1.1°C</p>											
<p>Container Description</p> <p>300a</p> <p>300a; 3plastic</p>											
<p>OTHER:</p> <p>YORK Regulatory Comp Excel compared to:</p>											

APPENDIX II
AUGUST AND SEPTEMBER 2018 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: 10/02/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18I1035

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 10/02/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18I1035

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 September 25, 2018 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18I1035-01	WQ092118:1300 FRW-1	Water	09/21/2018	09/25/2018
18I1035-02	WQ092118:1305 FRW-2	Water	09/21/2018	09/25/2018
18I1035-03	WQ092118:1310 FRW-3	Water	09/21/2018	09/25/2018
18I1035-04	WQ092118:1315 FRW-4	Water	09/21/2018	09/25/2018
18I1035-05	WQ092118:1350 NP1-1-2	Water	09/21/2018	09/25/2018

General Notes for York Project (SDG) No.: 18I1035

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 10/02/2018





Sample Information

Client Sample ID: WQ092118:1300 FRW-1

York Sample ID: 1811035-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
1811035	31401451.000 task 01.00	Water	September 21, 2018 1:00 pm	09/25/2018

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	10/01/2018 07:30	10/01/2018 14:07	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS



Sample Information

Client Sample ID: WQ092118:1300 FRW-1

York Sample ID: 18I1035-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I1035

31401451.000 task 01.00

Water

September 21, 2018 1:00 pm

09/25/2018

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
156-59-2	cis-1,2-Dichloroethylene	2.43		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS



Sample Information

Client Sample ID: WQ092118:1300 FRW-1

York Sample ID: 18I1035-01

<u>York Project (SDG) No.</u> 18I1035	<u>Client Project ID</u> 31401451.000 task 01.00	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 21, 2018 1:00 pm	<u>Date Received</u> 09/25/2018
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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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
127-18-4	Tetrachloroethylene	20.2		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
79-01-6	Trichloroethylene	1.25		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:07	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/01/2018 07:30	10/01/2018 14:07	RDS

Sample Information

Client Sample ID: WQ092118:1305 FRW-2

York Sample ID: 18I1035-02

<u>York Project (SDG) No.</u> 18I1035	<u>Client Project ID</u> 31401451.000 task 01.00	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 21, 2018 1:05 pm	<u>Date Received</u> 09/25/2018
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Sample Information

Client Sample ID: WQ092118:1305 FRW-2

York Sample ID: 18I1035-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I1035

31401451.000 task 01.00

Water

September 21, 2018 1:05 pm

09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows list various chemical compounds like 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, etc.



Sample Information

Client Sample ID: WQ092118:1305 FRW-2

York Sample ID: 18I1035-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I1035

31401451.000 task 01.00

Water

September 21, 2018 1:05 pm

09/25/2018

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
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
67-64-1	Acetone	2.06		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
156-59-2	cis-1,2-Dichloroethylene	14.5		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS



Sample Information

Client Sample ID: WQ092118:1305 FRW-2

York Sample ID: 18I1035-02

<u>York Project (SDG) No.</u> 18I1035	<u>Client Project ID</u> 31401451.000 task 01.00	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 21, 2018 1:05 pm	<u>Date Received</u> 09/25/2018
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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
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
127-18-4	Tetrachloroethylene	11.9		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
79-01-6	Trichloroethylene	1.83		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
75-01-4	Vinyl Chloride	0.730		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 14:36	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/01/2018 07:30	10/01/2018 14:36	RDS

Sample Information

Client Sample ID: WQ092118:1310 FRW-3

York Sample ID: 18I1035-03

<u>York Project (SDG) No.</u> 18I1035	<u>Client Project ID</u> 31401451.000 task 01.00	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 21, 2018 1:10 pm	<u>Date Received</u> 09/25/2018
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Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ092118:1310 FRW-3

York Sample ID: 18I1035-03

<u>York Project (SDG) No.</u> 18I1035	<u>Client Project ID</u> 31401451.000 task 01.00	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 21, 2018 1:10 pm	<u>Date Received</u> 09/25/2018
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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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	10/01/2018 07:30	10/01/2018 15:05	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS



Sample Information

Client Sample ID: WQ092118:1310 FRW-3

York Sample ID: 18I1035-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I1035

31401451.000 task 01.00

Water

September 21, 2018 1:10 pm

09/25/2018

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
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
67-64-1	Acetone	1.53		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
156-59-2	cis-1,2-Dichloroethylene	19.8		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
98-82-8	Isopropylbenzene	0.220		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 07:30	10/01/2018 15:05	RDS



Sample Information

Client Sample ID: WQ092118:1310 FRW-3

York Sample ID: 18I1035-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I1035

31401451.000 task 01.00

Water

September 21, 2018 1:10 pm

09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p- & m- Xylenes, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethylene, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropylene, Trichloroethylene, Trichlorofluoromethane, Vinyl Chloride, Xylenes, Total.

Sample Information

Client Sample ID: WQ092118:1315 FRW-4

York Sample ID: 18I1035-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I1035

31401451.000 task 01.00

Water

September 21, 2018 1:15 pm

09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ092118:1315 FRW-4

York Sample ID: 18I1035-04

<u>York Project (SDG) No.</u> 18I1035	<u>Client Project ID</u> 31401451.000 task 01.00	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 21, 2018 1:15 pm	<u>Date Received</u> 09/25/2018
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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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/27/2018 07:30	09/27/2018 18:58	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS



Sample Information

Client Sample ID: WQ092118:1315 FRW-4

York Sample ID: 18I1035-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I1035

31401451.000 task 01.00

Water

September 21, 2018 1:15 pm

09/25/2018

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
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
156-59-2	cis-1,2-Dichloroethylene	1.38		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 18:58	RDS



Sample Information

Client Sample ID: WQ092118:1315 FRW-4

York Sample ID: 18I1035-04

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18I1035, 31401451.000 task 01.00, Water, September 21, 2018 1:15 pm, 09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Main data table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p- & m- Xylenes, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethylene, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropylene, Trichloroethylene, Trichlorofluoromethane, Vinyl Chloride, Xylenes, Total.

Sample Information

Client Sample ID: WQ092118:1350 NP1-1-2

York Sample ID: 18I1035-05

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18I1035, 31401451.000 task 01.00, Water, September 21, 2018 1:50 pm, 09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ092118:1350 NP1-1-2

York Sample ID: 18I1035-05

<u>York Project (SDG) No.</u> 18I1035	<u>Client Project ID</u> 31401451.000 task 01.00	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 21, 2018 1:50 pm	<u>Date Received</u> 09/25/2018
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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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/27/2018 07:30	09/27/2018 19:27	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS



Sample Information

Client Sample ID: WQ092118:1350 NP1-1-2

York Sample ID: 18I1035-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I1035

31401451.000 task 01.00

Water

September 21, 2018 1:50 pm

09/25/2018

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
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS



Sample Information

Client Sample ID: WQ092118:1350 NP1-1-2

York Sample ID: 18I1035-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I1035

31401451.000 task 01.00

Water

September 21, 2018 1:50 pm

09/25/2018

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
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
127-18-4	Tetrachloroethylene	0.370		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
79-01-6	Trichloroethylene	0.260		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 19:27	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/27/2018 07:30	09/27/2018 19:27	RDS



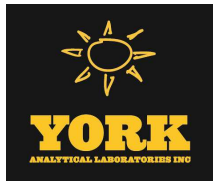
Analytical Batch Summary

Batch ID: BI81359 **Preparation Method:** EPA 5030B **Prepared By:** TAB

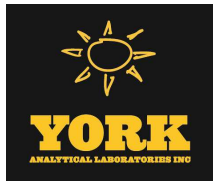
YORK Sample ID	Client Sample ID	Preparation Date
18I1035-04	WQ092118:1315 FRW-4	09/27/18
18I1035-05	WQ092118:1350 NP1-1-2	09/27/18

