

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	---	---
28-Aug-18	6.9	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.124	0.125
21-Sep-18	6.8	155	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	7.48	0.0369
5-Oct-18	6.9	145	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.66	ND<0.278
1-Nov-18	6.8	193	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.838	ND<0.278
5-Dec-18	6.9	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.845	ND<0.278
3-Jan-19	6.9	85	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.32	ND<0.278
1-Feb-19	6.9	126	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.641	ND<0.278
1-Mar-19	6.9	142	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	6.31	ND<0.278
2-Apr-19	6.9	153	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.27	ND<0.278
6-May-19	6.9	175	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.374	ND<0.278
4-Jun-19	6.0	139	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.620	ND<0.278
2-Jul-19	6.0	145	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	1.82 C,Q,B	ND<0.5	0.766	ND<0.278
1-Aug-19	6.8	168	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	1.30	1.24

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

C = CCV-E: The value reported is estimated The value is estimated due to its behavior during continuing calibration verification.

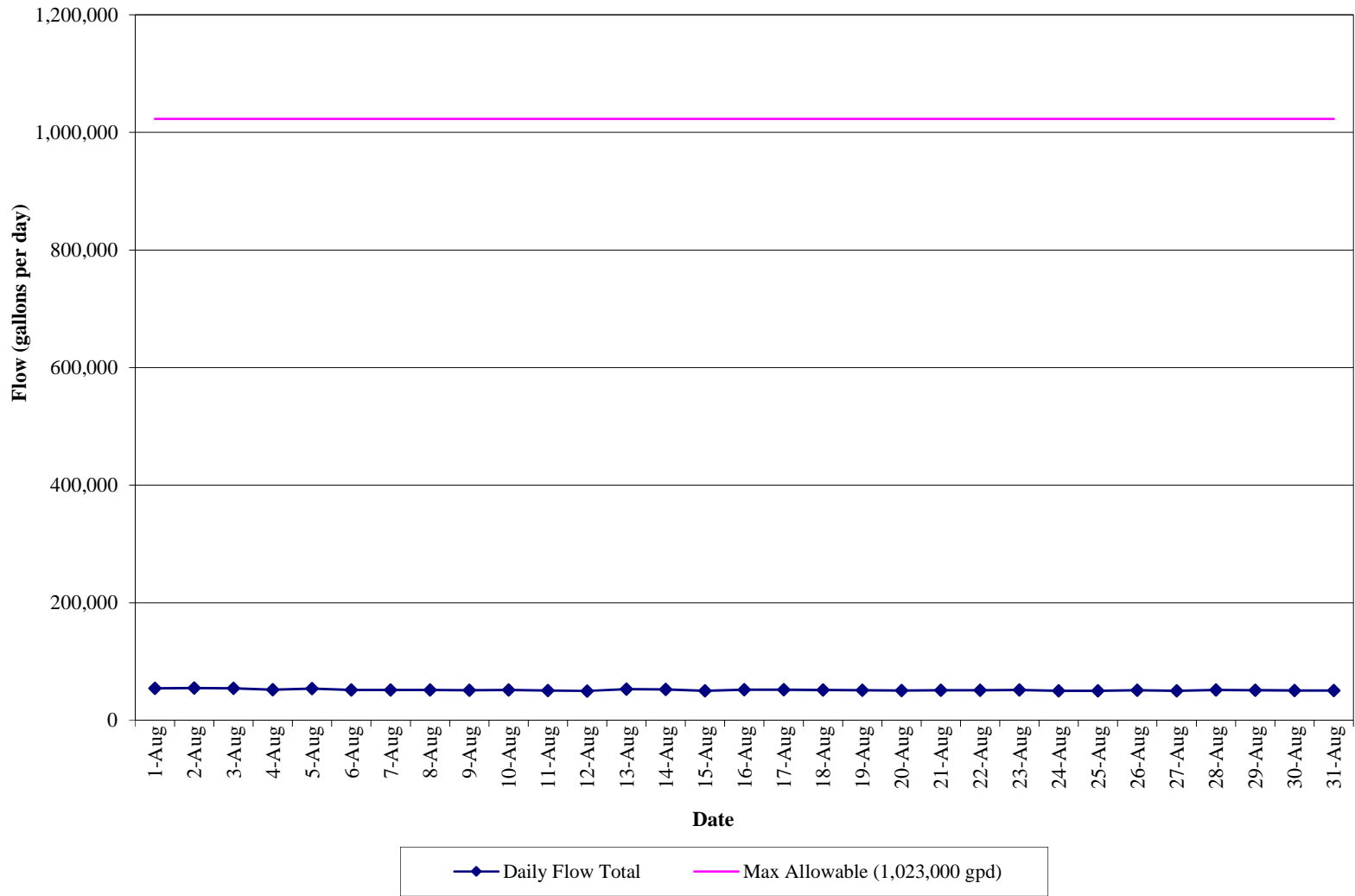
Q = QL-02: This LCS analyte is outside Laboratory Recovery limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

Notes:

