

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<0.2
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
5-Oct-18	6.9	145	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.66	ND<0.2
1-Nov-18	6.8	193	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.84	ND<0.2

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

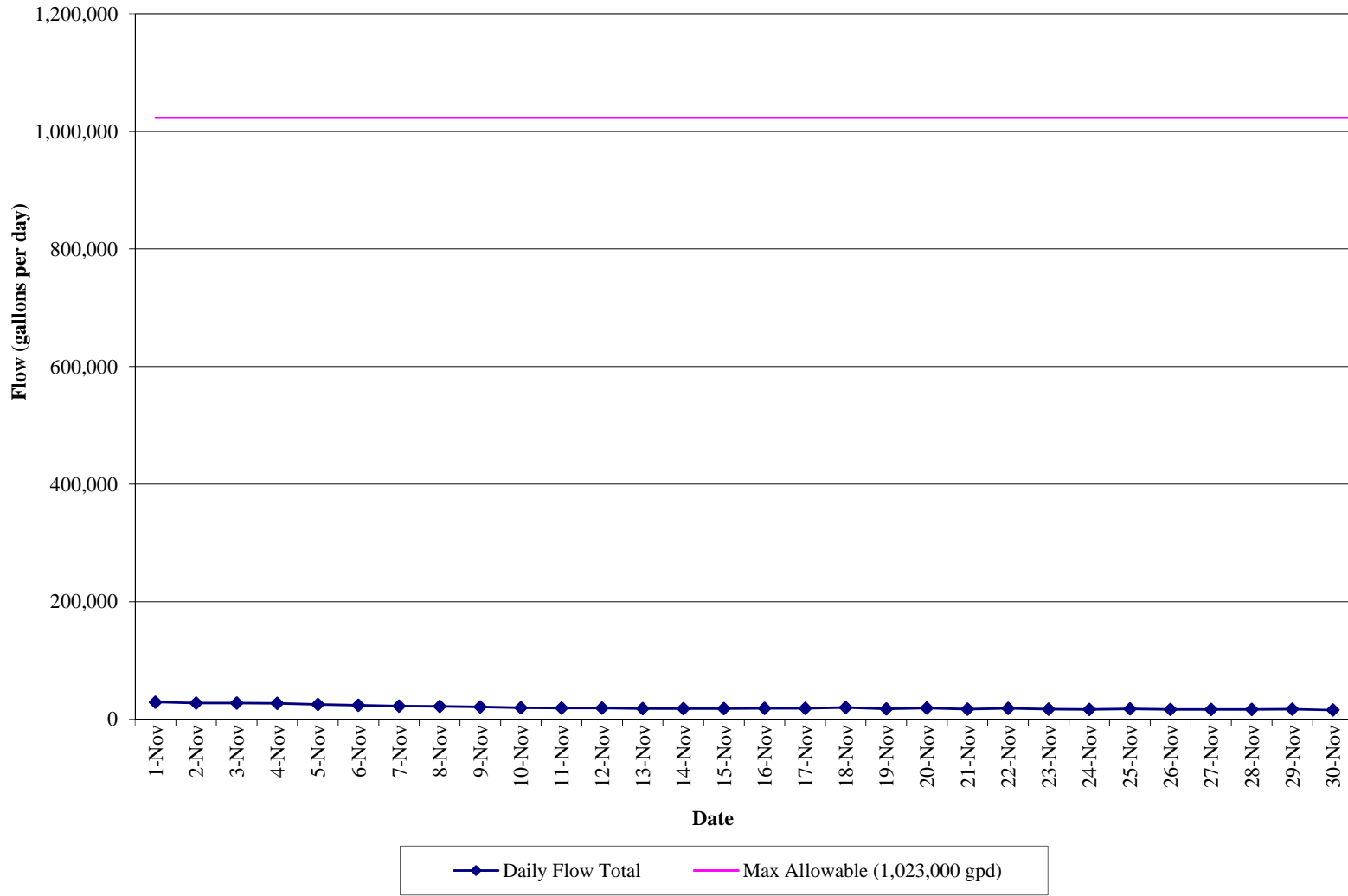
trans-1,2,-DCE: trans-1,2-Dichloroethene

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. The pH of the effluent sample collected on November 15, 2018 was 6.85.
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).

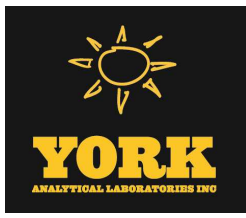
GRAPH 1
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Effluent Flow Data
(November 1, 2018 to November 30, 2018)





APPENDIX I
NOVEMBER 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: 11/15/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18K0193

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: 11/15/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18K0193

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 November 06, 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>
18K0193-01	WQ110118:1315 NP2-6	Water	11/01/2018	11/06/2018
18K0193-02	WQ110118:1320 NP2-10	Water	11/01/2018	11/06/2018

General Notes for York Project (SDG) No.: 18K0193

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: 11/15/2018





Sample Information

Client Sample ID: WQ110118:1315 NP2-6

York Sample ID: 18K0193-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18K0193	31401451.000 task 01.00	Water	November 1, 2018 1:15 pm	11/06/2018

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	11/14/2018 12:33	11/14/2018 20:30	LLJ
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	11/14/2018 12:33	11/14/2018 20:30	LLJ
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	11/14/2018 12:33	11/14/2018 20:30	LLJ
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	11/14/2018 12:33	11/14/2018 20:30	LLJ
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	11/14/2018 12:33	11/14/2018 20:30	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
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	11/14/2018 12:33	11/14/2018 20:30	LLJ
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	11/14/2018 12:33	11/14/2018 20:30	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
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	11/14/2018 12:33	11/14/2018 20:30	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ



Sample Information

Client Sample ID: WQ110118:1315 NP2-6

York Sample ID: 18K0193-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18K0193

31401451.000 task 01.00

Water

November 1, 2018 1:15 pm

11/06/2018

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	11/14/2018 12:33	11/14/2018 20:30	LLJ
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
67-64-1	Acetone	2.22		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
67-66-3	Chloroform	0.210		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
74-87-3	Chloromethane	0.260		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
156-59-2	cis-1,2-Dichloroethylene	0.450		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
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	11/14/2018 12:33	11/14/2018 20:30	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ



Sample Information

Client Sample ID: WQ110118:1315 NP2-6

York Sample ID: 18K0193-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18K0193

31401451.000 task 01.00

Water

November 1, 2018 1:15 pm

11/06/2018

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	11/14/2018 12:33	11/14/2018 20:30	LLJ
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
127-18-4	Tetrachloroethylene	0.250		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
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	11/14/2018 12:33	11/14/2018 20:30	LLJ
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	11/14/2018 12:33	11/14/2018 20:30	LLJ
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/14/2018 12:33	11/14/2018 20:30	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	110 %	70-130								
2037-26-5	Surrogate: SURR: Toluene-d8	109 %	70-130								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	81.4 %	70-130								



