

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	---	---
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	0.252	ND<0.278
2-Jul-18	6.8	114	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.50	0.127
28-Aug-18	6.9	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.124	0.125
21-Sep-18	6.8	155	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	7.48	0.0369
5-Oct-18	6.9	145	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.66	ND<0.278
1-Nov-18	6.8	193	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.838	ND<0.278
5-Dec-18	6.9	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.845	ND<0.278
3-Jan-19	6.9	85	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.32	ND<0.278
1-Feb-19	6.9	126	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.641	ND<0.278
1-Mar-19	6.9	142	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	6.31	ND<0.278
2-Apr-19	6.9	153	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.27	ND<0.278
6-May-19	6.9	175	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.374	ND<0.278
4-Jun-19	6.0	139	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.620	ND<0.278

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 NA: Not Analyzed

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

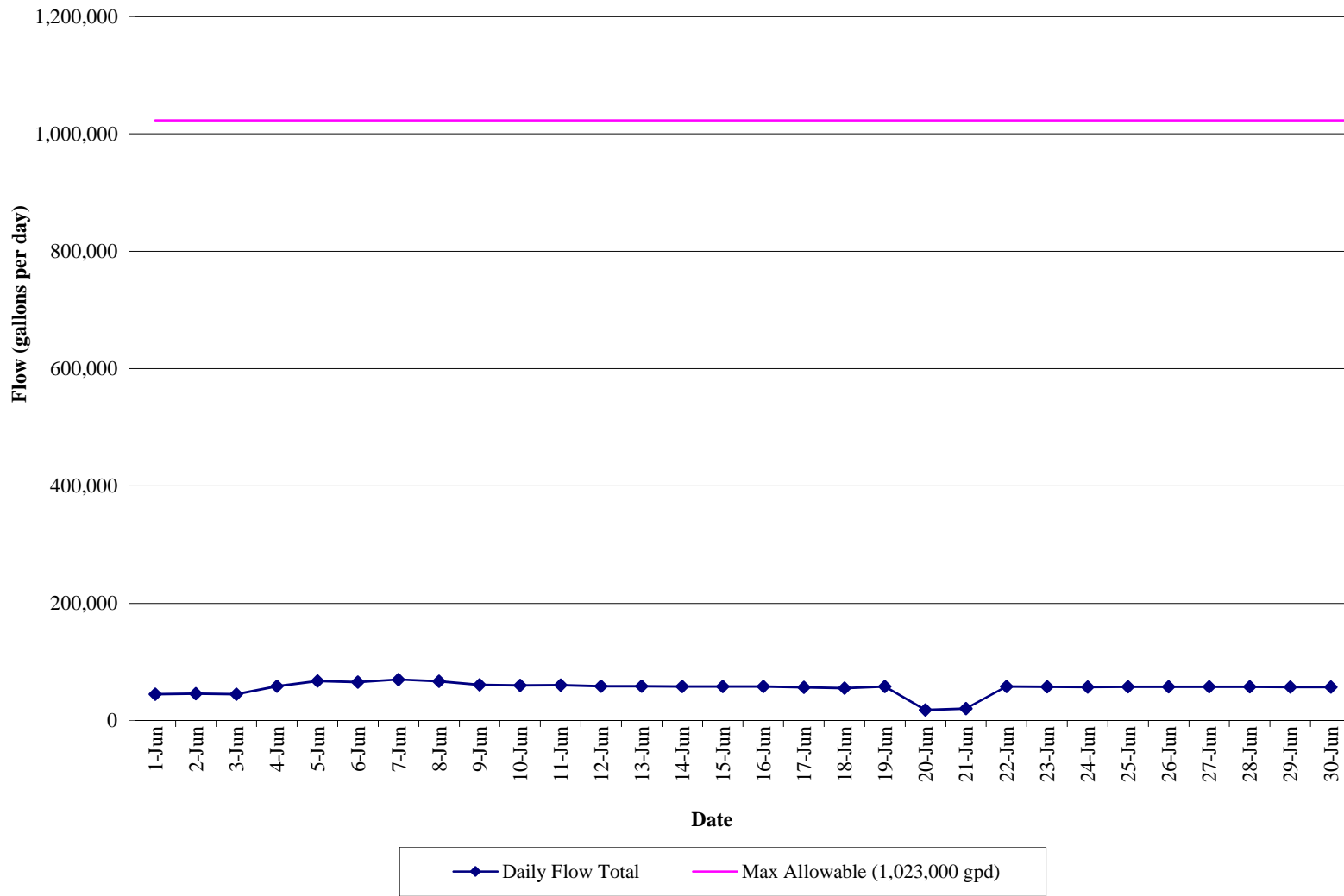
trans-1,2,-DCE: trans-1,2-Dichloroethene

Notes:

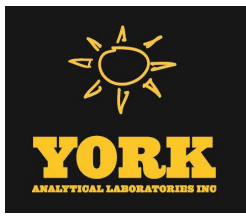
- Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5. The pH of the effluent sample collected on June 18, 2019 was 6.0. Historic pH measurements from recovery wells indicate that natural background pH concentrations are less than 6.5.
- "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.
- 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.
- 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
(June 1, 2019 to June 30, 2019)



APPENDIX I
JUNE 2019 LABORATORY ANALYTICAL REPORTS
FOR FSP&T SYSTEM



Technical Report

prepared for:

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

Report Date: 06/12/2019
Client Project ID: Rowe Industries
York Project (SDG) No.: 19F0119

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: 06/12/2019
Client Project ID: Rowe Industries
York Project (SDG) No.: 19F0119

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 June 05, 2019 and listed below. The project was identified as your project: **Rowe Industries**.