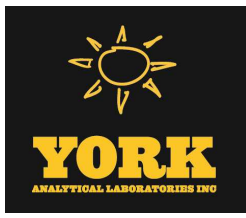
1. Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5. The pH of the effluent sample collected on June 18, 2019 was 6.0. Historic pH measurements from recovery wells indicate that natural background pH concentrations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

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

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



APPENDIX I
AUGUST 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: 08/09/2019
Client Project ID: 31401451.000 Task 01.00 Rowe Industries
York Project (SDG) No.: 19H0094

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: 08/09/2019
Client Project ID: 31401451.000 Task 01.00 Rowe Industries
York Project (SDG) No.: 19H0094

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 02, 2019 and listed below. The project was identified as your project: **31401451.000 Task 01.00 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>
19H0094-01	WQ080119:1300 NP2-6	Water	08/01/2019	08/02/2019
19H0094-02	WQ080119:1305 NP2-10	Water	08/01/2019	08/02/2019

General Notes for York Project (SDG) No.: 19H0094

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/09/2019





Sample Information

Client Sample ID: WQ080119:1300 NP2-6

York Sample ID: 19H0094-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19H0094	31401451.000 Task 01.00 Rowe Industries	Water	August 1, 2019 1:00 pm	08/02/2019

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	08/06/2019 07:30	08/07/2019 04:53	TMP
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	08/06/2019 07:30	08/07/2019 04:53	TMP
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	08/06/2019 07:30	08/07/2019 04:53	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
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	08/06/2019 07:30	08/07/2019 04:53	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/06/2019 07:30	08/07/2019 04:53	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
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	08/06/2019 07:30	08/07/2019 04:53	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
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	08/06/2019 07:30	08/07/2019 04:53	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP



Sample Information

Client Sample ID: WQ080119:1300 NP2-6

York Sample ID: 19H0094-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0094

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 1:00 pm

08/02/2019

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	08/06/2019 07:30	08/07/2019 04:53	TMP
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
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	08/06/2019 07:30	08/07/2019 04:53	TMP
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	08/06/2019 07:30	08/07/2019 04:53	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP



Sample Information

Client Sample ID: WQ080119:1300 NP2-6

York Sample ID: 19H0094-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0094

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 1:00 pm

08/02/2019

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	08/06/2019 07:30	08/07/2019 04:53	TMP
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
127-18-4	Tetrachloroethylene	0.520	QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
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	08/06/2019 07:30	08/07/2019 04:53	TMP
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	08/06/2019 07:30	08/07/2019 04:53	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:53	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/06/2019 07:30	08/07/2019 04:53	TMP
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	133 %	S-03	70-130							
2037-26-5	Surrogate: SURRE: Toluene-d8	94.9 %		70-130							
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	102 %		70-130							



Sample Information

Client Sample ID: WQ080119:1305 NP2-10

York Sample ID: 19H0094-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0094

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 1:05 pm

08/02/2019

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	08/06/2019 07:30	08/07/2019 05:20	TMP
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	08/06/2019 07:30	08/07/2019 05:20	TMP
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	08/06/2019 07:30	08/07/2019 05:20	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
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	08/06/2019 07:30	08/07/2019 05:20	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/06/2019 07:30	08/07/2019 05:20	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
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	08/06/2019 07:30	08/07/2019 05:20	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
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	08/06/2019 07:30	08/07/2019 05:20	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP



Sample Information

Client Sample ID: WQ080119:1305 NP2-10

York Sample ID: 19H0094-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0094

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 1:05 pm

08/02/2019

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	08/06/2019 07:30	08/07/2019 05:20	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
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	08/06/2019 07:30	08/07/2019 05:20	TMP
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	08/06/2019 07:30	08/07/2019 05:20	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
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	08/06/2019 07:30	08/07/2019 05:20	TMP



Sample Information

Client Sample ID: WQ080119:1305 NP2-10

York Sample ID: 19H0094-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0094

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 1:05 pm

08/02/2019

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

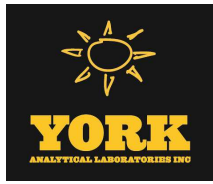
Sample Prepared by Method: EPA 5030B

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	08/06/2019 07:30	08/07/2019 05:20	TMP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
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	08/06/2019 07:30	08/07/2019 05:20	TMP
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	08/06/2019 07:30	08/07/2019 05:20	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 05:20	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/06/2019 07:30	08/07/2019 05:20	TMP
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	125 %			70-130						
2037-26-5	Surrogate: SURR: Toluene-d8	95.1 %			70-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %			70-130						

Iron by EPA 200.7

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ080119:1305 NP2-10

York Sample ID: 19H0094-02

<u>York Project (SDG) No.</u> 19H0094	<u>Client Project ID</u> 31401451.000 Task 01.00 Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 1, 2019 1:05 pm	<u>Date Received</u> 08/02/2019
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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	1.30		mg/L	0.278	1	EPA 200.7	08/05/2019 09:09	08/05/2019 15:52	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	1.24		mg/L	0.278	1	EPA 6010D	08/05/2019 12:24	08/07/2019 16:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	168		mg/L	10.0	1	SM 2540C	08/05/2019 16:22	08/05/2019 16:22	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Analytical Batch Summary