Batch ID: BJ80009 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18I1035-01	WQ092118:1300 FRW-1	10/01/18
18I1035-02	WQ092118:1305 FRW-2	10/01/18
18I1035-03	WQ092118:1310 FRW-3	10/01/18



Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18I1035-01	WQ092118:1300 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18I1035-02	WQ092118:1305 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18I1035-03	WQ092118:1310 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18I1035-04	WQ092118:1315 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18I1035-05	WQ092118:1350 NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

Definitions and Other Explanations

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

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

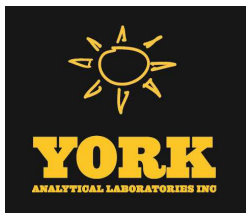
If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



Technical Report

prepared for:

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

Report Date: 09/06/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18H1393

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 09/06/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18H1393

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 August 30, 2018 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18H1393-01	WQ082818:900 FRW-1	Water	08/28/2018	08/30/2018
18H1393-02	WQ082818:905 FRW-2	Water	08/28/2018	08/30/2018
18H1393-03	WQ082818:910 FRW-3	Water	08/28/2018	08/30/2018
18H1393-04	WQ082818:915 FRW-4	Water	08/28/2018	08/30/2018
18H1393-05	WQ082818:850 NP1-1-2	Water	08/28/2018	08/30/2018

General Notes for York Project (SDG) No.: 18H1393

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 09/06/2018





Sample Information

Client Sample ID: WQ082818:900 FRW-1

York Sample ID: 18H1393-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 9:00 am	08/30/2018

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 15:59	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS



Sample Information

Client Sample ID: WQ082818:900 FRW-1

York Sample ID: 18H1393-01

<u>York Project (SDG) No.</u> 18H1393	<u>Client Project ID</u> 31401451.000 task 01.00	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 28, 2018 9:00 am	<u>Date Received</u> 08/30/2018
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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
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
78-93-3	2-Butanone	2.10		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
67-64-1	Acetone	11.1	ICV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
156-59-2	cis-1,2-Dichloroethylene	9.05	CCV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS



Sample Information

Client Sample ID: WQ082818:900 FRW-1

York Sample ID: 18H1393-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1393

31401451.000 task 01.00

Water

August 28, 2018 9:00 am

08/30/2018

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
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 15:59	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
74-88-4	* Iodomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
80-62-6	Methyl Methacrylate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 15:59	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59	RDS
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59	RDS



Sample Information

Client Sample ID: WQ082818:900 FRW-1

York Sample ID: 18H1393-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1393

31401451.000 task 01.00

Water

August 28, 2018 9:00 am

08/30/2018

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
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.00	8.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
75-65-0	tert-Butyl alcohol (TBA)	3.69	CCV-E	ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
127-18-4	Tetrachloroethylene	7.26		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
109-99-9	* Tetrahydrofuran	278		ug/L	2.00	5.00	10	EPA 8260C Certifications:	09/04/2018 07:30	09/05/2018 18:01	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
79-01-6	Trichloroethylene	4.16		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
75-01-4	Vinyl Chloride	0.220		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 15:59	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 15:59	RDS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	117 %			70-130						
2037-26-5	Surrogate: Toluene-d8	91.1 %			70-130						
460-00-4	Surrogate: p-Bromofluorobenzene	88.6 %			70-130						



Sample Information

Client Sample ID: WQ082818:905 FRW-2

York Sample ID: 18H1393-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1393

31401451.000 task 01.00

Water

August 28, 2018 9:03 am

08/30/2018

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 16:28	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS



Sample Information

Client Sample ID: WQ082818:905 FRW-2

York Sample ID: 18H1393-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1393

31401451.000 task 01.00

Water

August 28, 2018 9:03 am

08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
78-93-3	2-Butanone	77.7		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
108-10-1	4-Methyl-2-pentanone	0.270		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
156-59-2	cis-1,2-Dichloroethylene	29.0	CCV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS



Sample Information

Client Sample ID: WQ082818:905 FRW-2

York Sample ID: 18H1393-02

York Project (SDG) No.

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31401451.000 task 01.00

Water

August 28, 2018 9:03 am

08/30/2018

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
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 16:28	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
74-88-4	* Iodomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
79-20-9	Methyl acetate	1.11		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
80-62-6	Methyl Methacrylate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 16:28	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28	RDS
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS



Sample Information

Client Sample ID: WQ082818:905 FRW-2

York Sample ID: 18H1393-02

York Project (SDG) No.

Client Project ID

Matrix

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18H1393

31401451.000 task 01.00

Water

August 28, 2018 9:03 am

08/30/2018

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
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
100-42-5	Styrene	0.240		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.00	8.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
109-99-9	* Tetrahydrofuran	204		ug/L	1.00	2.50	5	EPA 8260C Certifications:	09/04/2018 07:30	09/05/2018 18:33	SS
108-88-3	Toluene	0.510		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
79-01-6	Trichloroethylene	0.300		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
75-01-4	Vinyl Chloride	2.48		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:28	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 16:28	RDS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	121 %			70-130						
2037-26-5	Surrogate: Toluene-d8	90.8 %			70-130						
460-00-4	Surrogate: p-Bromofluorobenzene	88.6 %			70-130						



Sample Information

Client Sample ID: WQ082818:910 FRW-3

York Sample ID: 18H1393-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1393

31401451.000 task 01.00

Water

August 28, 2018 9:10 am

08/30/2018

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 16:57	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS



Sample Information

Client Sample ID: WQ082818:910 FRW-3

York Sample ID: 18H1393-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1393

31401451.000 task 01.00

Water

August 28, 2018 9:10 am

08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
78-93-3	2-Butanone	3.20		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
67-64-1	Acetone	6.77	ICV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
156-59-2	cis-1,2-Dichloroethylene	20.3	CCV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS



Sample Information

Client Sample ID: WQ082818:910 FRW-3

York Sample ID: 18H1393-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1393

31401451.000 task 01.00

Water

August 28, 2018 9:10 am

08/30/2018

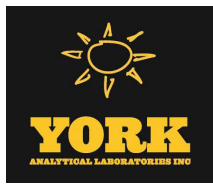
Volatile Organics, 8260 List - Low Level

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
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 16:57	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
74-88-4	* Iodomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
80-62-6	Methyl Methacrylate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 16:57	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57	RDS
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS



Sample Information

Client Sample ID: WQ082818:910 FRW-3

York Sample ID: 18H1393-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1393

31401451.000 task 01.00

Water

August 28, 2018 9:10 am

08/30/2018

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
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.00	8.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
127-18-4	Tetrachloroethylene	6.16		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
109-99-9	* Tetrahydrofuran	10.7		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
79-01-6	Trichloroethylene	0.990		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
75-01-4	Vinyl Chloride	0.840		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 16:57	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 16:57	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	121 %	70-130								
2037-26-5	Surrogate: Toluene-d8	90.1 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	86.6 %	70-130								



Sample Information

Client Sample ID: WQ082818:915 FRW-4

York Sample ID: 18H1393-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1393

31401451.000 task 01.00

Water

August 28, 2018 9:15 am

08/30/2018

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 17:26	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS



Sample Information

Client Sample ID: WQ082818:915 FRW-4

York Sample ID: 18H1393-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1393

31401451.000 task 01.00

Water

August 28, 2018 9:15 am

08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
78-93-3	2-Butanone	1.80		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
67-64-1	Acetone	10.3	ICV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
156-59-2	cis-1,2-Dichloroethylene	4.95	CCV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS



Sample Information

Client Sample ID: WQ082818:915 FRW-4

York Sample ID: 18H1393-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1393

31401451.000 task 01.00

Water

August 28, 2018 9:15 am

08/30/2018

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
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 17:26	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
74-88-4	* Iodomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
80-62-6	Methyl Methacrylate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 17:26	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26	RDS
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS



Sample Information

Client Sample ID: WQ082818:915 FRW-4

York Sample ID: 18H1393-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1393