Sample Information

Client Sample ID: WQ110118:1320 NP2-10

York Sample ID: 18K0193-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18K0193

31401451.000 task 01.00

Water

November 1, 2018 1:20 pm

11/06/2018

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	11/14/2018 12:33	11/14/2018 20:57	LLJ
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	11/14/2018 12:33	11/14/2018 20:57	LLJ
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	11/14/2018 12:33	11/14/2018 20:57	LLJ
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	11/14/2018 12:33	11/14/2018 20:57	LLJ
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	11/14/2018 12:33	11/14/2018 20:57	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
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	11/14/2018 12:33	11/14/2018 20:57	LLJ
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	11/14/2018 12:33	11/14/2018 20:57	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
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	11/14/2018 12:33	11/14/2018 20:57	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ



Sample Information

Client Sample ID: WQ110118:1320 NP2-10

York Sample ID: 18K0193-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18K0193

31401451.000 task 01.00

Water

November 1, 2018 1:20 pm

11/06/2018

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	11/14/2018 12:33	11/14/2018 20:57	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
67-64-1	Acetone	1.39		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
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	11/14/2018 12:33	11/14/2018 20:57	LLJ
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	11/14/2018 12:33	11/14/2018 20:57	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
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	11/14/2018 12:33	11/14/2018 20:57	LLJ



Sample Information

Client Sample ID: WQ110118:1320 NP2-10

York Sample ID: 18K0193-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18K0193

31401451.000 task 01.00

Water

November 1, 2018 1:20 pm

11/06/2018

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	11/14/2018 12:33	11/14/2018 20:57	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
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	11/14/2018 12:33	11/14/2018 20:57	LLJ
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	11/14/2018 12:33	11/14/2018 20:57	LLJ
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 20:57	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/14/2018 12:33	11/14/2018 20:57	LLJ

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	113 %									
2037-26-5	Surrogate: SURRE: Toluene-d8	109 %									
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	81.7 %									

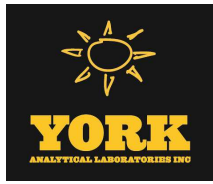
Iron by EPA 200.7

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: WQ110118:1320 NP2-10

York Sample ID: 18K0193-02

<u>York Project (SDG) No.</u> 18K0193	<u>Client Project ID</u> 31401451.000 task 01.00	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 1, 2018 1:20 pm	<u>Date Received</u> 11/06/2018
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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	0.838		mg/L	0.278	1	EPA 200.7	11/08/2018 15:07	11/09/2018 12:53	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	ND		mg/L	0.278	1	EPA 6010D	11/07/2018 12:09	11/07/2018 12:55	KML
							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	193		mg/L	10.0	1	SM 2540C	11/07/2018 20:31	11/07/2018 20:31	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Analytical Batch Summary

Batch ID: BK80381 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18K0193-02	WQ110118:1320 NP2-10	11/07/18
BK80381-BLK1	Blank	11/07/18
BK80381-BS1	LCS	11/07/18

Batch ID: BK80420 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
18K0193-02	WQ110118:1320 NP2-10	11/07/18
BK80420-BLK1	Blank	11/07/18

Batch ID: BK80472 **Preparation Method:** EPA 200.7 **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18K0193-02	WQ110118:1320 NP2-10	11/08/18
BK80472-BLK1	Blank	11/08/18
BK80472-BS1	LCS	11/08/18

Batch ID: BK80724 **Preparation Method:** EPA 5030B **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18K0193-01	WQ110118:1315 NP2-6	11/14/18
18K0193-02	WQ110118:1320 NP2-10	11/14/18
BK80724-BLK1	Blank	11/14/18
BK80724-BS1	LCS	11/14/18
BK80724-BSD1	LCS Dup	11/14/18



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 BK80724 - EPA 5030B

Blank (BK80724-BLK1)

Prepared & Analyzed: 11/14/2018

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-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 BK80724 - EPA 5030B

Blank (BK80724-BLK1)

Prepared & Analyzed: 11/14/2018

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: SURR: 1,2-Dichloroethane-d4</i>	10.8		"	10.0		108	70-130				
<i>Surrogate: SURR: Toluene-d8</i>	11.2		"	10.0		112	70-130				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	8.11		"	10.0		81.1	70-130				

LCS (BK80724-BS1)

Prepared & Analyzed: 11/14/2018

1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126			30	
1,1,1-Trichloroethane	11.0		"	10.0		110	70-130			20	
1,1,2,2-Tetrachloroethane	8.92		"	10.0		89.2	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	10.9		"	10.0		109	70-130			20	
1,1-Dichloroethane	11.0		"	10.0		110	70-130			20	
1,1-Dichloroethylene	10.8		"	10.0		108	70-130			20	
1,1-Dichloropropylene	10.4		"	10.0		104	83-133			30	
1,2,3-Trichlorobenzene	8.59		"	10.0		85.9	70-130			20	
1,2,3-Trichloropropane	9.26		"	10.0		92.6	77-128			30	
1,2,4-Trichlorobenzene	8.50		"	10.0		85.0	70-130			20	
1,2,4-Trimethylbenzene	9.73		"	10.0		97.3	82-132			20	
1,2-Dibromo-3-chloropropane	9.20		"	10.0		92.0	40-160			20	
1,2-Dibromoethane	10.6		"	10.0		106	70-130			20	
1,2-Dichlorobenzene	10.2		"	10.0		102	70-130			20	
1,2-Dichloroethane	10.9		"	10.0		109	70-130			20	
1,2-Dichloropropane	11.8		"	10.0		118	70-130			20	
1,3,5-Trimethylbenzene	9.59		"	10.0		95.9	80-131			30	
1,3-Dichlorobenzene	9.74		"	10.0		97.4	70-130			20	
1,3-Dichloropropane	10.9		"	10.0		109	81-125			30	
1,4-Dichlorobenzene	9.83		"	10.0		98.3	70-130			20	
2,2-Dichloropropane	12.0		"	10.0		120	56-150			30	
2-Chlorotoluene	9.37		"	10.0		93.7	79-130			30	
2-Hexanone	10.4		"	10.0		104	40-160			20	
4-Chlorotoluene	9.43		"	10.0		94.3	79-128			30	
Acetone	12.6		"	10.0		126	40-160			20	
Benzene	10.8		"	10.0		108	70-130			20	
Bromobenzene	8.87		"	10.0		88.7	78-129			30	
Bromochloromethane	10.9		"	10.0		109	70-130			20	
Bromodichloromethane	11.9		"	10.0		119	70-130			20	
Bromoform	8.29		"	10.0		82.9	70-130			20	
Bromomethane	8.99		"	10.0		89.9	40-160			20	



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 BK80724 - EPA 5030B

LCS (BK80724-BS1)