Batch ID: BH90099 **Preparation Method:** EPA 5030B **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
19H0094-01	WQ080119:1300 NP2-6	08/06/19
19H0094-02	WQ080119:1305 NP2-10	08/06/19
BH90099-BLK1	Blank	08/06/19
BH90099-BS1	LCS	08/06/19
BH90099-BSD1	LCS Dup	08/06/19

Batch ID: BH90168 **Preparation Method:** EPA 200.7 **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
19H0094-02	WQ080119:1305 NP2-10	08/05/19
BH90168-BLK1	Blank	08/05/19
BH90168-BS1	LCS	08/05/19

Batch ID: BH90189 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
19H0094-02	WQ080119:1305 NP2-10	08/05/19
BH90189-BLK1	Blank	08/05/19
BH90189-BS1	LCS	08/05/19

Batch ID: BH90215 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
19H0094-02	WQ080119:1305 NP2-10	08/05/19
BH90215-BLK1	Blank	08/05/19



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 BH90099 - EPA 5030B

Blank (BH90099-BLK1)

Prepared & Analyzed: 08/06/2019

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH90099 - EPA 5030B											
Blank (BH90099-BLK1)											
										Prepared & Analyzed: 08/06/2019	
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	11.5		"	10.0		115	70-130				
Surrogate: SURR: Toluene-d8	9.81		"	10.0		98.1	70-130				
Surrogate: SURR: p-Bromofluorobenzene	10.3		"	10.0		103	70-130				
<hr/>											
LCS (BH90099-BS1)											
										Prepared & Analyzed: 08/06/2019	
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126				30
1,1,1-Trichloroethane	11.5		"	10.0		115	70-130				20
1,1,2,2-Tetrachloroethane	9.99		"	10.0		99.9	70-130				20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	70-130				20
1,1,2-Trichloroethane	9.40		"	10.0		94.0	70-130				20
1,1-Dichloroethane	10.6		"	10.0		106	70-130				20
1,1-Dichloroethylene	11.4		"	10.0		114	70-130				20
1,1-Dichloropropylene	10.7		"	10.0		107	83-133				30
1,2,3-Trichlorobenzene	9.97		"	10.0		99.7	70-130				20
1,2,3-Trichloropropane	9.64		"	10.0		96.4	77-128				30
1,2,4-Trichlorobenzene	10.8		"	10.0		108	70-130				20
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132				20
1,2-Dibromo-3-chloropropane	12.3		"	10.0		123	40-160				20
1,2-Dibromoethane	9.13		"	10.0		91.3	70-130				20
1,2-Dichlorobenzene	10.6		"	10.0		106	70-130				20
1,2-Dichloroethane	11.2		"	10.0		112	70-130				20
1,2-Dichloropropane	8.89		"	10.0		88.9	70-130				20
1,3,5-Trimethylbenzene	11.6		"	10.0		116	80-131				30
1,3-Dichlorobenzene	10.4		"	10.0		104	70-130				20
1,3-Dichloropropane	9.46		"	10.0		94.6	81-125				30
1,4-Dichlorobenzene	10.3		"	10.0		103	70-130				20
2,2-Dichloropropane	19.2		"	10.0		192	56-150	High Bias			30
2-Chlorotoluene	10.3		"	10.0		103	79-130				30
2-Hexanone	10.2		"	10.0		102	40-160				20
4-Chlorotoluene	10.0		"	10.0		100	79-128				30
Acetone	8.73		"	10.0		87.3	40-160				20
Benzene	10.3		"	10.0		103	70-130				20
Bromobenzene	9.88		"	10.0		98.8	78-129				30
Bromochloromethane	11.0		"	10.0		110	70-130				20
Bromodichloromethane	10.6		"	10.0		106	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 BH90099 - EPA 5030B											
LCS (BH90099-BS1)											
Prepared & Analyzed: 08/06/2019											
Bromoform	10.5		ug/L	10.0	105	70-130				20	
Bromomethane	34.6		"	10.0	346	40-160	High Bias			20	
Carbon tetrachloride	12.9		"	10.0	129	70-130				20	
Chlorobenzene	9.92		"	10.0	99.2	70-130				20	
Chloroethane	7.46		"	10.0	74.6	40-160				20	
Chloroform	10.8		"	10.0	108	70-130				20	
Chloromethane	17.7		"	10.0	177	40-160	High Bias			20	
cis-1,2-Dichloroethylene	10.2		"	10.0	102	70-130				20	
cis-1,3-Dichloropropylene	10.8		"	10.0	108	70-130				20	
Dibromochloromethane	10.3		"	10.0	103	70-130				20	
Dibromomethane	10.5		"	10.0	105	72-134				30	
Dichlorodifluoromethane	17.8		"	10.0	178	40-160	High Bias			20	
Ethyl Benzene	10.0		"	10.0	100	70-130				20	
Hexachlorobutadiene	12.5		"	10.0	125	67-146				30	
Isopropylbenzene	9.81		"	10.0	98.1	70-130				20	
Methyl tert-butyl ether (MTBE)	9.98		"	10.0	99.8	70-130				20	
Methylene chloride	11.2		"	10.0	112	70-130				20	
Naphthalene	11.1		"	10.0	111	70-147				30	
n-Butylbenzene	9.66		"	10.0	96.6	79-132				30	
n-Propylbenzene	10.0		"	10.0	100	78-133				30	
o-Xylene	10.1		"	10.0	101	70-130				20	
p- & m- Xylenes	20.2		"	20.0	101	70-130				20	
p-Isopropyltoluene	10.7		"	10.0	107	81-136				30	
sec-Butylbenzene	10.7		"	10.0	107	79-137				30	
Styrene	10.3		"	10.0	103	70-130				20	
tert-Butylbenzene	10.4		"	10.0	104	77-138				30	
Tetrachloroethylene	7.42		"	10.0	74.2	70-130				20	
Toluene	9.84		"	10.0	98.4	70-130				20	
trans-1,2-Dichloroethylene	10.6		"	10.0	106	70-130				20	
trans-1,3-Dichloropropylene	10.4		"	10.0	104	70-130				20	
Trichloroethylene	9.50		"	10.0	95.0	70-130				20	
Trichlorofluoromethane	16.7		"	10.0	167	40-160	High Bias			20	
Vinyl Chloride	13.1		"	10.0	131	70-130	High Bias			20	
Surrogate: SURR: 1,2-Dichloroethane-d4	11.3		"	10.0	113	70-130					
Surrogate: SURR: Toluene-d8	9.70		"	10.0	97.0	70-130					
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0	101	70-130					