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>
19F0119-01	WQ060419: 1210 NP2-6	Water	06/04/2019	06/05/2019
19F0119-02	WQ060419: 1215 NP2-10	Water	06/04/2019	06/05/2019

General Notes for York Project (SDG) No.: 19F0119

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: 06/12/2019





Sample Information

Client Sample ID: WQ060419: 1210 NP2-6

York Sample ID: 19F0119-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
19F0119	Rowe Industries	Water	June 4, 2019 12:10 pm	06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	06/10/2019 07:30	06/10/2019 17:08	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS



Sample Information

Client Sample ID: WQ060419: 1210 NP2-6

York Sample ID: 19F0119-01

York Project (SDG) No. 19F0119

Client Project ID Rowe Industries

Matrix Water

Collection Date/Time June 4, 2019 12:10 pm

Date Received 06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows list various chemical compounds like 2-Chlorotoluene, 2-Hexanone, etc., with their respective results and certification details.



Sample Information

Client Sample ID: WQ060419: 1210 NP2-6

York Sample ID: 19F0119-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19F0119

Rowe Industries

Water

June 4, 2019 12:10 pm

06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:08	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	06/10/2019 07:30	06/10/2019 17:08	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.8 %	70-130								
2037-26-5	Surrogate: SURR: Toluene-d8	99.8 %	70-130								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %	70-130								



Sample Information

Client Sample ID: WQ060419: 1215 NP2-10

York Sample ID: 19F0119-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19F0119

Rowe Industries

Water

June 4, 2019 12:15 pm

06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	06/10/2019 07:30	06/10/2019 17:37	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS



Sample Information

Client Sample ID: WQ060419: 1215 NP2-10

York Sample ID: 19F0119-02

York Project (SDG) No.
19F0119

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 4, 2019 12:15 pm

Date Received
06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS



Sample Information

Client Sample ID: WQ060419: 1215 NP2-10

York Sample ID: 19F0119-02

York Project (SDG) No.
19F0119

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 4, 2019 12:15 pm

Date Received
06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 07:30	06/10/2019 17:37	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	06/10/2019 07:30	06/10/2019 17:37	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	93.0 %	70-130
2037-26-5	Surrogate: SURRE: Toluene-d8	99.0 %	70-130
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	106 %	70-130

Iron by EPA 200.7

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ060419: 1215 NP2-10

York Sample ID: 19F0119-02

<u>York Project (SDG) No.</u> 19F0119	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> June 4, 2019 12:15 pm	<u>Date Received</u> 06/05/2019
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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	0.620		mg/L	0.278	1	EPA 200.7	06/07/2019 12:30	06/07/2019 19:43	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	06/11/2019 12:47	06/12/2019 11:27	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	139		mg/L	10.0	1	SM 2540C	06/06/2019 19:11	06/07/2019 22:40	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Analytical Batch Summary

Batch ID: BF90339 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
19F0119-02	WQ060419: 1215 NP2-10	06/06/19
BF90339-BLK1	Blank	06/06/19

Batch ID: BF90386 **Preparation Method:** EPA 200.7 **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19F0119-02	WQ060419: 1215 NP2-10	06/07/19
BF90386-BLK1	Blank	06/07/19
BF90386-BS1	LCS	06/07/19

Batch ID: BF90428 **Preparation Method:** EPA 5030B **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
19F0119-01	WQ060419: 1210 NP2-6	06/10/19
19F0119-02	WQ060419: 1215 NP2-10	06/10/19
BF90428-BLK1	Blank	06/10/19
BF90428-BS1	LCS	06/10/19
BF90428-BSD1	LCS Dup	06/10/19

Batch ID: BF90527 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19F0119-02	WQ060419: 1215 NP2-10	06/11/19
BF90527-BLK1	Blank	06/11/19
BF90527-BS1	LCS	06/11/19



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF90428 - EPA 5030B

Blank (BF90428-BLK1)

Prepared & Analyzed: 06/10/2019

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	2.00	"								
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	2.00	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
2,2-Dichloropropane	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
Acetone	ND	2.00	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF90428 - EPA 5030B

Blank (BF90428-BLK1)

Prepared & Analyzed: 06/10/2019

n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<hr/>											
Surrogate: SURR: 1,2-Dichloroethane-d4	9.62		"	10.0		96.2	70-130				
Surrogate: SURR: Toluene-d8	9.93		"	10.0		99.3	70-130				
Surrogate: SURR: p-Bromofluorobenzene	10.5		"	10.0		105	70-130				

LCS (BF90428-BS1)

Prepared & Analyzed: 06/10/2019

1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126				30
1,1,1-Trichloroethane	10.4		"	10.0		104	70-130				20
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	70-130				20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.1		"	10.0		121	70-130				20
1,1,2-Trichloroethane	9.49		"	10.0		94.9	70-130				20
1,1-Dichloroethane	10.6		"	10.0		106	70-130				20
1,1-Dichloroethylene	11.7		"	10.0		117	70-130				20
1,1-Dichloropropylene	10.3		"	10.0		103	83-133				30
1,2,3-Trichlorobenzene	10.1		"	10.0		101	70-130				20
1,2,3-Trichloropropane	10.2		"	10.0		102	77-128				30
1,2,4-Trichlorobenzene	10.1		"	10.0		101	70-130				20
1,2,4-Trimethylbenzene	10.7		"	10.0		107	82-132				20
1,2-Dibromo-3-chloropropane	9.73		"	10.0		97.3	40-160				20
1,2-Dibromoethane	9.82		"	10.0		98.2	70-130				20
1,2-Dichlorobenzene	10.2		"	10.0		102	70-130				20
1,2-Dichloroethane	9.55		"	10.0		95.5	70-130				20
1,2-Dichloropropane	9.97		"	10.0		99.7	70-130				20
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131				30
1,3-Dichlorobenzene	10.3		"	10.0		103	70-130				20
1,3-Dichloropropane	9.75		"	10.0		97.5	81-125				30
1,4-Dichlorobenzene	10.2		"	10.0		102	70-130				20
2,2-Dichloropropane	11.2		"	10.0		112	56-150				30
2-Chlorotoluene	10.8		"	10.0		108	79-130				30
2-Hexanone	9.67		"	10.0		96.7	40-160				20
4-Chlorotoluene	10.5		"	10.0		105	79-128				30
Acetone	9.34		"	10.0		93.4	40-160				20
Benzene	10.6		"	10.0		106	70-130				20
Bromobenzene	10.4		"	10.0		104	78-129				30
Bromochloromethane	10.3		"	10.0		103	70-130				20
Bromodichloromethane	10.0		"	10.0		100	70-130				20