Prepared & Analyzed: 11/14/2018

Carbon tetrachloride	10.6		ug/L	10.0		106	70-130				20
Chlorobenzene	9.94		"	10.0		99.4	70-130				20
Chloroethane	8.81		"	10.0		88.1	40-160				20
Chloroform	11.2		"	10.0		112	70-130				20
Chloromethane	7.09		"	10.0		70.9	40-160				20
cis-1,2-Dichloroethylene	11.0		"	10.0		110	70-130				20
cis-1,3-Dichloropropylene	11.6		"	10.0		116	70-130				20
Dibromochloromethane	10.3		"	10.0		103	70-130				20
Dibromomethane	11.7		"	10.0		117	72-134				30
Dichlorodifluoromethane	5.02		"	10.0		50.2	40-160				20
Ethyl Benzene	10.5		"	10.0		105	70-130				20
Hexachlorobutadiene	7.93		"	10.0		79.3	67-146				30
Isopropylbenzene	9.97		"	10.0		99.7	70-130				20
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	70-130				20
Methylene chloride	10.5		"	10.0		105	70-130				20
Naphthalene	9.24		"	10.0		92.4	70-147				30
n-Butylbenzene	9.71		"	10.0		97.1	79-132				30
n-Propylbenzene	9.68		"	10.0		96.8	78-133				30
o-Xylene	10.1		"	10.0		101	70-130				20
p- & m- Xylenes	20.6		"	20.0		103	70-130				20
p-Isopropyltoluene	9.43		"	10.0		94.3	81-136				30
sec-Butylbenzene	9.16		"	10.0		91.6	79-137				30
Styrene	9.75		"	10.0		97.5	70-130				20
tert-Butylbenzene	9.18		"	10.0		91.8	77-138				30
Tetrachloroethylene	9.87		"	10.0		98.7	70-130				20
Toluene	11.2		"	10.0		112	70-130				20
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130				20
trans-1,3-Dichloropropylene	10.9		"	10.0		109	70-130				20
Trichloroethylene	11.4		"	10.0		114	70-130				20
Trichlorofluoromethane	11.7		"	10.0		117	40-160				20
Vinyl Chloride	8.22		"	10.0		82.2	70-130				20
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>11.1</i>		<i>"</i>	<i>10.0</i>		<i>111</i>	<i>70-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>70-130</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.03</i>		<i>"</i>	<i>10.0</i>		<i>90.3</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 BK80724 - EPA 5030B											
LCS Dup (BK80724-BSD1)											
Prepared & Analyzed: 11/14/2018											
1,1,1,2-Tetrachloroethane	11.4		ug/L	10.0		114	82-126		7.54	30	
1,1,1-Trichloroethane	12.2		"	10.0		122	70-130		11.0	20	
1,1,2,2-Tetrachloroethane	9.05		"	10.0		90.5	70-130		1.45	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.5		"	10.0		135	70-130	High Bias	18.5	20	
1,1,2-Trichloroethane	11.6		"	10.0		116	70-130		5.42	20	
1,1-Dichloroethane	11.9		"	10.0		119	70-130		8.12	20	
1,1-Dichloroethylene	12.0		"	10.0		120	70-130		10.4	20	
1,1-Dichloropropylene	11.7		"	10.0		117	83-133		11.5	30	
1,2,3-Trichlorobenzene	8.72		"	10.0		87.2	70-130		1.50	20	
1,2,3-Trichloropropane	9.40		"	10.0		94.0	77-128		1.50	30	
1,2,4-Trichlorobenzene	8.99		"	10.0		89.9	70-130		5.60	20	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132		6.08	20	
1,2-Dibromo-3-chloropropane	9.59		"	10.0		95.9	40-160		4.15	20	
1,2-Dibromoethane	11.2		"	10.0		112	70-130		6.33	20	
1,2-Dichlorobenzene	10.9		"	10.0		109	70-130		6.62	20	
1,2-Dichloroethane	12.1		"	10.0		121	70-130		10.1	20	
1,2-Dichloropropane	12.6		"	10.0		126	70-130		6.97	20	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	80-131		6.65	30	
1,3-Dichlorobenzene	10.4		"	10.0		104	70-130		6.07	20	
1,3-Dichloropropane	11.7		"	10.0		117	81-125		6.72	30	
1,4-Dichlorobenzene	10.4		"	10.0		104	70-130		5.64	20	
2,2-Dichloropropane	13.1		"	10.0		131	56-150		8.74	30	
2-Chlorotoluene	9.87		"	10.0		98.7	79-130		5.20	30	
2-Hexanone	10.5		"	10.0		105	40-160		0.191	20	
4-Chlorotoluene	9.83		"	10.0		98.3	79-128		4.15	30	
Acetone	12.3		"	10.0		123	40-160		2.48	20	
Benzene	11.6		"	10.0		116	70-130		7.43	20	
Bromobenzene	9.24		"	10.0		92.4	78-129		4.09	30	
Bromochloromethane	11.8		"	10.0		118	70-130		7.82	20	
Bromodichloromethane	12.7		"	10.0		127	70-130		6.34	20	
Bromoform	8.27		"	10.0		82.7	70-130		0.242	20	
Bromomethane	11.4		"	10.0		114	40-160		23.6	20	Non-dir.
Carbon tetrachloride	12.1		"	10.0		121	70-130		13.9	20	
Chlorobenzene	10.6		"	10.0		106	70-130		6.61	20	
Chloroethane	10.0		"	10.0		100	40-160		13.1	20	
Chloroform	12.0		"	10.0		120	70-130		7.17	20	
Chloromethane	8.05		"	10.0		80.5	40-160		12.7	20	
cis-1,2-Dichloroethylene	11.7		"	10.0		117	70-130		6.45	20	
cis-1,3-Dichloropropylene	12.4		"	10.0		124	70-130		7.33	20	
Dibromochloromethane	10.7		"	10.0		107	70-130		3.90	20	
Dibromomethane	12.4		"	10.0		124	72-134		5.75	30	
Dichlorodifluoromethane	8.62		"	10.0		86.2	40-160		52.8	20	Non-dir.
Ethyl Benzene	11.4		"	10.0		114	70-130		8.23	20	
Hexachlorobutadiene	8.43		"	10.0		84.3	67-146		6.11	30	
Isopropylbenzene	10.6		"	10.0		106	70-130		6.41	20	
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	70-130		5.03	20	
Methylene chloride	11.1		"	10.0		111	70-130		5.84	20	
Naphthalene	9.36		"	10.0		93.6	70-147		1.29	30	
n-Butylbenzene	10.8		"	10.0		108	79-132		10.8	30	
n-Propylbenzene	10.4		"	10.0		104	78-133		6.98	30	
o-Xylene	10.6		"	10.0		106	70-130		5.41	20	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

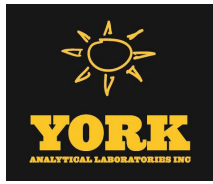
Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	Flag	RPD	RPD Limit	Flag
		Limit			Result	Limits		Limit		