31401451.000 task 01.00

Water

August 28, 2018 9:15 am

08/30/2018

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
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.00	8.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
109-99-9	* Tetrahydrofuran	308		ug/L	2.00	5.00	10	EPA 8260C Certifications:	09/04/2018 07:30	09/05/2018 19:05	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
79-01-6	Trichloroethylene	0.450		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:26	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 17:26	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	118 %			70-130						
2037-26-5	Surrogate: Toluene-d8	91.0 %			70-130						
460-00-4	Surrogate: p-Bromofluorobenzene	88.4 %			70-130						



Sample Information

Client Sample ID: WQ082818:850 NP1-1-2

York Sample ID: 18H1393-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1393

31401451.000 task 01.00

Water

August 28, 2018 8:50 am

08/30/2018

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 17:55	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS



Sample Information

Client Sample ID: WQ082818:850 NP1-1-2

York Sample ID: 18H1393-05

<u>York Project (SDG) No.</u> 18H1393	<u>Client Project ID</u> 31401451.000 task 01.00	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 28, 2018 8:50 am	<u>Date Received</u> 08/30/2018
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Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
67-64-1	Acetone	1.88	ICV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS



Sample Information

Client Sample ID: WQ082818:850 NP1-1-2

York Sample ID: 18H1393-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1393

31401451.000 task 01.00

Water

August 28, 2018 8:50 am

08/30/2018

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
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 17:55	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
74-88-4	* Iodomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
80-62-6	Methyl Methacrylate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 17:55	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS



Sample Information

Client Sample ID: WQ082818:850 NP1-1-2

York Sample ID: 18H1393-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1393

31401451.000 task 01.00

Water

August 28, 2018 8:50 am

08/30/2018

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
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.00	8.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
109-99-9	* Tetrahydrofuran	4.90		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 17:55	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 17:55	RDS

Surrogate Recoveries	Result	Acceptance Range
17060-07-0 <i>Surrogate: 1,2-Dichloroethane-d4</i>	109 %	70-130
2037-26-5 <i>Surrogate: Toluene-d8</i>	90.9 %	70-130
460-00-4 <i>Surrogate: p-Bromofluorobenzene</i>	91.6 %	70-130



Analytical Batch Summary

Batch ID: BI80009

Preparation Method: EPA 5030B

Prepared By: RDS

YORK Sample ID	Client Sample ID	Preparation Date
18H1393-01	WQ082818:900 FRW-1	09/04/18
18H1393-02	WQ082818:905 FRW-2	09/04/18
18H1393-03	WQ082818:910 FRW-3	09/04/18
18H1393-04	WQ082818:915 FRW-4	09/04/18
18H1393-05	WQ082818:850 NP1-1-2	09/04/18
BI80009-BLK1	Blank	09/04/18
BI80009-BS1	LCS	09/04/18
BI80009-BSD1	LCS Dup	09/04/18

Batch ID: BI80068

Preparation Method: EPA 5030B

Prepared By: RDS

YORK Sample ID	Client Sample ID	Preparation Date
18H1393-01RE1	WQ082818:900 FRW-1	09/04/18
18H1393-02RE1	WQ082818:905 FRW-2	09/04/18
18H1393-04RE1	WQ082818:915 FRW-4	09/04/18
BI80068-BLK1	Blank	09/05/18
BI80068-BS1	LCS	09/05/18
BI80068-BSD1	LCS Dup	09/05/18



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80009 - EPA 5030B

Blank (BI80009-BLK1)

Prepared & Analyzed: 09/04/2018

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	"								
1,2,4,5-Tetramethylbenzene	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	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	2.00	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	2.00	"								
Carbon disulfide	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	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80009 - EPA 5030B

Blank (BI80009-BLK1)

Prepared & Analyzed: 09/04/2018

Diisopropyl ether (DIPE)	ND	0.800	ug/L										
Ethyl Benzene	ND	0.500	"										
Ethyl tert-butyl ether (ETBE)	ND	0.800	"										
Hexachlorobutadiene	ND	0.500	"										
Iodomethane	ND	0.500	"										
Isopropylbenzene	ND	0.500	"										
Methyl acetate	ND	0.500	"										
Methyl Methacrylate	ND	0.500	"										
Methyl tert-butyl ether (MTBE)	ND	0.500	"										
Methylcyclohexane	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-Diethylbenzene	ND	0.500	"										
p-Ethyltoluene	ND	0.500	"										
p-Isopropyltoluene	ND	0.500	"										
sec-Butylbenzene	ND	0.500	"										
Styrene	ND	0.500	"										
tert-Amyl alcohol (TAA)	ND	8.00	"										
tert-Amyl methyl ether (TAME)	ND	0.800	"										
tert-Butyl alcohol (TBA)	ND	1.00	"										
tert-Butylbenzene	ND	0.500	"										
Tetrachloroethylene	ND	0.500	"										
Tetrahydrofuran	ND	0.500	"										
Toluene	ND	0.500	"										
trans-1,2-Dichloroethylene	ND	0.500	"										
trans-1,3-Dichloropropylene	ND	0.500	"										
trans-1,4-dichloro-2-butene	ND	0.500	"										
Trichloroethylene	ND	0.500	"										
Trichlorofluoromethane	ND	0.500	"										
Vinyl acetate	ND	0.500	"										
Vinyl Chloride	ND	0.500	"										
Xylenes, Total	ND	1.50	"										
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.8</i>		<i>"</i>	<i>10.0</i>		<i>108</i>		<i>70-130</i>					
<i>Surrogate: Toluene-d8</i>	<i>9.16</i>		<i>"</i>	<i>10.0</i>		<i>91.6</i>		<i>70-130</i>					
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.34</i>		<i>"</i>	<i>10.0</i>		<i>93.4</i>		<i>70-130</i>					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80009 - EPA 5030B

LCS (BI80009-BS1)

Prepared & Analyzed: 09/04/2018

1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126				30
1,1,1-Trichloroethane	11.4		"	10.0		114	70-130				20
1,1,2,2-Tetrachloroethane	9.38		"	10.0		93.8	70-130				20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14.7		"	10.0		147	70-130	High Bias			20
1,1,2-Trichloroethane	9.32		"	10.0		93.2	70-130				20
1,1-Dichloroethane	11.6		"	10.0		116	70-130				20
1,1-Dichloroethylene	13.9		"	10.0		139	70-130	High Bias			20
1,1-Dichloropropylene	11.6		"	10.0		116	83-133				30
1,2,3-Trichlorobenzene	8.28		"	10.0		82.8	70-130				20
1,2,3-Trichloropropane	9.28		"	10.0		92.8	77-128				30
1,2,4,5-Tetramethylbenzene	10.3		"	10.0		103	85-140				30
1,2,4-Trichlorobenzene	9.00		"	10.0		90.0	70-130				20
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132				20
1,2-Dibromo-3-chloropropane	7.94		"	10.0		79.4	40-160				20
1,2-Dibromoethane	9.54		"	10.0		95.4	70-130				20
1,2-Dichlorobenzene	9.90		"	10.0		99.0	70-130				20
1,2-Dichloroethane	10.5		"	10.0		105	70-130				20
1,2-Dichloropropane	9.88		"	10.0		98.8	70-130				20
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131				30
1,3-Dichlorobenzene	10.6		"	10.0		106	70-130				20
1,3-Dichloropropane	9.42		"	10.0		94.2	81-125				30
1,4-Dichlorobenzene	9.78		"	10.0		97.8	70-130				20
1,4-Dioxane	229		"	210		109	40-160				20
2,2-Dichloropropane	11.0		"	10.0		110	56-150				30
2-Butanone	9.07		"	10.0		90.7	40-160				20
2-Chlorotoluene	10.7		"	10.0		107	79-130				30
2-Hexanone	7.69		"	10.0		76.9	40-160				20
4-Chlorotoluene	10.2		"	10.0		102	79-128				30
4-Methyl-2-pentanone	8.19		"	10.0		81.9	40-160				20
Acetone	8.57		"	10.0		85.7	40-160				20
Acrolein	7.30		"	10.0		73.0	10-153				30
Acrylonitrile	9.75		"	10.0		97.5	51-150				30
Benzene	11.8		"	10.0		118	70-130				20
Bromobenzene	9.60		"	10.0		96.0	78-129				30
Bromochloromethane	10.9		"	10.0		109	70-130				20
Bromodichloromethane	9.55		"	10.0		95.5	70-130				20
Bromoform	9.27		"	10.0		92.7	70-130				20
Bromomethane	11.3		"	10.0		113	40-160				20
Carbon disulfide	13.2		"	10.0		132	40-160				20
Carbon tetrachloride	11.5		"	10.0		115	70-130				20
Chlorobenzene	10.8		"	10.0		108	70-130				20
Chloroethane	11.7		"	10.0		117	40-160				20
Chloroform	11.4		"	10.0		114	70-130				20
Chloromethane	11.4		"	10.0		114	40-160				20
cis-1,2-Dichloroethylene	11.4		"	10.0		114	70-130				20
cis-1,3-Dichloropropylene	9.62		"	10.0		96.2	70-130				20
Cyclohexane	11.6		"	10.0		116	70-130				20
Dibromochloromethane	9.78		"	10.0		97.8	70-130				20
Dibromomethane	9.31		"	10.0		93.1	72-134				30
Dichlorodifluoromethane	13.2		"	10.0		132	40-160				20
Diisopropyl ether (DIPE)	10.8		"	10.0		108	70-130				30