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF90428 - EPA 5030B

LCS (BF90428-BS1)

Prepared & Analyzed: 06/10/2019

Bromoform	9.61		ug/L	10.0		96.1	70-130			20	
Bromomethane	10.8		"	10.0		108	40-160			20	
Carbon tetrachloride	10.7		"	10.0		107	70-130			20	
Chlorobenzene	10.1		"	10.0		101	70-130			20	
Chloroethane	11.9		"	10.0		119	40-160			20	
Chloroform	10.2		"	10.0		102	70-130			20	
Chloromethane	12.2		"	10.0		122	40-160			20	
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130			20	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130			20	
Dibromochloromethane	9.89		"	10.0		98.9	70-130			20	
Dibromomethane	9.55		"	10.0		95.5	72-134			30	
Dichlorodifluoromethane	9.31		"	10.0		93.1	40-160			20	
Ethyl Benzene	10.6		"	10.0		106	70-130			20	
Hexachlorobutadiene	10.4		"	10.0		104	67-146			30	
Isopropylbenzene	11.0		"	10.0		110	70-130			20	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	70-130			20	
Methylene chloride	11.7		"	10.0		117	70-130			20	
Naphthalene	9.98		"	10.0		99.8	70-147			30	
n-Butylbenzene	10.8		"	10.0		108	79-132			30	
n-Propylbenzene	11.3		"	10.0		113	78-133			30	
o-Xylene	10.4		"	10.0		104	70-130			20	
p- & m- Xylenes	21.4		"	20.0		107	70-130			20	
p-Isopropyltoluene	11.1		"	10.0		111	81-136			30	
sec-Butylbenzene	11.8		"	10.0		118	79-137			30	
Styrene	10.4		"	10.0		104	70-130			20	
tert-Butylbenzene	10.9		"	10.0		109	77-138			30	
Tetrachloroethylene	8.32		"	10.0		83.2	70-130			20	
Toluene	10.4		"	10.0		104	70-130			20	
trans-1,2-Dichloroethylene	11.5		"	10.0		115	70-130			20	
trans-1,3-Dichloropropylene	9.62		"	10.0		96.2	70-130			20	
Trichloroethylene	10.2		"	10.0		102	70-130			20	
Trichlorofluoromethane	12.4		"	10.0		124	40-160			20	
Vinyl Chloride	11.7		"	10.0		117	70-130			20	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	9.49		"	10.0		94.9	70-130				
<i>Surrogate: SURR: Toluene-d8</i>	9.95		"	10.0		99.5	70-130				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	10.5		"	10.0		105	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF90428 - EPA 5030B											
LCS Dup (BF90428-BSD1)											
Prepared & Analyzed: 06/10/2019											
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126		1.57	30	
1,1,1-Trichloroethane	9.62		"	10.0		96.2	70-130		7.79	20	
1,1,2,2-Tetrachloroethane	11.9		"	10.0		119	70-130		12.5	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.99		"	10.0		99.9	70-130		19.2	20	
1,1,2-Trichloroethane	9.85		"	10.0		98.5	70-130		3.72	20	
1,1-Dichloroethane	9.91		"	10.0		99.1	70-130		7.01	20	
1,1-Dichloroethylene	9.71		"	10.0		97.1	70-130		18.8	20	
1,1-Dichloropropylene	9.68		"	10.0		96.8	83-133		5.82	30	
1,2,3-Trichlorobenzene	10.1		"	10.0		101	70-130		0.198	20	
1,2,3-Trichloropropane	11.7		"	10.0		117	77-128		14.1	30	
1,2,4-Trichlorobenzene	9.81		"	10.0		98.1	70-130		2.71	20	
1,2,4-Trimethylbenzene	10.9		"	10.0		109	82-132		1.66	20	
1,2-Dibromo-3-chloropropane	9.90		"	10.0		99.0	40-160		1.73	20	
1,2-Dibromoethane	10.1		"	10.0		101	70-130		2.61	20	
1,2-Dichlorobenzene	9.99		"	10.0		99.9	70-130		1.79	20	
1,2-Dichloroethane	9.58		"	10.0		95.8	70-130		0.314	20	
1,2-Dichloropropane	10.0		"	10.0		100	70-130		0.799	20	
1,3,5-Trimethylbenzene	11.3		"	10.0		113	80-131		4.42	30	
1,3-Dichlorobenzene	10.0		"	10.0		100	70-130		3.05	20	
1,3-Dichloropropane	10.1		"	10.0		101	81-125		3.53	30	
1,4-Dichlorobenzene	9.77		"	10.0		97.7	70-130		4.70	20	
2,2-Dichloropropane	10.4		"	10.0		104	56-150		7.47	30	
2-Chlorotoluene	11.4		"	10.0		114	79-130		5.57	30	
2-Hexanone	11.2		"	10.0		112	40-160		14.5	20	
4-Chlorotoluene	11.2		"	10.0		112	79-128		6.08	30	
Acetone	9.65		"	10.0		96.5	40-160		3.26	20	
Benzene	9.93		"	10.0		99.3	70-130		6.34	20	
Bromobenzene	11.4		"	10.0		114	78-129		9.13	30	
Bromochloromethane	10.2		"	10.0		102	70-130		0.681	20	
Bromodichloromethane	10.1		"	10.0		101	70-130		0.793	20	
Bromoform	9.66		"	10.0		96.6	70-130		0.519	20	
Bromomethane	8.53		"	10.0		85.3	40-160		23.9	20	Non-dir.
Carbon tetrachloride	9.78		"	10.0		97.8	70-130		9.36	20	
Chlorobenzene	9.83		"	10.0		98.3	70-130		2.31	20	
Chloroethane	9.94		"	10.0		99.4	40-160		18.0	20	
Chloroform	9.75		"	10.0		97.5	70-130		5.00	20	
Chloromethane	9.68		"	10.0		96.8	40-160		23.1	20	Non-dir.
cis-1,2-Dichloroethylene	9.92		"	10.0		99.2	70-130		4.72	20	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130		0.588	20	
Dibromochloromethane	10.0		"	10.0		100	70-130		1.21	20	
Dibromomethane	9.88		"	10.0		98.8	72-134		3.40	30	
Dichlorodifluoromethane	7.66		"	10.0		76.6	40-160		19.4	20	
Ethyl Benzene	10.2		"	10.0		102	70-130		4.22	20	
Hexachlorobutadiene	9.67		"	10.0		96.7	67-146		6.79	30	
Isopropylbenzene	11.4		"	10.0		114	70-130		3.12	20	
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	70-130		7.46	20	
Methylene chloride	10.3		"	10.0		103	70-130		12.7	20	
Naphthalene	10.5		"	10.0		105	70-147		4.79	30	
n-Butylbenzene	10.8		"	10.0		108	79-132		0.00	30	
n-Propylbenzene	11.7		"	10.0		117	78-133		2.96	30	