Batch BK80724 - EPA 5030B

LCS Dup (BK80724-BSD1)

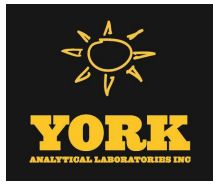
Prepared & Analyzed: 11/14/2018

p- & m- Xylenes	22.3		ug/L	20.0		111	70-130		8.03	20
p-Isopropyltoluene	10.2		"	10.0		102	81-136		7.65	30
sec-Butylbenzene	10.1		"	10.0		101	79-137		9.37	30
Styrene	10.2		"	10.0		102	70-130		4.02	20
tert-Butylbenzene	9.93		"	10.0		99.3	77-138		7.85	30
Tetrachloroethylene	11.0		"	10.0		110	70-130		11.2	20
Toluene	12.3		"	10.0		123	70-130		9.60	20
trans-1,2-Dichloroethylene	11.2		"	10.0		112	70-130		9.27	20
trans-1,3-Dichloropropylene	11.6		"	10.0		116	70-130		5.87	20
Trichloroethylene	12.5		"	10.0		125	70-130		8.85	20
Trichlorofluoromethane	14.2		"	10.0		142	40-160		19.9	20
Vinyl Chloride	9.85		"	10.0		98.5	70-130		18.0	20
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.8</i>		<i>"</i>	<i>10.0</i>		<i>108</i>	<i>70-130</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</i>	<i>70-130</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>8.85</i>		<i>"</i>	<i>10.0</i>		<i>88.5</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 BK80381 - EPA 3015A											
Blank (BK80381-BLK1)											Prepared & Analyzed: 11/07/2018
Iron - Dissolved	ND	0.278	mg/L								
LCS (BK80381-BS1)											Prepared & Analyzed: 11/07/2018
Iron - Dissolved	1.02		ug/mL	1.00		102	80-120				
Batch BK80472 - EPA 200.7											
Blank (BK80472-BLK1)											Prepared: 11/08/2018 Analyzed: 11/09/2018
Iron	ND	0.278	mg/L								
LCS (BK80472-BS1)											Prepared: 11/08/2018 Analyzed: 11/09/2018
Iron	1.00		ug/mL	1.00		100	85-115				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

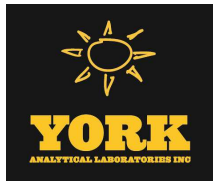
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK80420 - % Solids Prep

Blank (BK80420-BLK1)

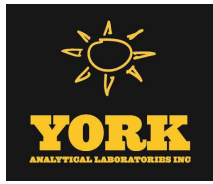
Prepared & Analyzed: 11/07/2018

Total Dissolved Solids	ND	10.0	mg/L								
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Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18K0193-01	WQ110118:1315 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18K0193-02	WQ110118:1320 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).

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.

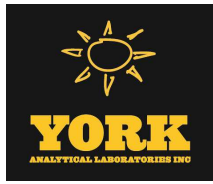
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For 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.
STRAFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

Page 1 of 1

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. 18K0193

YOUR INFORMATION		Report to:		Invoice To:		Your Project ID		Turn-Around Time		Report/Deliverable Type	
Company:	WSP USA	<input checked="" type="checkbox"/> SAME	<input checked="" type="checkbox"/> X	Name: <u> </u>		31401451.000 task		RUSH-Same Day		Summary Report	
Address:	4 Research Drive	Name:		Company:		01.00		RUSH-Next Day		QA Report	
Suite:	301, Shelton CT 06484	Address:		Address:		Purchase Order #		RUSH-Two Day		CT RCP	
Phone:	203.929.8555	E-mail:		E-mail:		31401451.000 task		RUSH-Three Day		CT RCP DQA/DUE Pkg	
Contact:	Tunde Sandor	E-mail:		E-mail:		01.00		RUSH-Four Day		NY ASP A Package	
E-mail:	tunde.sandor@wsp.com	E-mail:		E-mail:		Samples from CT_NY_x_NJ_		Standard (5-7day)		NY ASP B Package	

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

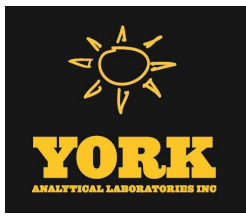
Samples Collected/Authorized By (Signature)
Evan Foster
Name (printed)
Evan Foster

Volatiles	Seml. Vols.	Metals	Misc. Org.	Full Lists
8260 full TICs	8270 or 625 RCRAB	PCB list	TPH GRO	Phi.Poll.
624 Site Spec.	STARS list	PP13 list	TPH DRO	TCL Organics
STARS list Nassau Co.	BN Only	TAL	CT ETPH	TAL.MetCN
BTEX Suffolk Co.	Acids Only	CT RCP	NY 310-13	Full TCLP
MTBE Ketones	PAH list	App. IX	TPH 1664	Full App. IX
TCL list Oxygenates	TAGM list	Site Spec.	NIJEP list	Part 560 Equate
TAGM list TCLP list	CT RCP list	SPL or TCLP	Total	Part 560 Baseline
CT RCP list 524.2	TCL list	TCLP Pest	Dissolved	Part 560 Equate (to determine full list)
Arom. only 502.2	NIJEP list	TCLP Herb	SPL or TCLP	Part 560 Equate (to determine full list)
Halog. only NIJEP list	App. IX	Chloridane	Ind. Metals	NYCDEP Sess
App IX list SPL or TCLP	TCLP BNA	608 Pest	LIST Below	NYSECC Sess
8021B list	SPL or TCLP	608 PCB	Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description																				
WQ110118: 1315 NP2-6	11-1-18	GW	VOCs 8260 full plus freon 113	3V0A																				
WQ110118: 1320 NP2-10	↓	GW	Fe by EPA 200.7; Fe dissolved by EPA 6010; VOCs 8260 full plus freon 113; TDS	3V0A, 3plastic																				
<i>[Signature]</i>																								
11/6/18 1:15																								
<table border="1"> <tr> <td>Preservation (check all applicable)</td> <td>4°C</td> <td>Frozen</td> <td>HCl</td> <td>MeOH</td> <td>HNO₃</td> <td>H₂O₂</td> <td>NaOH</td> </tr> <tr> <td>Special Instructions</td> <td></td> <td></td> <td>ZnAc</td> <td>Ascorbic Acid</td> <td>Other</td> <td></td> <td></td> </tr> </table>					Preservation (check all applicable)	4°C	Frozen	HCl	MeOH	HNO ₃	H ₂ O ₂	NaOH	Special Instructions			ZnAc	Ascorbic Acid	Other						
Preservation (check all applicable)	4°C	Frozen	HCl	MeOH	HNO ₃	H ₂ O ₂	NaOH																	
Special Instructions			ZnAc	Ascorbic Acid	Other																			
<table border="1"> <tr> <td>Samples Relinquished By</td> <td>Date/Time</td> <td>Samples Received By</td> <td>Date/Time</td> <td>Temperature on Receipt</td> </tr> <tr> <td><i>[Signature]</i></td> <td>11-2-18 800</td> <td>WSP Frigid</td> <td>11-2-18 800</td> <td>2.4 °C</td> </tr> <tr> <td>Samples Relinquished By</td> <td>Date/Time</td> <td>Samples Received in LAB by</td> <td>Date/Time</td> <td></td> </tr> <tr> <td><i>[Signature]</i></td> <td>11-6-18 1417</td> <td>79</td> <td>11-6-18 1417</td> <td></td> </tr> </table>					Samples Relinquished By	Date/Time	Samples Received By	Date/Time	Temperature on Receipt	<i>[Signature]</i>	11-2-18 800	WSP Frigid	11-2-18 800	2.4 °C	Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time		<i>[Signature]</i>	11-6-18 1417	79	11-6-18 1417	
Samples Relinquished By	Date/Time	Samples Received By	Date/Time	Temperature on Receipt																				
<i>[Signature]</i>	11-2-18 800	WSP Frigid	11-2-18 800	2.4 °C																				
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time																					
<i>[Signature]</i>	11-6-18 1417	79	11-6-18 1417																					