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

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

Batch BI80009 - EPA 5030B

LCS (BI80009-BS1)

Prepared & Analyzed: 09/04/2018

Ethyl Benzene	11.0		ug/L	10.0		110	70-130				20
Ethyl tert-butyl ether (ETBE)	10.2		"	10.0		102	70-130				30
Hexachlorobutadiene	11.4		"	10.0		114	67-146				30
Iodomethane	12.4		"	10.0		124	70-130				20
Isopropylbenzene	10.5		"	10.0		105	70-130				20
Methyl acetate	9.56		"	10.0		95.6	70-130				20
Methyl Methacrylate	8.44		"	10.0		84.4	72-132				30
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	70-130				20
Methylcyclohexane	10.3		"	10.0		103	70-130				20
Methylene chloride	11.4		"	10.0		114	70-130				20
Naphthalene	8.29		"	10.0		82.9	70-147				30
n-Butylbenzene	10.7		"	10.0		107	79-132				30
n-Propylbenzene	10.8		"	10.0		108	78-133				30
o-Xylene	10.7		"	10.0		107	70-130				20
p- & m- Xylenes	22.5		"	20.0		112	70-130				20
p-Diethylbenzene	12.0		"	10.0		120	84-134				30
p-Ethyltoluene	11.5		"	10.0		115	88-129				30
p-Isopropyltoluene	11.3		"	10.0		113	81-136				30
sec-Butylbenzene	11.4		"	10.0		114	79-137				30
Styrene	10.3		"	10.0		103	70-130				20
tert-Amyl alcohol (TAA)	93.7		"	100		93.7	70-130				30
tert-Amyl methyl ether (TAME)	10.2		"	10.0		102	70-130				30
tert-Butyl alcohol (TBA)	47.7		"	50.0		95.3	25-162				30
tert-Butylbenzene	10.6		"	10.0		106	77-138				30
Tetrachloroethylene	9.88		"	10.0		98.8	70-130				20
Tetrahydrofuran	9.14		"	10.0		91.4	36-166				30
Toluene	10.7		"	10.0		107	70-130				20
trans-1,2-Dichloroethylene	11.4		"	10.0		114	70-130				20
trans-1,3-Dichloropropylene	9.00		"	10.0		90.0	70-130				20
trans-1,4-dichloro-2-butene	9.34		"	10.0		93.4	63-141				30
Trichloroethylene	10.4		"	10.0		104	70-130				20
Trichlorofluoromethane	11.4		"	10.0		114	40-160				20
Vinyl acetate	11.0		"	10.0		110	21-90	High Bias			30
Vinyl Chloride	12.2		"	10.0		122	70-130				20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.68</i>		<i>"</i>	<i>10.0</i>		<i>96.8</i>	<i>70-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.48</i>		<i>"</i>	<i>10.0</i>		<i>94.8</i>	<i>70-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.59</i>		<i>"</i>	<i>10.0</i>		<i>95.9</i>	<i>70-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80009 - EPA 5030B											
LCS Dup (BI80009-BS1)											
Prepared & Analyzed: 09/04/2018											
1,1,1,2-Tetrachloroethane	11.3		ug/L	10.0		113	82-126		5.44	30	
1,1,1-Trichloroethane	11.5		"	10.0		115	70-130		1.05	20	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	70-130		11.7	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.1		"	10.0		131	70-130	High Bias	11.2	20	
1,1,2-Trichloroethane	10.5		"	10.0		105	70-130		12.0	20	
1,1-Dichloroethane	12.0		"	10.0		120	70-130		2.63	20	
1,1-Dichloroethylene	11.0		"	10.0		110	70-130		23.2	20	Non-dir.
1,1-Dichloropropylene	11.7		"	10.0		117	83-133		0.772	30	
1,2,3-Trichlorobenzene	9.21		"	10.0		92.1	70-130		10.6	20	
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128		10.7	30	
1,2,4,5-Tetramethylbenzene	10.4		"	10.0		104	85-140		0.580	30	
1,2,4-Trichlorobenzene	9.62		"	10.0		96.2	70-130		6.66	20	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132		3.15	20	
1,2-Dibromo-3-chloropropane	9.19		"	10.0		91.9	40-160		14.6	20	
1,2-Dibromoethane	10.8		"	10.0		108	70-130		12.7	20	
1,2-Dichlorobenzene	10.2		"	10.0		102	70-130		3.47	20	
1,2-Dichloroethane	11.9		"	10.0		119	70-130		12.4	20	
1,2-Dichloropropane	10.3		"	10.0		103	70-130		3.87	20	
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131		4.83	30	
1,3-Dichlorobenzene	10.6		"	10.0		106	70-130		0.283	20	
1,3-Dichloropropane	10.5		"	10.0		105	81-125		11.1	30	
1,4-Dichlorobenzene	9.83		"	10.0		98.3	70-130		0.510	20	
1,4-Dioxane	514		"	210		245	40-160	High Bias	76.8	20	Non-dir.
2,2-Dichloropropane	11.0		"	10.0		110	56-150		0.545	30	
2-Butanone	11.7		"	10.0		117	40-160		25.3	20	Non-dir.
2-Chlorotoluene	10.3		"	10.0		103	79-130		3.62	30	
2-Hexanone	10.1		"	10.0		101	40-160		27.3	20	Non-dir.
4-Chlorotoluene	9.92		"	10.0		99.2	79-128		2.49	30	
4-Methyl-2-pentanone	10.2		"	10.0		102	40-160		22.0	20	Non-dir.
Acetone	11.4		"	10.0		114	40-160		28.1	20	Non-dir.
Acrolein	7.23		"	10.0		72.3	10-153		0.964	30	
Acrylonitrile	11.9		"	10.0		119	51-150		20.1	30	
Benzene	12.1		"	10.0		121	70-130		2.51	20	
Bromobenzene	9.81		"	10.0		98.1	78-129		2.16	30	
Bromochloromethane	12.0		"	10.0		120	70-130		9.49	20	
Bromodichloromethane	10.1		"	10.0		101	70-130		5.40	20	
Bromoform	10.8		"	10.0		108	70-130		15.2	20	
Bromomethane	10.6		"	10.0		106	40-160		6.75	20	
Carbon disulfide	13.1		"	10.0		131	40-160		0.986	20	
Carbon tetrachloride	11.7		"	10.0		117	70-130		1.64	20	
Chlorobenzene	11.1		"	10.0		111	70-130		2.56	20	
Chloroethane	11.4		"	10.0		114	40-160		2.69	20	
Chloroform	11.9		"	10.0		119	70-130		3.78	20	
Chloromethane	11.6		"	10.0		116	40-160		1.22	20	
cis-1,2-Dichloroethylene	11.7		"	10.0		117	70-130		2.85	20	
cis-1,3-Dichloropropylene	10.3		"	10.0		103	70-130		6.83	20	
Cyclohexane	12.2		"	10.0		122	70-130		4.96	20	
Dibromochloromethane	11.0		"	10.0		110	70-130		11.8	20	
Dibromomethane	10.5		"	10.0		105	72-134		11.7	30	
Dichlorodifluoromethane	13.8		"	10.0		138	40-160		4.73	20	
Diisopropyl ether (DIPE)	12.0		"	10.0		120	70-130		10.4	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
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Batch BI80009 - EPA 5030B