Volatile Organic Compounds by GC/MS - Quality Control Data

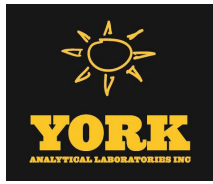
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH90099 - EPA 5030B											
LCS Dup (BH90099-BSD1)											
Prepared & Analyzed: 08/06/2019											
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126		1.41	30	
1,1,1-Trichloroethane	11.2		"	10.0		112	70-130		2.64	20	
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	70-130		1.39	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1		"	10.0		111	70-130		1.08	20	
1,1,2-Trichloroethane	9.23		"	10.0		92.3	70-130		1.83	20	
1,1-Dichloroethane	10.4		"	10.0		104	70-130		1.33	20	
1,1-Dichloroethylene	11.2		"	10.0		112	70-130		2.39	20	
1,1-Dichloropropylene	10.8		"	10.0		108	83-133		0.464	30	
1,2,3-Trichlorobenzene	11.4		"	10.0		114	70-130		13.5	20	
1,2,3-Trichloropropane	10.7		"	10.0		107	77-128		10.3	30	
1,2,4-Trichlorobenzene	9.94		"	10.0		99.4	70-130		8.11	20	
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132		1.38	20	
1,2-Dibromo-3-chloropropane	13.4		"	10.0		134	40-160		8.66	20	
1,2-Dibromoethane	9.83		"	10.0		98.3	70-130		7.38	20	
1,2-Dichlorobenzene	10.2		"	10.0		102	70-130		3.36	20	
1,2-Dichloroethane	11.7		"	10.0		117	70-130		4.89	20	
1,2-Dichloropropane	9.22		"	10.0		92.2	70-130		3.64	20	
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131		3.87	30	
1,3-Dichlorobenzene	9.93		"	10.0		99.3	70-130		4.43	20	
1,3-Dichloropropane	9.75		"	10.0		97.5	81-125		3.02	30	
1,4-Dichlorobenzene	9.81		"	10.0		98.1	70-130		4.48	20	
2,2-Dichloropropane	18.4		"	10.0		184	56-150	High Bias	4.05	30	
2-Chlorotoluene	9.96		"	10.0		99.6	79-130		3.55	30	
2-Hexanone	10.2		"	10.0		102	40-160		0.0978	20	
4-Chlorotoluene	9.69		"	10.0		96.9	79-128		3.65	30	
Acetone	9.92		"	10.0		99.2	40-160		12.8	20	
Benzene	10.2		"	10.0		102	70-130		1.56	20	
Bromobenzene	10.1		"	10.0		101	78-129		1.90	30	
Bromochloromethane	11.1		"	10.0		111	70-130		0.996	20	
Bromodichloromethane	10.9		"	10.0		109	70-130		3.26	20	
Bromoform	11.2		"	10.0		112	70-130		6.73	20	
Bromomethane	32.2		"	10.0		322	40-160	High Bias	7.24	20	
Carbon tetrachloride	13.0		"	10.0		130	70-130		0.616	20	
Chlorobenzene	9.89		"	10.0		98.9	70-130		0.303	20	
Chloroethane	8.54		"	10.0		85.4	40-160		13.5	20	
Chloroform	10.8		"	10.0		108	70-130		0.0927	20	
Chloromethane	16.6		"	10.0		166	40-160	High Bias	6.17	20	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	70-130		0.876	20	
cis-1,3-Dichloropropylene	11.4		"	10.0		114	70-130		5.41	20	
Dibromochloromethane	11.0		"	10.0		110	70-130		6.37	20	
Dibromomethane	11.0		"	10.0		110	72-134		4.38	30	
Dichlorodifluoromethane	17.1		"	10.0		171	40-160	High Bias	3.90	20	
Ethyl Benzene	10.1		"	10.0		101	70-130		0.598	20	
Hexachlorobutadiene	10.8		"	10.0		108	67-146		14.0	30	
Isopropylbenzene	9.48		"	10.0		94.8	70-130		3.42	20	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	70-130		6.40	20	
Methylene chloride	11.2		"	10.0		112	70-130		0.714	20	
Naphthalene	11.6		"	10.0		116	70-147		4.48	30	
n-Butylbenzene	7.77		"	10.0		77.7	79-132	Low Bias	21.7	30	
n-Propylbenzene	9.64		"	10.0		96.4	78-133		3.67	30	