APPENDIX II
NOVEMBER 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: 11/15/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18K0194

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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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 11/15/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18K0194

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 November 06, 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>
18K0194-01	WQ110118:1230FRW-1	Water	11/01/2018	11/06/2018
18K0194-02	WQ110118:1235FRW-2	Water	11/01/2018	11/06/2018
18K0194-03	WQ110118:1240FRW-3	Water	11/01/2018	11/06/2018
18K0194-04	WQ110118:1245FRW-4	Water	11/01/2018	11/06/2018
18K0194-05	WQ110118:1310NP1-1-2	Water	11/01/2018	11/06/2018

General Notes for York Project (SDG) No.: 18K0194

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: 11/15/2018





Sample Information

Client Sample ID: WQ110118:1230FRW-1

York Sample ID: 18K0194-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18K0194	31401451.000 task 01.00	Water	November 1, 2018 12:30 pm	11/06/2018

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	11/14/2018 12:33	11/14/2018 21:24	LLJ
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	11/14/2018 12:33	11/14/2018 21:24	LLJ
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	11/14/2018 12:33	11/14/2018 21:24	LLJ
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	11/14/2018 12:33	11/14/2018 21:24	LLJ
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	11/14/2018 12:33	11/14/2018 21:24	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
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	11/14/2018 12:33	11/14/2018 21:24	LLJ
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	11/14/2018 12:33	11/14/2018 21:24	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
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	11/14/2018 12:33	11/14/2018 21:24	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ



Sample Information

Client Sample ID: WQ110118:1230FRW-1

York Sample ID: 18K0194-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18K0194

31401451.000 task 01.00

Water

November 1, 2018 12:30 pm

11/06/2018

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	11/14/2018 12:33	11/14/2018 21:24	LLJ
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
156-59-2	cis-1,2-Dichloroethylene	3.30		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
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	11/14/2018 12:33	11/14/2018 21:24	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ



Sample Information

Client Sample ID: WQ110118:1230FRW-1

York Sample ID: 18K0194-01

<u>York Project (SDG) No.</u> 18K0194	<u>Client Project ID</u> 31401451.000 task 01.00	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 1, 2018 12:30 pm	<u>Date Received</u> 11/06/2018
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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	11/14/2018 12:33	11/14/2018 21:24	LLJ
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
127-18-4	Tetrachloroethylene	5.12		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
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	11/14/2018 12:33	11/14/2018 21:24	LLJ
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	11/14/2018 12:33	11/14/2018 21:24	LLJ
79-01-6	Trichloroethylene	0.780		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/14/2018 12:33	11/14/2018 21:24	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	112 %	70-130								
2037-26-5	Surrogate: SURR: Toluene-d8	107 %	70-130								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	82.4 %	70-130								



Sample Information

Client Sample ID: WQ110118:1235FRW-2

York Sample ID: 18K0194-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18K0194

31401451.000 task 01.00

Water

November 1, 2018 12:35 pm

11/06/2018

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	11/14/2018 12:33	11/14/2018 21:50	LLJ
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	11/14/2018 12:33	11/14/2018 21:50	LLJ
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	11/14/2018 12:33	11/14/2018 21:50	LLJ
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	11/14/2018 12:33	11/14/2018 21:50	LLJ
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	11/14/2018 12:33	11/14/2018 21:50	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
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	11/14/2018 12:33	11/14/2018 21:50	LLJ
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	11/14/2018 12:33	11/14/2018 21:50	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
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	11/14/2018 12:33	11/14/2018 21:50	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ



Sample Information

Client Sample ID: WQ110118:1235FRW-2

York Sample ID: 18K0194-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18K0194

31401451.000 task 01.00

Water

November 1, 2018 12:35 pm

11/06/2018

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	11/14/2018 12:33	11/14/2018 21:50	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
156-59-2	cis-1,2-Dichloroethylene	0.950		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
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	11/14/2018 12:33	11/14/2018 21:50	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
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	11/14/2018 12:33	11/14/2018 21:50	LLJ



Sample Information

Client Sample ID: WQ110118:1235FRW-2

York Sample ID: 18K0194-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18K0194

31401451.000 task 01.00

Water

November 1, 2018 12:35 pm

11/06/2018

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	11/14/2018 12:33	11/14/2018 21:50	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
127-18-4	Tetrachloroethylene	3.20		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
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	11/14/2018 12:33	11/14/2018 21:50	LLJ
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	11/14/2018 12:33	11/14/2018 21:50	LLJ
79-01-6	Trichloroethylene	0.610		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/14/2018 12:33	11/14/2018 21:50	LLJ
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	113 %			70-130						
2037-26-5	Surrogate: SURRE: Toluene-d8	110 %			70-130						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	78.4 %			70-130						



Sample Information

Client Sample ID: WQ110118:1240FRW-3

York Sample ID: 18K0194-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18K0194

31401451.000 task 01.00

Water

November 1, 2018 12:40 pm

11/06/2018

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	11/14/2018 12:33	11/14/2018 22:17	LLJ
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	11/14/2018 12:33	11/14/2018 22:17	LLJ
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	11/14/2018 12:33	11/14/2018 22:17	LLJ
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	11/14/2018 12:33	11/14/2018 22:17	LLJ
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	11/14/2018 12:33	11/14/2018 22:17	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
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	11/14/2018 12:33	11/14/2018 22:17	LLJ
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	11/14/2018 12:33	11/14/2018 22:17	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
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	11/14/2018 12:33	11/14/2018 22:17	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ



Sample Information

Client Sample ID: WQ110118:1240FRW-3

York Sample ID: 18K0194-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18K0194

31401451.000 task 01.00

Water

November 1, 2018 12:40 pm

11/06/2018

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	11/14/2018 12:33	11/14/2018 22:17	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
156-59-2	cis-1,2-Dichloroethylene	3.37		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
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	11/14/2018 12:33	11/14/2018 22:17	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
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	11/14/2018 12:33	11/14/2018 22:17	LLJ