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 BF90428 - EPA 5030B

LCS Dup (BF90428-BSD1)

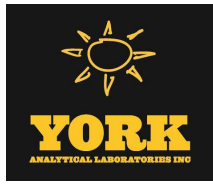
Prepared & Analyzed: 06/10/2019

o-Xylene	10.2		ug/L	10.0		102	70-130		2.52	20	
p- & m- Xylenes	20.8		"	20.0		104	70-130		2.89	20	
p-Isopropyltoluene	10.4		"	10.0		104	81-136		6.40	30	
sec-Butylbenzene	11.1		"	10.0		111	79-137		6.04	30	
Styrene	10.1		"	10.0		101	70-130		2.34	20	
tert-Butylbenzene	11.1		"	10.0		111	77-138		2.19	30	
Tetrachloroethylene	7.79		"	10.0		77.9	70-130		6.58	20	
Toluene	10.1		"	10.0		101	70-130		3.41	20	
trans-1,2-Dichloroethylene	9.68		"	10.0		96.8	70-130		17.0	20	
trans-1,3-Dichloropropylene	10.2		"	10.0		102	70-130		5.36	20	
Trichloroethylene	9.79		"	10.0		97.9	70-130		3.61	20	
Trichlorofluoromethane	10.1		"	10.0		101	40-160		20.3	20	Non-dir.
Vinyl Chloride	9.65		"	10.0		96.5	70-130		19.1	20	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.64</i>		<i>"</i>	<i>10.0</i>		<i>96.4</i>	<i>70-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.97</i>		<i>"</i>	<i>10.0</i>		<i>99.7</i>	<i>70-130</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>11.9</i>		<i>"</i>	<i>10.0</i>		<i>119</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 BF90386 - EPA 200.7											
Blank (BF90386-BLK1)											
Iron	ND	0.278	mg/L						Prepared & Analyzed: 06/07/2019		
LCS (BF90386-BS1)											
Iron	0.898		ug/mL	1.00		89.8	85-115		Prepared & Analyzed: 06/07/2019		
Batch BF90527 - EPA 3015A											
Blank (BF90527-BLK1)											
Iron - Dissolved	ND	0.278	mg/L						Prepared: 06/11/2019 Analyzed: 06/12/2019		
LCS (BF90527-BS1)											
Iron - Dissolved	0.980		ug/mL	1.00		98.0	80-120		Prepared: 06/11/2019 Analyzed: 06/12/2019		



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

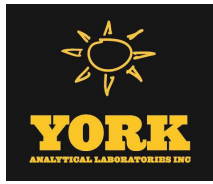
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF90339 - % Solids Prep

Blank (BF90339-BLK1)

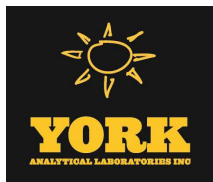
Prepared: 06/06/2019 Analyzed: 06/07/2019

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

Lab ID	Client Sample ID	Volatile Sample Container
19F0119-01	WQ060419: 1210 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19F0119-02	WQ060419: 1215 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QL-02 This LCS analyte is outside Laboratory Recovery limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- CCV-E The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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



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YORK
 ANALYTICAL LABORATORIES, INC.