LCS Dup (BI80009-BSD1)

Prepared & Analyzed: 09/04/2018

Ethyl Benzene	11.0		ug/L	10.0		110	70-130		0.0911	20	
Ethyl tert-butyl ether (ETBE)	11.8		"	10.0		118	70-130		14.6	30	
Hexachlorobutadiene	10.8		"	10.0		108	67-146		5.67	30	
Iodomethane	12.5		"	10.0		125	70-130		0.482	20	
Isopropylbenzene	9.94		"	10.0		99.4	70-130		5.38	20	
Methyl acetate	11.9		"	10.0		119	70-130		22.1	20	Non-dir.
Methyl Methacrylate	10.1		"	10.0		101	72-132		17.6	30	
Methyl tert-butyl ether (MTBE)	12.2		"	10.0		122	70-130		19.0	20	
Methylcyclohexane	10.6		"	10.0		106	70-130		2.30	20	
Methylene chloride	12.1		"	10.0		121	70-130		5.62	20	
Naphthalene	9.47		"	10.0		94.7	70-147		13.3	30	
n-Butylbenzene	9.88		"	10.0		98.8	79-132		7.59	30	
n-Propylbenzene	10.2		"	10.0		102	78-133		5.83	30	
o-Xylene	10.9		"	10.0		109	70-130		1.85	20	
p- & m- Xylenes	22.4		"	20.0		112	70-130		0.491	20	
p-Diethylbenzene	11.5		"	10.0		115	84-134		4.18	30	
p-Ethyltoluene	11.0		"	10.0		110	88-129		4.55	30	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		4.89	30	
sec-Butylbenzene	10.7		"	10.0		107	79-137		6.06	30	
Styrene	10.7		"	10.0		107	70-130		4.29	20	
tert-Amyl alcohol (TAA)	148		"	100		148	70-130	High Bias	45.0	30	Non-dir.
tert-Amyl methyl ether (TAME)	12.4		"	10.0		124	70-130		19.1	30	
tert-Butyl alcohol (TBA)	83.7		"	50.0		167	25-162	High Bias	54.8	30	Non-dir.
tert-Butylbenzene	10.1		"	10.0		101	77-138		5.30	30	
Tetrachloroethylene	9.86		"	10.0		98.6	70-130		0.203	20	
Tetrahydrofuran	11.9		"	10.0		119	36-166		26.0	30	
Toluene	10.7		"	10.0		107	70-130		0.0938	20	
trans-1,2-Dichloroethylene	11.4		"	10.0		114	70-130		0.0878	20	
trans-1,3-Dichloropropylene	10.0		"	10.0		100	70-130		10.5	20	
trans-1,4-dichloro-2-butene	9.46		"	10.0		94.6	63-141		1.28	30	
Trichloroethylene	10.3		"	10.0		103	70-130		0.484	20	
Trichlorofluoromethane	11.7		"	10.0		117	40-160		2.94	20	
Vinyl acetate	12.3		"	10.0		123	21-90	High Bias	11.8	30	
Vinyl Chloride	12.2		"	10.0		122	70-130		0.738	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</i>	<i>70-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.29</i>		<i>"</i>	<i>10.0</i>		<i>92.9</i>	<i>70-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.34</i>		<i>"</i>	<i>10.0</i>		<i>93.4</i>	<i>70-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80068 - EPA 5030B

Blank (BI80068-BLK1)

Prepared & Analyzed: 09/05/2018

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	"								
1,2,4,5-Tetramethylbenzene	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	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
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 disulfide	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	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Diisopropyl ether (DIPE)	ND	0.800	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80068 - EPA 5030B

Blank (BI80068-BLK1)

Prepared & Analyzed: 09/05/2018

Ethyl Benzene	ND	0.500	ug/L								
Ethyl tert-butyl ether (ETBE)	ND	0.800	"								
Hexachlorobutadiene	ND	0.500	"								
Iodomethane	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl Methacrylate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	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-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Amyl alcohol (TAA)	ND	8.00	"								
tert-Amyl methyl ether (TAME)	ND	0.800	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Tetrahydrofuran	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
trans-1,4-dichloro-2-butene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: 1,2-Dichloroethane-d4	9.89		"	10.0		98.9	70-130				
Surrogate: Toluene-d8	9.86		"	10.0		98.6	70-130				
Surrogate: p-Bromofluorobenzene	10.6		"	10.0		106	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 BI80068 - EPA 5030B											
LCS (BI80068-BS1)											
Prepared & Analyzed: 09/05/2018											
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126			30	
1,1,1-Trichloroethane	9.29		"	10.0		92.9	70-130			20	
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	70-130			20	
1,1,2-Trichloroethane	9.67		"	10.0		96.7	70-130			20	
1,1-Dichloroethane	9.70		"	10.0		97.0	70-130			20	
1,1-Dichloroethylene	9.60		"	10.0		96.0	70-130			20	
1,1-Dichloropropylene	9.68		"	10.0		96.8	83-133			30	
1,2,3-Trichlorobenzene	10.2		"	10.0		102	70-130			20	
1,2,3-Trichloropropane	10.0		"	10.0		100	77-128			30	
1,2,4,5-Tetramethylbenzene	10.2		"	10.0		102	85-140			30	
1,2,4-Trichlorobenzene	9.91		"	10.0		99.1	70-130			20	
1,2,4-Trimethylbenzene	9.75		"	10.0		97.5	82-132			20	
1,2-Dibromo-3-chloropropane	10.0		"	10.0		100	40-160			20	
1,2-Dibromoethane	10.1		"	10.0		101	70-130			20	
1,2-Dichlorobenzene	9.74		"	10.0		97.4	70-130			20	
1,2-Dichloroethane	9.79		"	10.0		97.9	70-130			20	
1,2-Dichloropropane	9.35		"	10.0		93.5	70-130			20	
1,3,5-Trimethylbenzene	9.66		"	10.0		96.6	80-131			30	
1,3-Dichlorobenzene	9.77		"	10.0		97.7	70-130			20	
1,3-Dichloropropane	9.90		"	10.0		99.0	81-125			30	
1,4-Dichlorobenzene	9.88		"	10.0		98.8	70-130			20	
1,4-Dioxane	222		"	210		106	40-160			20	
2,2-Dichloropropane	9.69		"	10.0		96.9	56-150			30	
2-Butanone	9.78		"	10.0		97.8	40-160			20	
2-Chlorotoluene	9.68		"	10.0		96.8	79-130			30	
2-Hexanone	11.0		"	10.0		110	40-160			20	
4-Chlorotoluene	9.75		"	10.0		97.5	79-128			30	
4-Methyl-2-pentanone	9.94		"	10.0		99.4	40-160			20	
Acetone	9.01		"	10.0		90.1	40-160			20	
Acrolein	9.89		"	10.0		98.9	10-153			30	
Acrylonitrile	10.3		"	10.0		103	51-150			30	
Benzene	9.79		"	10.0		97.9	70-130			20	
Bromobenzene	9.73		"	10.0		97.3	78-129			30	
Bromochloromethane	10.1		"	10.0		101	70-130			20	
Bromodichloromethane	9.43		"	10.0		94.3	70-130			20	
Bromoform	10.2		"	10.0		102	70-130			20	
Bromomethane	9.44		"	10.0		94.4	40-160			20	
Carbon disulfide	11.0		"	10.0		110	40-160			20	
Carbon tetrachloride	9.47		"	10.0		94.7	70-130			20	
Chlorobenzene	9.90		"	10.0		99.0	70-130			20	
Chloroethane	10.5		"	10.0		105	40-160			20	
Chloroform	9.60		"	10.0		96.0	70-130			20	
Chloromethane	9.87		"	10.0		98.7	40-160			20	
cis-1,2-Dichloroethylene	9.71		"	10.0		97.1	70-130			20	
cis-1,3-Dichloropropylene	9.98		"	10.0		99.8	70-130			20	
Cyclohexane	9.87		"	10.0		98.7	70-130			20	
Dibromochloromethane	10.3		"	10.0		103	70-130			20	
Dibromomethane	9.53		"	10.0		95.3	72-134			30	
Dichlorodifluoromethane	12.1		"	10.0		121	40-160			20	
Diisopropyl ether (DIPE)	10.0		"	10.0		100	70-130			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
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Batch BI80068 - EPA 5030B