Sample Information

Client Sample ID: WQ110118:1240FRW-3

York Sample ID: 18K0194-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18K0194

31401451.000 task 01.00

Water

November 1, 2018 12:40 pm

11/06/2018

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	11/14/2018 12:33	11/14/2018 22:17	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
127-18-4	Tetrachloroethylene	2.89		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
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	11/14/2018 12:33	11/14/2018 22:17	LLJ
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	11/14/2018 12:33	11/14/2018 22:17	LLJ
79-01-6	Trichloroethylene	0.810		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/14/2018 12:33	11/14/2018 22:17	LLJ
	Surrogate Recoveries	Result						Acceptance Range			
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	111 %						70-130			
2037-26-5	Surrogate: SURRE: Toluene-d8	112 %						70-130			
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	77.8 %						70-130			



Sample Information

Client Sample ID: WQ110118:1245FRW-4

York Sample ID: 18K0194-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18K0194

31401451.000 task 01.00

Water

November 1, 2018 12:45 pm

11/06/2018

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	11/14/2018 12:33	11/14/2018 22:43	LLJ
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	11/14/2018 12:33	11/14/2018 22:43	LLJ
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	11/14/2018 12:33	11/14/2018 22:43	LLJ
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	11/14/2018 12:33	11/14/2018 22:43	LLJ
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	11/14/2018 12:33	11/14/2018 22:43	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
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	11/14/2018 12:33	11/14/2018 22:43	LLJ
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	11/14/2018 12:33	11/14/2018 22:43	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
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	11/14/2018 12:33	11/14/2018 22:43	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ



Sample Information

Client Sample ID: WQ110118:1245FRW-4

York Sample ID: 18K0194-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18K0194

31401451.000 task 01.00

Water

November 1, 2018 12:45 pm

11/06/2018

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	11/14/2018 12:33	11/14/2018 22:43	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
156-59-2	cis-1,2-Dichloroethylene	1.49		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
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	11/14/2018 12:33	11/14/2018 22:43	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
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	11/14/2018 12:33	11/14/2018 22:43	LLJ



Sample Information

Client Sample ID: WQ110118:1245FRW-4

York Sample ID: 18K0194-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18K0194

31401451.000 task 01.00

Water

November 1, 2018 12:45 pm

11/06/2018

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	11/14/2018 12:33	11/14/2018 22:43	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
127-18-4	Tetrachloroethylene	0.870		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
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	11/14/2018 12:33	11/14/2018 22:43	LLJ
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	11/14/2018 12:33	11/14/2018 22:43	LLJ
79-01-6	Trichloroethylene	0.280		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/14/2018 12:33	11/14/2018 22:43	LLJ
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	113 %			70-130						
2037-26-5	Surrogate: SURRE: Toluene-d8	109 %			70-130						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	79.2 %			70-130						



Sample Information

Client Sample ID: WQ110118:1310NP1-1-2

York Sample ID: 18K0194-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18K0194

31401451.000 task 01.00

Water

November 1, 2018 1:10 pm

11/06/2018

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	11/14/2018 12:33	11/14/2018 23:09	LLJ
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	11/14/2018 12:33	11/14/2018 23:09	LLJ
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	11/14/2018 12:33	11/14/2018 23:09	LLJ
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	11/14/2018 12:33	11/14/2018 23:09	LLJ
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	11/14/2018 12:33	11/14/2018 23:09	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
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	11/14/2018 12:33	11/14/2018 23:09	LLJ
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	11/14/2018 12:33	11/14/2018 23:09	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
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	11/14/2018 12:33	11/14/2018 23:09	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ



Sample Information

Client Sample ID: WQ110118:1310NP1-1-2

York Sample ID: 18K0194-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18K0194

31401451.000 task 01.00

Water

November 1, 2018 1:10 pm

11/06/2018

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	11/14/2018 12:33	11/14/2018 23:09	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
67-66-3	Chloroform	0.290		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
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	11/14/2018 12:33	11/14/2018 23:09	LLJ
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	11/14/2018 12:33	11/14/2018 23:09	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
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	11/14/2018 12:33	11/14/2018 23:09	LLJ



Sample Information

Client Sample ID: WQ110118:1310NP1-1-2

York Sample ID: 18K0194-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18K0194

31401451.000 task 01.00

Water

November 1, 2018 1:10 pm

11/06/2018

Volatile Organics, 8260 List - Low Level

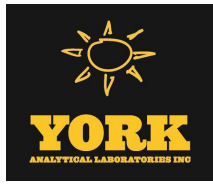
Log-in Notes:

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	11/14/2018 12:33	11/14/2018 23:09	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
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	11/14/2018 12:33	11/14/2018 23:09	LLJ
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	11/14/2018 12:33	11/14/2018 23:09	LLJ
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/14/2018 12:33	11/14/2018 23:09	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/14/2018 12:33	11/14/2018 23:09	LLJ

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	112 %	70-130
2037-26-5	Surrogate: SURRE: Toluene-d8	108 %	70-130
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	81.5 %	70-130



Analytical Batch Summary

Batch ID: BK80724

Preparation Method: EPA 5030B

Prepared By: TMP

YORK Sample ID	Client Sample ID	Preparation Date
18K0194-01	WQ110118:1230FRW-1	11/14/18
18K0194-02	WQ110118:1235FRW-2	11/14/18
18K0194-03	WQ110118:1240FRW-3	11/14/18
18K0194-04	WQ110118:1245FRW-4	11/14/18
18K0194-05	WQ110118:1310NP1-1-2	11/14/18
BK80724-BLK1	Blank	11/14/18
BK80724-BS1	LCS	11/14/18
BK80724-BSD1	LCS Dup	11/14/18



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 BK80724 - EPA 5030B

Blank (BK80724-BLK1)

Prepared & Analyzed: 11/14/2018

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-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 BK80724 - EPA 5030B

Blank (BK80724-BLK1)

Prepared & Analyzed: 11/14/2018

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: SURR: 1,2-Dichloroethane-d4</i>	10.8		"	10.0		108	70-130				
<i>Surrogate: SURR: Toluene-d8</i>	11.2		"	10.0		112	70-130				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	8.11		"	10.0		81.1	70-130				

LCS (BK80724-BS1)