Field Chain-of-Custody Record

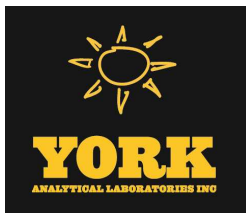
YORK Project No.
 19F0119

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

Page 1 of 1

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	WSP USA	Company:	Same	Company:	WSP USA Accounting	YOUR Project Name		RUSH - Next Day	
Address:	4 Research Dr. Ste 201	Address:		Address:		Rowe Industries		RUSH - Two Day	
Phone:	203-928-8555	Phone:		Phone:				RUSH - Three Day	
Contact:	Tunde Sandler	Contact:		Contact:				RUSH - Four Day	
E-mail:	Tunde.Sandler@wsp.com	E-mail:		E-mail:	WSPUSA Accounting	YOUR PO#: 31401451.000 Task 01		Standard (5-7 Day)	X
<p>Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.</p> <p>Scott Philbrick Samples Collected by: (print your name above and sign below) Scott Philbrick</p>									
Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.			
S - soil / solid	✓	New York	Summary Report DRF	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)			
GW - groundwater		New Jersey	QA Report	CT RCP DOA/DUE	EQUIS (Standard)				
DW - drinking water		Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQUIS				
WW - wastewater		Pennsylvania	NY ASP B Package	NJDKQP	NJDEP SRP HazSite				
O - Oil ; Other		Other			Other:				
Sample Matrix	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description					
GW	GW	06/04/19 12:10	VOC's 8260 Full List + Freon 113 (EPA SW845-8260's)	3 VOC's					
GW	GW	06/04/19 12:15	Fe by EPA 2007/Dissolved Fe by EPA 6010/Voc's fill + Freon 113/TDS	3 VOC's 3 plastic					
<p>Comments:</p> <p>Relinquished by / Company: [Signature] Date/Time: 2:15pm 6-4-19</p> <p>Relinquished by / Company: [Signature] Date/Time: 11-15 9/3/19</p> <p>Relinquished by / Company: [Signature] Date/Time: 6-4-19</p> <p>Relinquished by / Company: [Signature] Date/Time: 6/5/19 12:03</p> <p>Relinquished by / Company: [Signature] Date/Time: 7 Sep-6-5-19 12:03</p>									
<p>Preservation: (check all that apply)</p> <p>HCl <input checked="" type="checkbox"/> MeOH <input type="checkbox"/> HNO₃ <input checked="" type="checkbox"/> H₂SO₄ <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/></p> <p>Ascorbic Acid <input type="checkbox"/> Other: <u>cooling</u></p>									
<p>Field Filtered Lab to Filter</p>									

APPENDIX II
JUNE 2019 LABORATORY ANALYTICAL REPORTS
FOR FSP&T AND FP&T RECOVERY WELLS



Technical Report

prepared for:

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

Report Date: 06/11/2019
Client Project ID: Rowe Industries
York Project (SDG) No.: 19F0120

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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STRATFORD, CT 06615
(203) 325-1371

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

Report Date: 06/11/2019
Client Project ID: Rowe Industries
York Project (SDG) No.: 19F0120

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 June 05, 2019 and listed below. The project was identified as your project: **Rowe Industries**.

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>
19F0120-01	WQ060419:1100 FRW-1	Water	06/04/2019	06/05/2019
19F0120-02	WQ060419:1105 FRW-2	Water	06/04/2019	06/05/2019
19F0120-03	WQ060419:1110 FRW-3	Water	06/04/2019	06/05/2019
19F0120-04	WQ060419:1115 FRW-4	Water	06/04/2019	06/05/2019
19F0120-05	WQ060419:1200 NP1-1-2	Water	06/04/2019	06/05/2019

General Notes for York Project (SDG) No.: 19F0120

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: 06/11/2019





Sample Information

Client Sample ID: WQ060419:1100 FRW-1

York Sample ID: 19F0120-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19F0120	Rowe Industries	Water	June 4, 2019 11:00 am	06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	06/10/2019 12:30	06/11/2019 05:59	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS



Sample Information

Client Sample ID: WQ060419:1100 FRW-1

York Sample ID: 19F0120-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19F0120

Rowe Industries

Water

June 4, 2019 11:00 am

06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS



Sample Information

Client Sample ID: WQ060419:1100 FRW-1

York Sample ID: 19F0120-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19F0120

Rowe Industries

Water

June 4, 2019 11:00 am

06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
127-18-4	Tetrachloroethylene	11.3	CCV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 05:59	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	06/10/2019 12:30	06/11/2019 05:59	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	97.6 %	70-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	96.4 %	70-130								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	106 %	70-130								



Sample Information

Client Sample ID: WQ060419:1105 FRW-2

York Sample ID: 19F0120-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19F0120

Rowe Industries

Water

June 4, 2019 11:05 am

06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	06/10/2019 12:30	06/11/2019 06:28	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS



Sample Information

Client Sample ID: WQ060419:1105 FRW-2

York Sample ID: 19F0120-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19F0120

Rowe Industries

Water

June 4, 2019 11:05 am

06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
156-59-2	cis-1,2-Dichloroethylene	1.46		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS



Sample Information

Client Sample ID: WQ060419:1105 FRW-2

York Sample ID: 19F0120-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19F0120

Rowe Industries

Water

June 4, 2019 11:05 am

06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
127-18-4	Tetrachloroethylene	3.75	CCV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
79-01-6	Trichloroethylene	0.980		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:28	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	06/10/2019 12:30	06/11/2019 06:28	RDS
	Surrogate Recoveries	Result						Acceptance Range			
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	96.9 %						70-130			
2037-26-5	Surrogate: SURRE: Toluene-d8	99.5 %						70-130			
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	120 %						70-130			



Sample Information

Client Sample ID: WQ060419:1110 FRW-3

York Sample ID: 19F0120-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19F0120

Rowe Industries

Water

June 4, 2019 11:10 am

06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	06/10/2019 12:30	06/11/2019 06:57	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS



Sample Information

Client Sample ID: WQ060419:1110 FRW-3

York Sample ID: 19F0120-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19F0120

Rowe Industries

Water

June 4, 2019 11:10 am

06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
156-59-2	cis-1,2-Dichloroethylene	1.55		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS



Sample Information

Client Sample ID: WQ060419:1110 FRW-3

York Sample ID: 19F0120-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19F0120

Rowe Industries

Water

June 4, 2019 11:10 am

06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
127-18-4	Tetrachloroethylene	32.7	CCV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
79-01-6	Trichloroethylene	0.940		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 06:57	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	06/10/2019 12:30	06/11/2019 06:57	RDS
	Surrogate Recoveries	Result						Acceptance Range			
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	94.7 %						70-130			
2037-26-5	Surrogate: SURRE: Toluene-d8	98.4 %						70-130			
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	119 %						70-130			