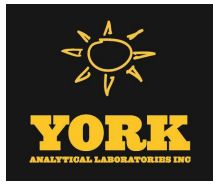
Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH90099 - EPA 5030B											
LCS Dup (BH90099-BSD1)											
Prepared & Analyzed: 08/06/2019											
o-Xylene	10.2		ug/L	10.0		102	70-130		0.885	20	
p- & m- Xylenes	20.4		"	20.0		102	70-130		1.18	20	
p-Isopropyltoluene	9.96		"	10.0		99.6	81-136		6.88	30	
sec-Butylbenzene	10.3		"	10.0		103	79-137		3.99	30	
Styrene	10.1		"	10.0		101	70-130		2.16	20	
tert-Butylbenzene	10.0		"	10.0		100	77-138		3.83	30	
Tetrachloroethylene	7.30		"	10.0		73.0	70-130		1.63	20	
Toluene	9.70		"	10.0		97.0	70-130		1.43	20	
trans-1,2-Dichloroethylene	10.6		"	10.0		106	70-130		0.282	20	
trans-1,3-Dichloropropylene	10.9		"	10.0		109	70-130		3.85	20	
Trichloroethylene	9.43		"	10.0		94.3	70-130		0.740	20	
Trichlorofluoromethane	16.1		"	10.0		161	40-160	High Bias	3.42	20	
Vinyl Chloride	12.3		"	10.0		123	70-130		6.36	20	
Surrogate: SURR: 1,2-Dichloroethane-d4	11.4		"	10.0		114	70-130				
Surrogate: SURR: Toluene-d8	9.90		"	10.0		99.0	70-130				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	70-130				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH90168 - EPA 200.7											
Blank (BH90168-BLK1)											
Iron	ND	0.278	mg/L								Prepared & Analyzed: 08/05/2019
LCS (BH90168-BS1)											
Iron	1.34		ug/mL	1.00		134	85-115	High Bias			Prepared & Analyzed: 08/05/2019
Batch BH90189 - EPA 3015A											
Blank (BH90189-BLK1)											
Iron - Dissolved	ND	0.278	mg/L								Prepared: 08/05/2019 Analyzed: 08/07/2019
LCS (BH90189-BS1)											
Iron - Dissolved	1.03		ug/mL	1.00		103	80-120				Prepared: 08/05/2019 Analyzed: 08/07/2019



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

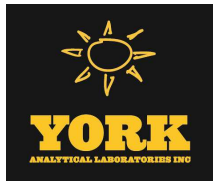
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH90215 - % Solids Prep

Blank (BH90215-BLK1)

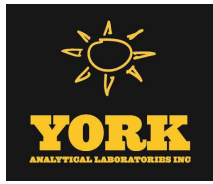
Prepared & Analyzed: 08/05/2019

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

Lab ID	Client Sample ID	Volatile Sample Container
19H0094-01	WQ080119:1300 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19H0094-02	WQ080119:1305 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

- S-03 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis.
- 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.

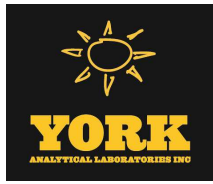
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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





YORK Analytical Laboratories, Inc.
 120 Research Drive
 Stratford, CT 06615
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 www.yorklab.com