Prepared & Analyzed: 11/14/2018

1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126			30	
1,1,1-Trichloroethane	11.0		"	10.0		110	70-130			20	
1,1,2,2-Tetrachloroethane	8.92		"	10.0		89.2	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	10.9		"	10.0		109	70-130			20	
1,1-Dichloroethane	11.0		"	10.0		110	70-130			20	
1,1-Dichloroethylene	10.8		"	10.0		108	70-130			20	
1,1-Dichloropropylene	10.4		"	10.0		104	83-133			30	
1,2,3-Trichlorobenzene	8.59		"	10.0		85.9	70-130			20	
1,2,3-Trichloropropane	9.26		"	10.0		92.6	77-128			30	
1,2,4-Trichlorobenzene	8.50		"	10.0		85.0	70-130			20	
1,2,4-Trimethylbenzene	9.73		"	10.0		97.3	82-132			20	
1,2-Dibromo-3-chloropropane	9.20		"	10.0		92.0	40-160			20	
1,2-Dibromoethane	10.6		"	10.0		106	70-130			20	
1,2-Dichlorobenzene	10.2		"	10.0		102	70-130			20	
1,2-Dichloroethane	10.9		"	10.0		109	70-130			20	
1,2-Dichloropropane	11.8		"	10.0		118	70-130			20	
1,3,5-Trimethylbenzene	9.59		"	10.0		95.9	80-131			30	
1,3-Dichlorobenzene	9.74		"	10.0		97.4	70-130			20	
1,3-Dichloropropane	10.9		"	10.0		109	81-125			30	
1,4-Dichlorobenzene	9.83		"	10.0		98.3	70-130			20	
2,2-Dichloropropane	12.0		"	10.0		120	56-150			30	
2-Chlorotoluene	9.37		"	10.0		93.7	79-130			30	
2-Hexanone	10.4		"	10.0		104	40-160			20	
4-Chlorotoluene	9.43		"	10.0		94.3	79-128			30	
Acetone	12.6		"	10.0		126	40-160			20	
Benzene	10.8		"	10.0		108	70-130			20	
Bromobenzene	8.87		"	10.0		88.7	78-129			30	
Bromochloromethane	10.9		"	10.0		109	70-130			20	
Bromodichloromethane	11.9		"	10.0		119	70-130			20	
Bromoform	8.29		"	10.0		82.9	70-130			20	
Bromomethane	8.99		"	10.0		89.9	40-160			20	



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 BK80724 - EPA 5030B

LCS (BK80724-BS1)

Prepared & Analyzed: 11/14/2018

Carbon tetrachloride	10.6		ug/L	10.0		106	70-130				20
Chlorobenzene	9.94		"	10.0		99.4	70-130				20
Chloroethane	8.81		"	10.0		88.1	40-160				20
Chloroform	11.2		"	10.0		112	70-130				20
Chloromethane	7.09		"	10.0		70.9	40-160				20
cis-1,2-Dichloroethylene	11.0		"	10.0		110	70-130				20
cis-1,3-Dichloropropylene	11.6		"	10.0		116	70-130				20
Dibromochloromethane	10.3		"	10.0		103	70-130				20
Dibromomethane	11.7		"	10.0		117	72-134				30
Dichlorodifluoromethane	5.02		"	10.0		50.2	40-160				20
Ethyl Benzene	10.5		"	10.0		105	70-130				20
Hexachlorobutadiene	7.93		"	10.0		79.3	67-146				30
Isopropylbenzene	9.97		"	10.0		99.7	70-130				20
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	70-130				20
Methylene chloride	10.5		"	10.0		105	70-130				20
Naphthalene	9.24		"	10.0		92.4	70-147				30
n-Butylbenzene	9.71		"	10.0		97.1	79-132				30
n-Propylbenzene	9.68		"	10.0		96.8	78-133				30
o-Xylene	10.1		"	10.0		101	70-130				20
p- & m- Xylenes	20.6		"	20.0		103	70-130				20
p-Isopropyltoluene	9.43		"	10.0		94.3	81-136				30
sec-Butylbenzene	9.16		"	10.0		91.6	79-137				30
Styrene	9.75		"	10.0		97.5	70-130				20
tert-Butylbenzene	9.18		"	10.0		91.8	77-138				30
Tetrachloroethylene	9.87		"	10.0		98.7	70-130				20
Toluene	11.2		"	10.0		112	70-130				20
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130				20
trans-1,3-Dichloropropylene	10.9		"	10.0		109	70-130				20
Trichloroethylene	11.4		"	10.0		114	70-130				20
Trichlorofluoromethane	11.7		"	10.0		117	40-160				20
Vinyl Chloride	8.22		"	10.0		82.2	70-130				20
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>11.1</i>		<i>"</i>	<i>10.0</i>		<i>111</i>	<i>70-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>70-130</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.03</i>		<i>"</i>	<i>10.0</i>		<i>90.3</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 BK80724 - EPA 5030B											
LCS Dup (BK80724-BSD1)											
										Prepared & Analyzed: 11/14/2018	
1,1,1,2-Tetrachloroethane	11.4		ug/L	10.0		114	82-126		7.54	30	
1,1,1-Trichloroethane	12.2		"	10.0		122	70-130		11.0	20	
1,1,2,2-Tetrachloroethane	9.05		"	10.0		90.5	70-130		1.45	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.5		"	10.0		135	70-130	High Bias	18.5	20	
1,1,2-Trichloroethane	11.6		"	10.0		116	70-130		5.42	20	
1,1-Dichloroethane	11.9		"	10.0		119	70-130		8.12	20	
1,1-Dichloroethylene	12.0		"	10.0		120	70-130		10.4	20	
1,1-Dichloropropylene	11.7		"	10.0		117	83-133		11.5	30	
1,2,3-Trichlorobenzene	8.72		"	10.0		87.2	70-130		1.50	20	
1,2,3-Trichloropropane	9.40		"	10.0		94.0	77-128		1.50	30	
1,2,4-Trichlorobenzene	8.99		"	10.0		89.9	70-130		5.60	20	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132		6.08	20	
1,2-Dibromo-3-chloropropane	9.59		"	10.0		95.9	40-160		4.15	20	
1,2-Dibromoethane	11.2		"	10.0		112	70-130		6.33	20	
1,2-Dichlorobenzene	10.9		"	10.0		109	70-130		6.62	20	
1,2-Dichloroethane	12.1		"	10.0		121	70-130		10.1	20	
1,2-Dichloropropane	12.6		"	10.0		126	70-130		6.97	20	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	80-131		6.65	30	
1,3-Dichlorobenzene	10.4		"	10.0		104	70-130		6.07	20	
1,3-Dichloropropane	11.7		"	10.0		117	81-125		6.72	30	
1,4-Dichlorobenzene	10.4		"	10.0		104	70-130		5.64	20	
2,2-Dichloropropane	13.1		"	10.0		131	56-150		8.74	30	
2-Chlorotoluene	9.87		"	10.0		98.7	79-130		5.20	30	
2-Hexanone	10.5		"	10.0		105	40-160		0.191	20	
4-Chlorotoluene	9.83		"	10.0		98.3	79-128		4.15	30	
Acetone	12.3		"	10.0		123	40-160		2.48	20	
Benzene	11.6		"	10.0		116	70-130		7.43	20	
Bromobenzene	9.24		"	10.0		92.4	78-129		4.09	30	
Bromochloromethane	11.8		"	10.0		118	70-130		7.82	20	
Bromodichloromethane	12.7		"	10.0		127	70-130		6.34	20	
Bromoform	8.27		"	10.0		82.7	70-130		0.242	20	
Bromomethane	11.4		"	10.0		114	40-160		23.6	20	Non-dir.
Carbon tetrachloride	12.1		"	10.0		121	70-130		13.9	20	
Chlorobenzene	10.6		"	10.0		106	70-130		6.61	20	
Chloroethane	10.0		"	10.0		100	40-160		13.1	20	
Chloroform	12.0		"	10.0		120	70-130		7.17	20	
Chloromethane	8.05		"	10.0		80.5	40-160		12.7	20	
cis-1,2-Dichloroethylene	11.7		"	10.0		117	70-130		6.45	20	
cis-1,3-Dichloropropylene	12.4		"	10.0		124	70-130		7.33	20	
Dibromochloromethane	10.7		"	10.0		107	70-130		3.90	20	
Dibromomethane	12.4		"	10.0		124	72-134		5.75	30	
Dichlorodifluoromethane	8.62		"	10.0		86.2	40-160		52.8	20	Non-dir.
Ethyl Benzene	11.4		"	10.0		114	70-130		8.23	20	
Hexachlorobutadiene	8.43		"	10.0		84.3	67-146		6.11	30	
Isopropylbenzene	10.6		"	10.0		106	70-130		6.41	20	
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	70-130		5.03	20	
Methylene chloride	11.1		"	10.0		111	70-130		5.84	20	
Naphthalene	9.36		"	10.0		93.6	70-147		1.29	30	
n-Butylbenzene	10.8		"	10.0		108	79-132		10.8	30	
n-Propylbenzene	10.4		"	10.0		104	78-133		6.98	30	
o-Xylene	10.6		"	10.0		106	70-130		5.41	20	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