Sample Information

Client Sample ID: WQ060419:1115 FRW-4

York Sample ID: 19F0120-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19F0120

Rowe Industries

Water

June 4, 2019 11:15 am

06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	06/10/2019 12:30	06/11/2019 07:25	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS



Sample Information

Client Sample ID: WQ060419:1115 FRW-4

York Sample ID: 19F0120-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19F0120

Rowe Industries

Water

June 4, 2019 11:15 am

06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
156-59-2	cis-1,2-Dichloroethylene	1.01		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS



Sample Information

Client Sample ID: WQ060419:1115 FRW-4

York Sample ID: 19F0120-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19F0120

Rowe Industries

Water

June 4, 2019 11:15 am

06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
127-18-4	Tetrachloroethylene	0.620	CCV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:25	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	06/10/2019 12:30	06/11/2019 07:25	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: <i>SURR: 1,2-Dichloroethane-d4</i>	96.0 %	70-130								
2037-26-5	Surrogate: <i>SURR: Toluene-d8</i>	104 %	70-130								
460-00-4	Surrogate: <i>SURR: p-Bromofluorobenzene</i>	111 %	70-130								



Sample Information

Client Sample ID: WQ060419:1200 NP1-1-2

York Sample ID: 19F0120-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19F0120

Rowe Industries

Water

June 4, 2019 12:00 pm

06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	06/10/2019 12:30	06/11/2019 07:54	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS



Sample Information

Client Sample ID: WQ060419:1200 NP1-1-2

York Sample ID: 19F0120-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19F0120

Rowe Industries

Water

June 4, 2019 12:00 pm

06/05/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS



Sample Information

Client Sample ID: WQ060419:1200 NP1-1-2

York Sample ID: 19F0120-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19F0120

Rowe Industries

Water

June 4, 2019 12:00 pm

06/05/2019

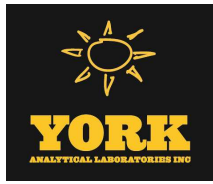
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/10/2019 12:30	06/11/2019 07:54	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	06/10/2019 12:30	06/11/2019 07:54	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	96.5 %	70-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	98.3 %	70-130								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	104 %	70-130								



Analytical Batch Summary

Batch ID: BF90449

Preparation Method: EPA 5030B

Prepared By: AB

YORK Sample ID	Client Sample ID	Preparation Date
19F0120-01	WQ060419:1100 FRW-1	06/10/19
19F0120-02	WQ060419:1105 FRW-2	06/10/19
19F0120-03	WQ060419:1110 FRW-3	06/10/19
19F0120-04	WQ060419:1115 FRW-4	06/10/19
19F0120-05	WQ060419:1200 NP1-1-2	06/10/19
BF90449-BLK1	Blank	06/10/19
BF90449-BS1	LCS	06/10/19
BF90449-BSD1	LCS Dup	06/10/19



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF90449 - EPA 5030B

Blank (BF90449-BLK1)

Prepared & Analyzed: 06/10/2019

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	2.00	"								
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	2.00	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
2,2-Dichloropropane	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
Acetone	ND	2.00	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF90449 - EPA 5030B

Blank (BF90449-BLK1)

Prepared & Analyzed: 06/10/2019

n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<hr/>											
Surrogate: SURR: 1,2-Dichloroethane-d4	9.59		"	10.0		95.9	70-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	70-130				
Surrogate: SURR: p-Bromofluorobenzene	10.9		"	10.0		109	70-130				

LCS (BF90449-BS1)