Field Chain-of-Custody Record

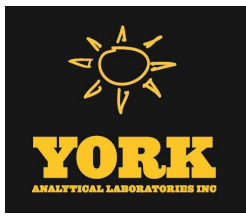
YORK Project No.
 19H0094

Page ___ of ___

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

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: WSP USA	Address: 4 Research Dr Suite 204 Shelton CT 06484	Company: Same	Address: Same	Company: Same	Address: Same	31401451.000	task 01.00	RUSH - Next Day	
Phone: 203.929.8555	Contact: Tunde Sandor	Phone: Same	Contact: Same	Phone: Same	Contact: Same			RUSH - Two Day	
E-mail: Tunde.Sandor@wsp.com		E-mail: Same	E-mail: Same	E-mail: Same	E-mail: Same			RUSH - Three Day	
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.						YOUR PO#: 31401451.000 task 01.00		RUSH - Four Day	
Tunde Sandor								Standard (5-7 Day)	X
Samples Collected by: (print your name above and sign below)								YORK Reg. Comp.	
Tunde Sandor								Compared to the following Regulation(s): (please fill in)	
TDS									
Sample Identification	Sample Matrix	Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analysis Requested	Container Description			
WQ080119:1300 NP2-6	GW	GW - groundwater	New York	<input checked="" type="checkbox"/> Summary Report <input type="checkbox"/> QA Report	VOCS 8260 full + freon 113	3 VOA			
WQ080119:1305 NP2-10	GW	DW - drinking water	New Jersey	<input type="checkbox"/> NY ASP A Package <input checked="" type="checkbox"/> NY ASP B Package	Fe by EPA 200.7; Fe dissolved by EPA 6010; VOCS 8260 full + freon 113; TDS	3 VOA			
		WW - wastewater	Connecticut			3 plastic			
		O - Oil ; Other	Pennsylvania						
			Other						
Comments:									
Samples Relinquished by / Company		Date/Time		Samples Relinquished by / Company		Date/Time		Special Instruction	
WSP USA		8/19/1055		WSP Field (w/ zc)		8/21/1100		Field Filtered Lab to Filter	
WSP USA		8/19/1100		WSP Field (w/ zc)		8/21/1100			
WSP USA		8/19/1100		WSP Field (w/ zc)		8/21/1100			
WSP USA		8/19/1100		WSP Field (w/ zc)		8/21/1100			

APPENDIX II
AUGUST 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: 10/11/2019
Client Project ID: 31401451.000 Task 01.00 Rowe Industries
York Project (SDG) No.: 19H0092

Revision No. 1.0

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 10/11/2019
Client Project ID: 31401451.000 Task 01.00 Rowe Industries
York Project (SDG) No.: 19H0092

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 02, 2019 and listed below. The project was identified as your project: **31401451.000 Task 01.00 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>
19H0092-01	WQ080119:1200 FRW-1	Water	08/01/2019	08/02/2019
19H0092-02	WQ080119:1205 FRW-2	Water	08/01/2019	08/02/2019
19H0092-03	WQ080119:1210 FRW-3	Water	08/01/2019	08/02/2019
19H0092-04	WQ080119:1215 FRW-4	Water	08/01/2019	08/02/2019
19H0092-05	WQ080119:1245 NP1-1-2	Water	08/01/2019	08/02/2019

General Notes for York Project (SDG) No.: 19H0092

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 10/11/2019





Sample Information

Client Sample ID: WQ080119:1200 FRW-1

York Sample ID: 19H0092-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19H0092	31401451.000 Task 01.00 Rowe Industries	Water	August 1, 2019 12:00 pm	08/02/2019

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	08/06/2019 07:30	08/07/2019 02:37	TMP
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	08/06/2019 07:30	08/07/2019 02:37	TMP
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	08/06/2019 07:30	08/07/2019 02:37	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
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	08/06/2019 07:30	08/07/2019 02:37	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/06/2019 07:30	08/07/2019 02:37	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
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	08/06/2019 07:30	08/07/2019 02:37	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
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	08/06/2019 07:30	08/07/2019 02:37	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP



Sample Information

Client Sample ID: WQ080119:1200 FRW-1

York Sample ID: 19H0092-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0092

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 12:00 pm

08/02/2019

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, Hexanone, etc., with their respective results and analysis details.



Sample Information

Client Sample ID: WQ080119:1200 FRW-1

York Sample ID: 19H0092-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0092

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 12:00 pm

08/02/2019

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	08/06/2019 07:30	08/07/2019 02:37	TMP
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
127-18-4	Tetrachloroethylene	9.39	QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
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	08/06/2019 07:30	08/07/2019 02:37	TMP
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	08/06/2019 07:30	08/07/2019 02:37	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 02:37	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/06/2019 07:30	08/07/2019 02:37	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	122 %	70-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	95.4 %	70-130								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	107 %	70-130								



Sample Information

Client Sample ID: WQ080119:1205 FRW-2

York Sample ID: 19H0092-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0092

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 12:05 pm

08/02/2019

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	08/06/2019 07:30	08/07/2019 03:04	TMP
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	08/06/2019 07:30	08/07/2019 03:04	TMP
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	08/06/2019 07:30	08/07/2019 03:04	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
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	08/06/2019 07:30	08/07/2019 03:04	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/06/2019 07:30	08/07/2019 03:04	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
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	08/06/2019 07:30	08/07/2019 03:04	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
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	08/06/2019 07:30	08/07/2019 03:04	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP



Sample Information

Client Sample ID: WQ080119:1205 FRW-2

York Sample ID: 19H0092-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0092

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 12:05 pm

08/02/2019

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	08/06/2019 07:30	08/07/2019 03:04	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
156-59-2	cis-1,2-Dichloroethylene	0.800	CCV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
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	08/06/2019 07:30	08/07/2019 03:04	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
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	08/06/2019 07:30	08/07/2019 03:04	TMP