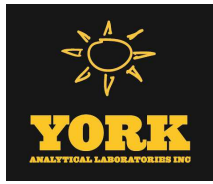
Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	Flag	RPD	RPD	Limit	Flag
		Limit			Result	Limits			RPD		

Batch BK80724 - EPA 5030B

LCS Dup (BK80724-BSD1)

Prepared & Analyzed: 11/14/2018

p- & m- Xylenes	22.3		ug/L	20.0		111	70-130		8.03	20	
p-Isopropyltoluene	10.2		"	10.0		102	81-136		7.65	30	
sec-Butylbenzene	10.1		"	10.0		101	79-137		9.37	30	
Styrene	10.2		"	10.0		102	70-130		4.02	20	
tert-Butylbenzene	9.93		"	10.0		99.3	77-138		7.85	30	
Tetrachloroethylene	11.0		"	10.0		110	70-130		11.2	20	
Toluene	12.3		"	10.0		123	70-130		9.60	20	
trans-1,2-Dichloroethylene	11.2		"	10.0		112	70-130		9.27	20	
trans-1,3-Dichloropropylene	11.6		"	10.0		116	70-130		5.87	20	
Trichloroethylene	12.5		"	10.0		125	70-130		8.85	20	
Trichlorofluoromethane	14.2		"	10.0		142	40-160		19.9	20	
Vinyl Chloride	9.85		"	10.0		98.5	70-130		18.0	20	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.8</i>		<i>"</i>	<i>10.0</i>		<i>108</i>	<i>70-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</i>	<i>70-130</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>8.85</i>		<i>"</i>	<i>10.0</i>		<i>88.5</i>	<i>70-130</i>				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18K0194-01	WQ110118:1230FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18K0194-02	WQ110118:1235FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18K0194-03	WQ110118:1240FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18K0194-04	WQ110118:1245FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18K0194-05	WQ110118:1310NP1-1-2	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).

Definitions and Other Explanations

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

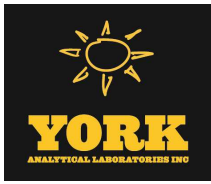
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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



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Field Chain-of-Custody Record

Page 1 of 1

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. 18K0194

YOUR INFORMATION		Report to:		Invoice To:		Your Project ID		Turn-Around Time		Report/Deliverable Type	
Company:	WSP USA	SAME <input checked="" type="checkbox"/>	SAME <input checked="" type="checkbox"/>	31401451.000 task		31401451.000 task		RUSH-Same Day	Summary Report X, PDF		
Address:	4 Research Drive	Name:		Purchase Order #		Purchase Order #		RUSH-Next Day	QA Report X, PDF		
Suite:	301, Shelton CT 06484	Company:		31401451.000 task		31401451.000 task		RUSH-Two Day	CT RCP		
Phone:	203.929.8555	Address:		Samples from CT_NY_x_NJ_		Samples from CT_NY_x_NJ_		RUSH-Three Day	CT RCP DQA/DUE Pkg		
Contact:	Tunde Sandor	E-mail:	tunde.sandor@wsp.com					RUSH-Four Day	NY ASP A Package X, PDF		
E-mail:								Standard (5-7day)	NY ASP B Package X, PDF		
									NJDEP Reduced Deliv		

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)
[Signature]
Name (printed)
Evan Foster

Volatiles	Semi-Vols.	Metals	Misc. Org.	Full Lists
8260 full	8270 or 625	RCA8	TPH GRO	Phl.Poill.
624	STARS list	PP13 list	TPH DRO	TCL Organics
STARS list	BN Only	TAL	CT ETH	TAL MethCN
BTEX	Acids Only	CT RCP	NY 310-13	Full TCLP
MTBE	PAH list	App. IX	TPH 1664	Full App. IX
TCL list	TAGM list	Site Spec.	Air TO14A	Part360:Roate
TAGM list	CT RCP list	SPL or TCLP	Air TO15	Part360:Roate
CT RCP list	TCL list	Dissolved	Air STARS	Part360:Roate
Aron. only	524.2	SPL or TCLP	Air VPH	Part360:Roate
Halog. only	NJDEP list	Inhib. Metals	Air TICs	NYCDEP:Soar
App. IX list	App. IX list	LEFT Below	Methane	NYCDEP:Soar
8021B list	TCLP BNA	Heptium	Heptium	TAGM
	SPL or TCLP			

Sample Identification	Date/Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
WQ110118: 1230 FRW-1	11-17-18	GW	VOCs 8260 full plus freon 113	3 JUGS
: 1235 FRW-2				
: 1240 FRW-3				
: 1245 FRW-4				
: 1310 NPI-2				11/6/18 1:15

Preservation (check all applicable)	4°C <input checked="" type="checkbox"/> Frozen <input type="checkbox"/> HCl <input type="checkbox"/> MeOH <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ O ₂ <input type="checkbox"/> NaOH <input type="checkbox"/>
Special Instructions	Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>
Samples Relinquished By	11-2-18 800
Samples Relinquished By	11-2-18 800
Samples Relinquished By	11-2-18 800
Samples Relinquished By	11-2-18 800