LCS (BI80068-BS1)

Prepared & Analyzed: 09/05/2018

Ethyl Benzene	10.1		ug/L	10.0		101	70-130				20
Ethyl tert-butyl ether (ETBE)	9.92		"	10.0		99.2	70-130				30
Hexachlorobutadiene	10.1		"	10.0		101	67-146				30
Iodomethane	2.40		"	10.0		24.0	70-130	Low Bias			20
Isopropylbenzene	9.29		"	10.0		92.9	70-130				20
Methyl acetate	10.6		"	10.0		106	70-130				20
Methyl Methacrylate	9.47		"	10.0		94.7	72-132				30
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	70-130				20
Methylcyclohexane	9.44		"	10.0		94.4	70-130				20
Methylene chloride	10.8		"	10.0		108	70-130				20
Naphthalene	10.3		"	10.0		103	70-147				30
n-Butylbenzene	9.78		"	10.0		97.8	79-132				30
n-Propylbenzene	9.62		"	10.0		96.2	78-133				30
o-Xylene	10.3		"	10.0		103	70-130				20
p- & m- Xylenes	17.2		"	20.0		86.1	70-130				20
p-Diethylbenzene	10.6		"	10.0		106	84-134				30
p-Ethyltoluene	9.98		"	10.0		99.8	88-129				30
p-Isopropyltoluene	9.82		"	10.0		98.2	81-136				30
sec-Butylbenzene	10.1		"	10.0		101	79-137				30
Styrene	10.2		"	10.0		102	70-130				20
tert-Amyl alcohol (TAA)	103		"	100		103	70-130				30
tert-Amyl methyl ether (TAME)	10.1		"	10.0		101	70-130				30
tert-Butyl alcohol (TBA)	45.0		"	50.0		90.0	25-162				30
tert-Butylbenzene	9.51		"	10.0		95.1	77-138				30
Tetrachloroethylene	7.66		"	10.0		76.6	70-130				20
Tetrahydrofuran	9.90		"	10.0		99.0	36-166				30
Toluene	9.68		"	10.0		96.8	70-130				20
trans-1,2-Dichloroethylene	9.73		"	10.0		97.3	70-130				20
trans-1,3-Dichloropropylene	9.90		"	10.0		99.0	70-130				20
trans-1,4-dichloro-2-butene	9.81		"	10.0		98.1	63-141				30
Trichloroethylene	9.23		"	10.0		92.3	70-130				20
Trichlorofluoromethane	10.3		"	10.0		103	40-160				20
Vinyl acetate	9.63		"	10.0		96.3	21-90	High Bias			30
Vinyl Chloride	10.1		"	10.0		101	70-130				20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.66</i>		<i>"</i>	<i>10.0</i>		<i>96.6</i>	<i>70-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.89</i>		<i>"</i>	<i>10.0</i>		<i>98.9</i>	<i>70-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.76</i>		<i>"</i>	<i>10.0</i>		<i>97.6</i>	<i>70-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level
Batch BI80068 - EPA 5030B										
LCS Dup (BI80068-BSD1)										
Prepared & Analyzed: 09/05/2018										
1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0	111	82-126			8.48	30
1,1,1-Trichloroethane	10.0		"	10.0	100	70-130			7.86	20
1,1,2,2-Tetrachloroethane	10.5		"	10.0	105	70-130			4.07	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0	109	70-130			4.39	20
1,1,2-Trichloroethane	10.2		"	10.0	102	70-130			5.43	20
1,1-Dichloroethane	10.4		"	10.0	104	70-130			7.16	20
1,1-Dichloroethylene	10.2		"	10.0	102	70-130			6.06	20
1,1-Dichloropropylene	10.2		"	10.0	102	83-133			4.74	30
1,2,3-Trichlorobenzene	11.1		"	10.0	111	70-130			9.10	20
1,2,3-Trichloropropane	10.4		"	10.0	104	77-128			3.54	30
1,2,4,5-Tetramethylbenzene	10.9		"	10.0	109	85-140			6.73	30
1,2,4-Trichlorobenzene	10.5		"	10.0	105	70-130			5.40	20
1,2,4-Trimethylbenzene	10.5		"	10.0	105	82-132			7.79	20
1,2-Dibromo-3-chloropropane	10.2		"	10.0	102	40-160			2.27	20
1,2-Dibromoethane	10.7		"	10.0	107	70-130			5.97	20
1,2-Dichlorobenzene	10.6		"	10.0	106	70-130			7.98	20
1,2-Dichloroethane	10.5		"	10.0	105	70-130			6.62	20
1,2-Dichloropropane	10.0		"	10.0	100	70-130			6.92	20
1,3,5-Trimethylbenzene	10.4		"	10.0	104	80-131			6.99	30
1,3-Dichlorobenzene	10.5		"	10.0	105	70-130			7.30	20
1,3-Dichloropropane	10.5		"	10.0	105	81-125			5.60	30
1,4-Dichlorobenzene	10.6		"	10.0	106	70-130			7.50	20
1,4-Dioxane	253		"	210	120	40-160			12.8	20
2,2-Dichloropropane	10.3		"	10.0	103	56-150			5.71	30
2-Butanone	10.6		"	10.0	106	40-160			8.33	20
2-Chlorotoluene	10.4		"	10.0	104	79-130			7.08	30
2-Hexanone	11.5		"	10.0	115	40-160			4.36	20
4-Chlorotoluene	10.5		"	10.0	105	79-128			7.03	30
4-Methyl-2-pentanone	10.6		"	10.0	106	40-160			6.43	20
Acetone	10.0		"	10.0	100	40-160			10.4	20
Acrolein	10.2		"	10.0	102	10-153			3.09	30
Acrylonitrile	9.08		"	10.0	90.8	51-150			12.6	30
Benzene	10.4		"	10.0	104	70-130			6.43	20
Bromobenzene	10.4		"	10.0	104	78-129			6.94	30
Bromochloromethane	10.9		"	10.0	109	70-130			7.60	20
Bromodichloromethane	10.1		"	10.0	101	70-130			6.46	20
Bromoform	10.7		"	10.0	107	70-130			5.09	20
Bromomethane	10.6		"	10.0	106	40-160			11.6	20
Carbon disulfide	11.7		"	10.0	117	40-160			5.88	20
Carbon tetrachloride	9.95		"	10.0	99.5	70-130			4.94	20
Chlorobenzene	10.5		"	10.0	105	70-130			5.79	20
Chloroethane	11.0		"	10.0	110	40-160			4.85	20
Chloroform	10.2		"	10.0	102	70-130			6.26	20
Chloromethane	10.9		"	10.0	109	40-160			9.73	20
cis-1,2-Dichloroethylene	10.4		"	10.0	104	70-130			6.96	20
cis-1,3-Dichloropropylene	10.6		"	10.0	106	70-130			5.93	20
Cyclohexane	10.3		"	10.0	103	70-130			4.07	20
Dibromochloromethane	11.0		"	10.0	110	70-130			6.77	20
Dibromomethane	10.1		"	10.0	101	72-134			5.91	30
Dichlorodifluoromethane	11.7		"	10.0	117	40-160			3.44	20
Diisopropyl ether (DIPE)	10.8		"	10.0	108	70-130			7.56	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