Sample Information

Client Sample ID: WQ080119:1205 FRW-2

York Sample ID: 19H0092-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0092

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 12:05 pm

08/02/2019

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	08/06/2019 07:30	08/07/2019 03:04	TMP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
127-18-4	Tetrachloroethylene	1.58	QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
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	08/06/2019 07:30	08/07/2019 03:04	TMP
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	08/06/2019 07:30	08/07/2019 03:04	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:04	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/06/2019 07:30	08/07/2019 03:04	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	122 %	70-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	97.7 %	70-130								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	106 %	70-130								



Sample Information

Client Sample ID: WQ080119:1210 FRW-3

York Sample ID: 19H0092-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0092

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 12:10 pm

08/02/2019

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	08/06/2019 07:30	08/07/2019 03:31	TMP
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	08/06/2019 07:30	08/07/2019 03:31	TMP
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	08/06/2019 07:30	08/07/2019 03:31	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
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	08/06/2019 07:30	08/07/2019 03:31	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/06/2019 07:30	08/07/2019 03:31	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
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	08/06/2019 07:30	08/07/2019 03:31	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
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	08/06/2019 07:30	08/07/2019 03:31	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP



Sample Information

Client Sample ID: WQ080119:1210 FRW-3

York Sample ID: 19H0092-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0092

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 12:10 pm

08/02/2019

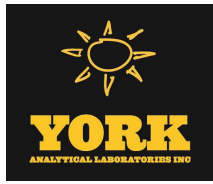
Volatile Organics, 8260 List - Low Level

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	08/06/2019 07:30	08/07/2019 03:31	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
156-59-2	cis-1,2-Dichloroethylene	3.38	CCV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
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	08/06/2019 07:30	08/07/2019 03:31	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
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	08/06/2019 07:30	08/07/2019 03:31	TMP



Sample Information

Client Sample ID: WQ080119:1210 FRW-3

York Sample ID: 19H0092-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0092

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 12:10 pm

08/02/2019

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	08/06/2019 07:30	08/07/2019 03:31	TMP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
127-18-4	Tetrachloroethylene	10.7	QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
108-88-3	Toluene	2.35		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
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	08/06/2019 07:30	08/07/2019 03:31	TMP
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	08/06/2019 07:30	08/07/2019 03:31	TMP
79-01-6	Trichloroethylene	0.620		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:31	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/06/2019 07:30	08/07/2019 03:31	TMP
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	123 %			70-130						
2037-26-5	Surrogate: SURRE: Toluene-d8	95.0 %			70-130						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	103 %			70-130						



Sample Information

Client Sample ID: WQ080119:1215 FRW-4

York Sample ID: 19H0092-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0092

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 12:15 pm

08/02/2019

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	08/06/2019 07:30	08/07/2019 03:58	TMP
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	08/06/2019 07:30	08/07/2019 03:58	TMP
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	08/06/2019 07:30	08/07/2019 03:58	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
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	08/06/2019 07:30	08/07/2019 03:58	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/06/2019 07:30	08/07/2019 03:58	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
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	08/06/2019 07:30	08/07/2019 03:58	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
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	08/06/2019 07:30	08/07/2019 03:58	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP



Sample Information

Client Sample ID: WQ080119:1215 FRW-4

York Sample ID: 19H0092-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0092

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 12:15 pm

08/02/2019

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	08/06/2019 07:30	08/07/2019 03:58	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
156-59-2	cis-1,2-Dichloroethylene	0.210	CCV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
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	08/06/2019 07:30	08/07/2019 03:58	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
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	08/06/2019 07:30	08/07/2019 03:58	TMP



Sample Information

Client Sample ID: WQ080119:1215 FRW-4

York Sample ID: 19H0092-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0092

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 12:15 pm

08/02/2019

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	08/06/2019 07:30	08/07/2019 03:58	TMP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
127-18-4	Tetrachloroethylene	0.450	QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
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	08/06/2019 07:30	08/07/2019 03:58	TMP
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	08/06/2019 07:30	08/07/2019 03:58	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 03:58	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/06/2019 07:30	08/07/2019 03:58	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	126 %	70-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	93.4 %	70-130								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	108 %	70-130								



Sample Information

Client Sample ID: WQ080119:1245 NP1-1-2

York Sample ID: 19H0092-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0092

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 12:45 pm

08/02/2019

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	08/06/2019 07:30	08/07/2019 04:26	TMP
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	08/06/2019 07:30	08/07/2019 04:26	TMP
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	08/06/2019 07:30	08/07/2019 04:26	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
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	08/06/2019 07:30	08/07/2019 04:26	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/06/2019 07:30	08/07/2019 04:26	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
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	08/06/2019 07:30	08/07/2019 04:26	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
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	08/06/2019 07:30	08/07/2019 04:26	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP



Sample Information

Client Sample ID: WQ080119:1245 NP1-1-2

York Sample ID: 19H0092-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0092

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 12:45 pm

08/02/2019

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	08/06/2019 07:30	08/07/2019 04:26	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
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	08/06/2019 07:30	08/07/2019 04:26	TMP
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	08/06/2019 07:30	08/07/2019 04:26	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
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	08/06/2019 07:30	08/07/2019 04:26	TMP