Prepared & Analyzed: 06/10/2019

1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126				30
1,1,1-Trichloroethane	10.2		"	10.0		102	70-130				20
1,1,2,2-Tetrachloroethane	11.2		"	10.0		112	70-130				20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	70-130				20
1,1,2-Trichloroethane	10.0		"	10.0		100	70-130				20
1,1-Dichloroethane	10.5		"	10.0		105	70-130				20
1,1-Dichloroethylene	10.4		"	10.0		104	70-130				20
1,1-Dichloropropylene	10.2		"	10.0		102	83-133				30
1,2,3-Trichlorobenzene	9.68		"	10.0		96.8	70-130				20
1,2,3-Trichloropropane	11.4		"	10.0		114	77-128				30
1,2,4-Trichlorobenzene	9.67		"	10.0		96.7	70-130				20
1,2,4-Trimethylbenzene	11.0		"	10.0		110	82-132				20
1,2-Dibromo-3-chloropropane	9.70		"	10.0		97.0	40-160				20
1,2-Dibromoethane	10.2		"	10.0		102	70-130				20
1,2-Dichlorobenzene	10.0		"	10.0		100	70-130				20
1,2-Dichloroethane	10.1		"	10.0		101	70-130				20
1,2-Dichloropropane	10.0		"	10.0		100	70-130				20
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131				30
1,3-Dichlorobenzene	9.93		"	10.0		99.3	70-130				20
1,3-Dichloropropane	10.4		"	10.0		104	81-125				30
1,4-Dichlorobenzene	9.84		"	10.0		98.4	70-130				20
2,2-Dichloropropane	8.23		"	10.0		82.3	56-150				30
2-Chlorotoluene	11.2		"	10.0		112	79-130				30
2-Hexanone	11.3		"	10.0		113	40-160				20
4-Chlorotoluene	10.9		"	10.0		109	79-128				30
Acetone	10.3		"	10.0		103	40-160				20
Benzene	10.5		"	10.0		105	70-130				20
Bromobenzene	11.3		"	10.0		113	78-129				30
Bromochloromethane	10.5		"	10.0		105	70-130				20
Bromodichloromethane	10.2		"	10.0		102	70-130				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 BF90449 - EPA 5030B											
LCS (BF90449-BS1)											
Prepared & Analyzed: 06/10/2019											
Bromoform	9.45		ug/L	10.0		94.5	70-130			20	
Bromomethane	7.18		"	10.0		71.8	40-160			20	
Carbon tetrachloride	10.3		"	10.0		103	70-130			20	
Chlorobenzene	10.1		"	10.0		101	70-130			20	
Chloroethane	10.6		"	10.0		106	40-160			20	
Chloroform	10.2		"	10.0		102	70-130			20	
Chloromethane	9.49		"	10.0		94.9	40-160			20	
cis-1,2-Dichloroethylene	10.1		"	10.0		101	70-130			20	
cis-1,3-Dichloropropylene	9.76		"	10.0		97.6	70-130			20	
Dibromochloromethane	10.1		"	10.0		101	70-130			20	
Dibromomethane	10.0		"	10.0		100	72-134			30	
Dichlorodifluoromethane	7.90		"	10.0		79.0	40-160			20	
Ethyl Benzene	10.5		"	10.0		105	70-130			20	
Hexachlorobutadiene	8.82		"	10.0		88.2	67-146			30	
Isopropylbenzene	11.5		"	10.0		115	70-130			20	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	70-130			20	
Methylene chloride	10.6		"	10.0		106	70-130			20	
Naphthalene	10.5		"	10.0		105	70-147			30	
n-Butylbenzene	10.2		"	10.0		102	79-132			30	
n-Propylbenzene	11.4		"	10.0		114	78-133			30	
o-Xylene	10.4		"	10.0		104	70-130			20	
p- & m- Xylenes	21.2		"	20.0		106	70-130			20	
p-Isopropyltoluene	10.2		"	10.0		102	81-136			30	
sec-Butylbenzene	11.6		"	10.0		116	79-137			30	
Styrene	10.4		"	10.0		104	70-130			20	
tert-Butylbenzene	11.1		"	10.0		111	77-138			30	
Tetrachloroethylene	8.11		"	10.0		81.1	70-130			20	
Toluene	10.5		"	10.0		105	70-130			20	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130			20	
trans-1,3-Dichloropropylene	9.59		"	10.0		95.9	70-130			20	
Trichloroethylene	10.6		"	10.0		106	70-130			20	
Trichlorofluoromethane	10.9		"	10.0		109	40-160			20	
Vinyl Chloride	10.0		"	10.0		100	70-130			20	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	9.78		"	10.0		97.8	70-130				
<i>Surrogate: SURR: Toluene-d8</i>	9.91		"	10.0		99.1	70-130				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	11.4		"	10.0		114	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF90449 - EPA 5030B											
LCS Dup (BF90449-BSD1)											
Prepared & Analyzed: 06/10/2019											
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126		0.594	30	
1,1,1-Trichloroethane	10.2		"	10.0		102	70-130		0.00	20	
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	70-130		7.81	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	70-130		1.43	20	
1,1,2-Trichloroethane	9.78		"	10.0		97.8	70-130		2.42	20	
1,1-Dichloroethane	10.3		"	10.0		103	70-130		1.92	20	
1,1-Dichloroethylene	10.1		"	10.0		101	70-130		3.12	20	
1,1-Dichloropropylene	9.96		"	10.0		99.6	83-133		2.48	30	
1,2,3-Trichlorobenzene	9.70		"	10.0		97.0	70-130		0.206	20	
1,2,3-Trichloropropane	10.2		"	10.0		102	77-128		10.3	30	
1,2,4-Trichlorobenzene	9.38		"	10.0		93.8	70-130		3.04	20	
1,2,4-Trimethylbenzene	9.93		"	10.0		99.3	82-132		10.0	20	
1,2-Dibromo-3-chloropropane	9.67		"	10.0		96.7	40-160		0.310	20	
1,2-Dibromoethane	10.2		"	10.0		102	70-130		0.197	20	
1,2-Dichlorobenzene	9.88		"	10.0		98.8	70-130		1.61	20	
1,2-Dichloroethane	9.90		"	10.0		99.0	70-130		1.70	20	
1,2-Dichloropropane	9.74		"	10.0		97.4	70-130		2.83	20	
1,3,5-Trimethylbenzene	9.90		"	10.0		99.0	80-131		12.1	30	
1,3-Dichlorobenzene	9.72		"	10.0		97.2	70-130		2.14	20	
1,3-Dichloropropane	10.0		"	10.0		100	81-125		3.34	30	
1,4-Dichlorobenzene	9.65		"	10.0		96.5	70-130		1.95	20	
2,2-Dichloropropane	8.12		"	10.0		81.2	56-150		1.35	30	
2-Chlorotoluene	10.0		"	10.0		100	79-130		11.2	30	
2-Hexanone	10.3		"	10.0		103	40-160		9.07	20	
4-Chlorotoluene	9.78		"	10.0		97.8	79-128		11.2	30	
Acetone	9.62		"	10.0		96.2	40-160		7.12	20	
Benzene	10.5		"	10.0		105	70-130		0.00	20	
Bromobenzene	10.1		"	10.0		101	78-129		11.1	30	
Bromochloromethane	10.5		"	10.0		105	70-130		0.0954	20	
Bromodichloromethane	9.86		"	10.0		98.6	70-130		3.29	20	
Bromoform	9.45		"	10.0		94.5	70-130		0.00	20	
Bromomethane	8.99		"	10.0		89.9	40-160		22.4	20	Non-dir.
Carbon tetrachloride	10.3		"	10.0		103	70-130		0.00	20	
Chlorobenzene	9.71		"	10.0		97.1	70-130		3.64	20	
Chloroethane	11.5		"	10.0		115	40-160		7.70	20	
Chloroform	10.3		"	10.0		103	70-130		0.390	20	
Chloromethane	10.8		"	10.0		108	40-160		12.8	20	
cis-1,2-Dichloroethylene	9.85		"	10.0		98.5	70-130		2.11	20	
cis-1,3-Dichloropropylene	9.46		"	10.0		94.6	70-130		3.12	20	
Dibromochloromethane	9.87		"	10.0		98.7	70-130		2.40	20	
Dibromomethane	9.92		"	10.0		99.2	72-134		0.803	30	
Dichlorodifluoromethane	8.45		"	10.0		84.5	40-160		6.73	20	
Ethyl Benzene	10.2		"	10.0		102	70-130		3.28	20	
Hexachlorobutadiene	8.05		"	10.0		80.5	67-146		9.13	30	
Isopropylbenzene	10.1		"	10.0		101	70-130		12.9	20	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	70-130		0.849	20	
Methylene chloride	10.6		"	10.0		106	70-130		0.472	20	
Naphthalene	10.3		"	10.0		103	70-147		2.40	30	
n-Butylbenzene	9.75		"	10.0		97.5	79-132		4.61	30	
n-Propylbenzene	10.2		"	10.0		102	78-133		11.3	30	