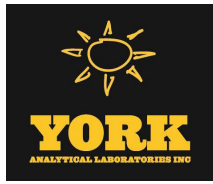
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80068 - EPA 5030B

LCS Dup (BI80068-BSD1)

Prepared & Analyzed: 09/05/2018

Ethyl Benzene	10.8		ug/L	10.0		108	70-130		6.63	20	
Ethyl tert-butyl ether (ETBE)	10.6		"	10.0		106	70-130		7.10	30	
Hexachlorobutadiene	10.5		"	10.0		105	67-146		3.98	30	
Iodomethane	2.89		"	10.0		28.9	70-130	Low Bias	18.5	20	
Isopropylbenzene	9.90		"	10.0		99.0	70-130		6.36	20	
Methyl acetate	11.0		"	10.0		110	70-130		3.53	20	
Methyl Methacrylate	10.2		"	10.0		102	72-132		7.23	30	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	70-130		7.90	20	
Methylcyclohexane	9.74		"	10.0		97.4	70-130		3.13	20	
Methylene chloride	11.6		"	10.0		116	70-130		6.85	20	
Naphthalene	11.0		"	10.0		110	70-147		6.75	30	
n-Butylbenzene	10.4		"	10.0		104	79-132		5.86	30	
n-Propylbenzene	10.3		"	10.0		103	78-133		6.63	30	
o-Xylene	10.9		"	10.0		109	70-130		5.37	20	
p- & m- Xylenes	18.2		"	20.0		91.2	70-130		5.75	20	
p-Diethylbenzene	11.4		"	10.0		114	84-134		6.81	30	
p-Ethyltoluene	10.7		"	10.0		107	88-129		7.06	30	
p-Isopropyltoluene	10.4		"	10.0		104	81-136		6.02	30	
sec-Butylbenzene	10.8		"	10.0		108	79-137		6.03	30	
Styrene	10.8		"	10.0		108	70-130		6.21	20	
tert-Amyl alcohol (TAA)	112		"	100		112	70-130		8.42	30	
tert-Amyl methyl ether (TAME)	10.9		"	10.0		109	70-130		7.33	30	
tert-Butyl alcohol (TBA)	50.1		"	50.0		100	25-162		10.7	30	
tert-Butylbenzene	10.3		"	10.0		103	77-138		8.07	30	
Tetrachloroethylene	8.22		"	10.0		82.2	70-130		7.05	20	
Tetrahydrofuran	10.8		"	10.0		108	36-166		8.23	30	
Toluene	10.3		"	10.0		103	70-130		6.50	20	
trans-1,2-Dichloroethylene	10.4		"	10.0		104	70-130		6.85	20	
trans-1,3-Dichloropropylene	10.3		"	10.0		103	70-130		4.15	20	
trans-1,4-dichloro-2-butene	10.4		"	10.0		104	63-141		5.45	30	
Trichloroethylene	9.97		"	10.0		99.7	70-130		7.71	20	
Trichlorofluoromethane	10.5		"	10.0		105	40-160		2.21	20	
Vinyl acetate	10.6		"	10.0		106	21-90	High Bias	9.40	30	
Vinyl Chloride	10.3		"	10.0		103	70-130		2.15	20	
Surrogate: 1,2-Dichloroethane-d4	9.49		"	10.0		94.9	70-130				
Surrogate: Toluene-d8	9.79		"	10.0		97.9	70-130				
Surrogate: p-Bromofluorobenzene	9.76		"	10.0		97.6	70-130				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18H1393-01	WQ082818:900 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H1393-02	WQ082818:905 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H1393-03	WQ082818:910 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H1393-04	WQ082818:915 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H1393-05	WQ082818:850 NP1-1-2	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 to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

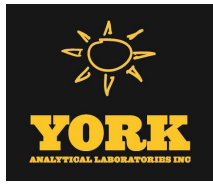
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration 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
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FAX (203) 357-0166

Field Chain-of-Custody Record

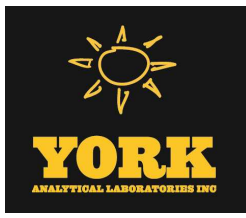
Page 1 of 1

York Project No. 18H1393

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.

YOUR INFORMATION		Report to:		Invoice To:		Your Project ID		Turn-Around Time		Report/Deliverable Type			
Company: WSP USA	<input checked="" type="checkbox"/> SAME	Name: <u>Tunde Sandor</u>	<input checked="" type="checkbox"/> SAME	31401451.000 task	01.00	RUSH-Same Day	Summary Report	X, PDF					
Address: 4 Research Drive	Name: _____	Company: _____	Name: _____	Purchase Order #	_____	RUSH-Next Day	QA Report	X, PDF					
Suite 301, Shelton CT 06484	Address: _____	Address: _____	Address: _____	31401451.000 task	01.00	RUSH-Two Day	CT RCP						
Phone: 203.929.8555	Contact: <u>Tunde Sandor</u>	E-mail: <u>tunde.sandor@wsp.com</u>	E-mail: _____	Samples from CT_NY_x_NJ_	X	RUSH-Three Day	CT RCP DOA/DUE Pkg						
						RUSH-Four Day	NY ASP A Package	X, PDF					
						Standard (5-7day)	NY ASP B Package	X, PDF					
							NUDEP Reduced Deliv						
							Excel	X					
							NYSDEC EQUIS						
							NUDEP SRP HazSite						
							EQUIS						
							GIS/KEY (std)						
							YORK Regulatory Comp Excel						
							compared to:						
							OTHER:						
<p>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.</p> <p><u>[Signature]</u> Samples Collected/Authorized By (Signature)</p> <p><u>EVAL FOSTR</u> Name (printed)</p>		<p>Matrix Codes</p> <p>S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor</p>		<p>Volatiles</p> <p>8250 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list</p>		<p>Semi-Vols. Peas/PCB/Hex</p> <p>8270 or 625 STARS list BN Only PAH list TAGM list CT RCP list TCL list NIDEP list App. IX SEFP or TCLP TCLP BNA SEFP or TCLP 608 PCB</p>		<p>Metals</p> <p>RCRA8 PPI 13 list TAL CTI 15 list TAGM list NIDEP list Total Dissolved SEFP or TCLP Indic. Metals LIST Below</p>		<p>Misc. Org.</p> <p>TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS SEFP or TCLP Air VPH Air TICs Methane Helium</p>		<p>Full Lists</p> <p>Pri. Poll. TCL Organics TAL/MS/CN Full TCLP Full App. IX Part 300-302/304 Part 300-302/304 Part 300-302/304 NYCDEP Sewer NYSDEC Sewer TAGM</p>	
<p>Analysis Requested (List above includes common analysis)</p> <p>VOCs 8260 full plus freon 113</p>		<p>Matrix</p> <p>GW</p>		<p>Date+Time Sampled</p> <p>8/28/18</p>		<p>Sample Identification</p> <p>INGO8260P: 700 FRW-1 905 FRW-2 910 FRW-3 915 FRW-4 850 NPH-2</p>		<p>Container Description</p> <p>3.00L</p>		<p>Temperature on Receipt</p> <p>1.1 °C</p>			
<p>Preservation (check all applicable)</p> <p><input checked="" type="checkbox"/> F⁺ C⁺ Frozen <input checked="" type="checkbox"/> MeOH <input checked="" type="checkbox"/> HCl <input checked="" type="checkbox"/> ZnAc <input checked="" type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other</p>		<p>Special Instructions</p> <p>Field Filled <input type="checkbox"/> Lab to Filter <input type="checkbox"/></p>		<p>Samples Relinquished By</p> <p><u>[Signature]</u> 8/30/18 15:50</p>		<p>Samples Received By</p> <p><u>[Signature]</u> 8/29/18 9:00</p>		<p>Samples Relinquished By</p> <p><u>[Signature]</u> 8/30/18 15:50</p>		<p>Samples Received in LAB by</p> <p><u>[Signature]</u> 8/30/18 15:50</p>			
<p>Comments:</p> <p><u>[Handwritten notes]</u></p>		<p>(system)</p>											