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

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

Batch BF90449 - EPA 5030B

LCS Dup (BF90449-BSD1)

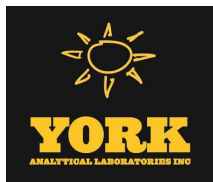
Prepared & Analyzed: 06/10/2019

o-Xylene	10.1		ug/L	10.0		101	70-130		2.82	20		
p- & m- Xylenes	20.4		"	20.0		102	70-130		3.60	20		
p-Isopropyltoluene	9.68		"	10.0		96.8	81-136		5.23	30		
sec-Butylbenzene	10.3		"	10.0		103	79-137		11.7	30		
Styrene	10.1		"	10.0		101	70-130		2.82	20		
tert-Butylbenzene	9.92		"	10.0		99.2	77-138		11.5	30		
Tetrachloroethylene	7.79		"	10.0		77.9	70-130		4.03	20		
Toluene	10.1		"	10.0		101	70-130		3.59	20		
trans-1,2-Dichloroethylene	9.92		"	10.0		99.2	70-130		2.29	20		
trans-1,3-Dichloropropylene	9.16		"	10.0		91.6	70-130		4.59	20		
Trichloroethylene	10.1		"	10.0		101	70-130		5.31	20		
Trichlorofluoromethane	12.1		"	10.0		121	40-160		10.6	20		
Vinyl Chloride	11.1		"	10.0		111	70-130		9.77	20		
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	9.73		"	10.0		97.3	70-130					
<i>Surrogate: SURR: Toluene-d8</i>	9.83		"	10.0		98.3	70-130					
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	10.4		"	10.0		104	70-130					



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19F0120-01	WQ060419:1100 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19F0120-02	WQ060419:1105 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19F0120-03	WQ060419:1110 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19F0120-04	WQ060419:1115 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19F0120-05	WQ060419:1200 NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QL-02 This LCS analyte is outside Laboratory Recovery limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- CCV-E The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

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

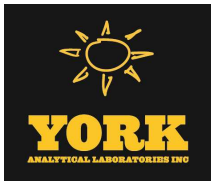
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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



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YORK
 ANALYTICAL LABORATORIES INC.

Field Chain-of-Custody Record

YORK Project No.
 19F0120

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

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YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: WSP USA	Company: Same	Company: WSP USA	Company: Accounting	Report / EDD Type: PDF	CT RCP	Standard Excel EDD	RUSH - Next Day	YORK Reg. Comp.	
Address: 4 Research Drive Ste 204	Address:	Address:	Address:	Summary Report	CT RCP DQA/DUE	EQULS (Standard)	RUSH - Two Day	Compared to the following Regulation(s): (please fill in)	
Phone: 203-929-8555	Phone:	Phone:	Phone:	QA Report	NJDEP Reduced Deliverables	NYSDEC EQUIS	RUSH - Three Day	3 VOC	
Contact: Tunde Sander	Contact:	Contact:	Contact:	NY ASP A Package	NJDKQP	NJDEP SRP HazSite	RUSH - Four Day	Task #1	
E-mail: Tunde.Sander@wsp.com	E-mail:	E-mail:	E-mail:	NY ASP B Package		Other:	Standard (5-7 Day)	X	
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.									
Samples Collected by: (print your name above and sign below)									
Scott Phibrick									
Subbing									
Sample Identification	Sample Matrix	Matrix Codes	Matrix Codes	Samples From	Report / EDD Type	Analysis Requested	Container Description		
WQ 060419 IF00 FRW-1	GW	S - soil / solid	GW - groundwater	New York	CT RCP	VOC 8260 Full List (EPA SW846-8260) + Feas 13	3 VOC		
1105 FRW-2	↓	GW - drinking water	DW - drinking water	New Jersey	CT RCP				
1110 FRW-3	↓	WW - wastewater	WW - wastewater	Connecticut	CT RCP				
1115 FRW-4	↓	O - Oil ; Other	O - Oil ; Other	Pennsylvania	CT RCP				
WQ 060419 1200 NPI-1-2	GW			Other	CT RCP				
Comments:									
Preservation: (check all that apply)									
HCl <input checked="" type="checkbox"/> MeOH <input checked="" type="checkbox"/> HNO3 <input checked="" type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/>									
Ascorbic Acid <input type="checkbox"/> Other: <input type="checkbox"/>									
Special Instruction									
Field Filtered Lab to Filter									
Date/Time									
Samples Relinquished by / Company									
Date/Time									
Samples Relinquished by / Company									
Date/Time									
Samples Relinquished by / Company									
Date/Time									
Samples Received in LAB by									
Date/Time									
Temp. Received at Lab									
Date/Time									
Temp. Received at Lab									
Date/Time									