APPENDIX III
AUGUST 2018 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: 09/05/2018
Client Project ID: 31401451.000 Task 01.00
York Project (SDG) No.: 18H1380

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 09/05/2018
Client Project ID: 31401451.000 Task 01.00
York Project (SDG) No.: 18H1380

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 August 30, 2018 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18H1380-01	AQ082818:800 NP4-3	Vapor Extraction	08/28/2018	08/30/2018
18H1380-02	AQ082818:805 NP4-1	Vapor Extraction	08/28/2018	08/30/2018

General Notes for York Project (SDG) No.: 18H1380

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 09/05/2018





Sample Information

Client Sample ID: AQ082818:800 NP4-3

York Sample ID: 18H1380-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1380	31401451.000 Task 01.00	Vapor Extraction	August 28, 2018 8:00 am	08/30/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.2	1.733	EPA TO-15 Certifications:	08/31/2018 21:53	08/31/2018 21:53	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.95	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.95	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.70	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.17	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.3	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.85	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.70	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.80	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.85	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	1.2	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.80	1.733	EPA TO-15 Certifications:	08/31/2018 21:53	08/31/2018 21:53	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS



Sample Information

Client Sample ID: AQ082818:800 NP4-3

York Sample ID: 18H1380-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1380

31401451.000 Task 01.00

Vapor Extraction

August 28, 2018 8:00 am

08/30/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/m ³	0.51	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	2.7	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.71	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
67-64-1	Acetone	ND		ug/m ³	0.82	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.38	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
71-43-2	Benzene	ND		ug/m ³	0.55	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.90	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.2	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
75-25-2	Bromoform	ND		ug/m ³	1.8	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.67	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	0.54	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.27	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.80	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.46	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
67-66-3	Chloroform	ND		ug/m ³	0.85	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
74-87-3	Chloromethane	ND		ug/m ³	0.36	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
156-59-2	cis-1,2-Dichloroethylene	6.1		ug/m ³	0.17	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.79	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
110-82-7	Cyclohexane	ND		ug/m ³	0.60	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.5	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS



Sample Information

Client Sample ID: AQ082818:800 NP4-3

York Sample ID: 18H1380-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1380

31401451.000 Task 01.00

Vapor Extraction

August 28, 2018 8:00 am

08/30/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	0.86	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.733	EPA TO-15 Certifications:	08/31/2018 21:53	08/31/2018 21:53	LDS
100-41-4	Ethyl Benzene	ND		ug/m ³	0.75	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.8	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
67-63-0	Isopropanol	ND		ug/m ³	0.85	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.71	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.62	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
75-09-2	Methylene chloride	ND		ug/m ³	1.2	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
142-82-5	n-Heptane	ND		ug/m ³	0.71	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
110-54-3	n-Hexane	ND		ug/m ³	0.61	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
95-47-6	o-Xylene	ND		ug/m ³	0.75	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.5	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.85	1.733	EPA TO-15 Certifications:	08/31/2018 21:53	08/31/2018 21:53	LDS
115-07-1	* Propylene	ND		ug/m ³	0.30	1.733	EPA TO-15 Certifications:	08/31/2018 21:53	08/31/2018 21:53	LDS
100-42-5	Styrene	ND		ug/m ³	0.74	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
127-18-4	Tetrachloroethylene	6.2		ug/m ³	0.29	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	1.0	1.733	EPA TO-15 Certifications:	08/31/2018 21:53	08/31/2018 21:53	LDS
108-88-3	Toluene	ND		ug/m ³	0.65	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.69	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.79	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	0.23	1.733	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 21:53	08/31/2018 21:53	LDS



Sample Information

Client Sample ID: AQ082818:800 NP4-3

York Sample ID: 18H1380-01

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18H1380, 31401451.000 Task 01.00, Vapor Extraction, August 28, 2018 8:00 am, 08/30/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

Main data table for Sample 1 with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Trichlorofluoromethane, Vinyl acetate, Vinyl bromide, Vinyl Chloride, and Surrogate Recoveries.

Sample Information

Client Sample ID: AQ082818:805 NP4-1

York Sample ID: 18H1380-02

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18H1380, 31401451.000 Task 01.00, Vapor Extraction, August 28, 2018 8:05 am, 08/30/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

Main data table for Sample 2 with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethylene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, and 1,2-Dibromoethane.



Sample Information

Client Sample ID: AQ082818:805 NP4-1

York Sample ID: 18H1380-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1380

31401451.000 Task 01.00

Vapor Extraction

August 28, 2018 8:05 am

08/30/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.81	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.54	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.62	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.94	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.66	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.89	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.81	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.62	1.34	EPA TO-15 Certifications:	08/31/2018 22:45	08/31/2018 22:45	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.81	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.97	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
78-93-3	2-Butanone	ND		ug/m ³	0.40	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	1.1	1.34	EPA TO-15 Certifications:	08/31/2018 22:45	08/31/2018 22:45	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	2.1	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.55	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
67-64-1	Acetone	7.0		ug/m ³	0.64	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.29	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
71-43-2	Benzene	ND		ug/m ³	0.43	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.69	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.90	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
75-25-2	Bromoform	ND		ug/m ³	1.4	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.52	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS



Sample Information

Client Sample ID: AQ082818:805 NP4-1

York Sample ID: 18H1380-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1380

31401451.000 Task 01.00

Vapor Extraction

August 28, 2018 8:05 am

08/30/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/m ³	0.42	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.21	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.62	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.35	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
67-66-3	Chloroform	ND		ug/m ³	0.65	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
74-87-3	Chloromethane	ND		ug/m ³	0.28	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.13	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.61	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
110-82-7	Cyclohexane	ND		ug/m ³	0.46	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.1	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	0.66	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	0.97	1.34	EPA TO-15 Certifications:	08/31/2018 22:45	08/31/2018 22:45	LDS
100-41-4	Ethyl Benzene	ND		ug/m ³	0.58	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.4	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
67-63-0	Isopropanol	2.4		ug/m ³	0.66	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.55	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.48	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
75-09-2	Methylene chloride	ND		ug/m ³	0.93	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
142-82-5	n-Heptane	ND		ug/m ³	0.55	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
110-54-3	n-Hexane	ND		ug/m ³	0.47	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
95-47-6	o-Xylene	ND		ug/m ³	0.58	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS



Sample Information

Client Sample ID: AQ082818:805 NP4-1

York Sample ID: 18H1380-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1380

31401451.000 Task 01.00

Vapor Extraction

August 28, 2018 8:05 am

08/30/2018

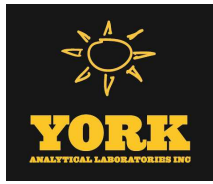
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.2	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.66	1.34	EPA TO-15 Certifications:	08/31/2018 22:45	08/31/2018 22:45	LDS
115-07-1	* Propylene	ND		ug/m ³	0.23	1.34	EPA TO-15 Certifications:	08/31/2018 22:45	08/31/2018 22:45	LDS
100-42-5	Styrene	ND		ug/m ³	0.57	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
127-18-4	Tetrachloroethylene	5.5		ug/m ³	0.23	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.79	1.34	EPA TO-15 Certifications:	08/31/2018 22:45	08/31/2018 22:45	LDS
108-88-3	Toluene	3.4		ug/m ³	0.50	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.53	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.61	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	0.18	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.75	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.47	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.59	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.086	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/31/2018 22:45	08/31/2018 22:45	LDS
	Surrogate Recoveries	Result					Acceptance Range			
460-00-4	Surrogate: p-Bromofluorobenzene	103 %					70-130			





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-A The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to detected analytes only.

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.

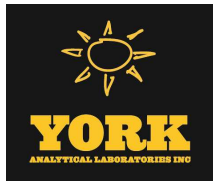
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For 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.