Sample Information

Client Sample ID: WQ080119:1245 NP1-1-2

York Sample ID: 19H0092-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19H0092

31401451.000 Task 01.00 Rowe Industries

Water

August 1, 2019 12:45 pm

08/02/2019

Volatile Organics, 8260 List - Low Level

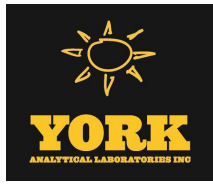
Log-in Notes:

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	08/06/2019 07:30	08/07/2019 04:26	TMP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
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	08/06/2019 07:30	08/07/2019 04:26	TMP
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	08/06/2019 07:30	08/07/2019 04:26	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/06/2019 07:30	08/07/2019 04:26	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/06/2019 07:30	08/07/2019 04:26	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	122 %	70-130
2037-26-5	Surrogate: SURR: Toluene-d8	94.0 %	70-130
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	70-130



Analytical Batch Summary

Batch ID: BH90099

Preparation Method: EPA 5030B

Prepared By: TMP

YORK Sample ID	Client Sample ID	Preparation Date
19H0092-01	WQ080119:1200 FRW-1	08/06/19
19H0092-02	WQ080119:1205 FRW-2	08/06/19
19H0092-03	WQ080119:1210 FRW-3	08/06/19
19H0092-04	WQ080119:1215 FRW-4	08/06/19
19H0092-05	WQ080119:1245 NP1-1-2	08/06/19
BH90099-BLK1	Blank	08/06/19
BH90099-BS1	LCS	08/06/19
BH90099-BSD1	LCS Dup	08/06/19



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 BH90099 - EPA 5030B

Blank (BH90099-BLK1)

Prepared & Analyzed: 08/06/2019

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



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

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

Batch BH90099 - EPA 5030B

Blank (BH90099-BLK1)

Prepared & Analyzed: 08/06/2019

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	"								
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Surrogate: SURR: 1,2-Dichloroethane-d4	11.5		"	10.0		115	69-130				
Surrogate: SURR: Toluene-d8	9.81		"	10.0		98.1	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.3		"	10.0		103	79-122				

LCS (BH90099-BS1)

Prepared & Analyzed: 08/06/2019

1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126				
1,1,1-Trichloroethane	11.5		"	10.0		115	78-136				
1,1,2,2-Tetrachloroethane	9.99		"	10.0		99.9	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165				
1,1,2-Trichloroethane	9.40		"	10.0		94.0	82-123				
1,1-Dichloroethane	10.6		"	10.0		106	82-129				
1,1-Dichloroethylene	11.4		"	10.0		114	68-138				
1,1-Dichloropropylene	10.7		"	10.0		107	83-133				
1,2,3-Trichlorobenzene	9.97		"	10.0		99.7	76-136				
1,2,3-Trichloropropane	9.64		"	10.0		96.4	77-128				
1,2,4-Trichlorobenzene	10.8		"	10.0		108	76-137				
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132				
1,2-Dibromo-3-chloropropane	12.3		"	10.0		123	45-147				
1,2-Dibromoethane	9.13		"	10.0		91.3	83-124				
1,2-Dichlorobenzene	10.6		"	10.0		106	79-123				
1,2-Dichloroethane	11.2		"	10.0		112	73-132				
1,2-Dichloropropane	8.89		"	10.0		88.9	78-126				
1,3,5-Trimethylbenzene	11.6		"	10.0		116	80-131				
1,3-Dichlorobenzene	10.4		"	10.0		104	86-122				
1,3-Dichloropropane	9.46		"	10.0		94.6	81-125				
1,4-Dichlorobenzene	10.3		"	10.0		103	85-124				
2,2-Dichloropropane	19.2		"	10.0		192	56-150	High Bias			
2-Chlorotoluene	10.3		"	10.0		103	79-130				
2-Hexanone	10.2		"	10.0		102	51-146				
4-Chlorotoluene	10.0		"	10.0		100	79-128				
Acetone	8.73		"	10.0		87.3	14-150				
Benzene	10.3		"	10.0		103	85-126				
Bromobenzene	9.88		"	10.0		98.8	78-129				
Bromochloromethane	11.0		"	10.0		110	77-128				
Bromodichloromethane	10.6		"	10.0		106	79-128				



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	
		Limit			Result				RPD	Limit

Batch BH90099 - EPA 5030B

LCS (BH90099-BS1)

Prepared & Analyzed: 08/06/2019

Bromoform	10.5		ug/L	10.0		105	78-133			
Bromomethane	34.6		"	10.0		346	43-168	High Bias		
Carbon tetrachloride	12.9		"	10.0		129	77-141			
Chlorobenzene	9.92		"	10.0		99.2	88-120			
Chloroethane	7.46		"	10.0		74.6	65-136			
Chloroform	10.8		"	10.0		108	82-128			
Chloromethane	17.7		"	10.0		177	43-155	High Bias		
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129			
cis-1,3-Dichloropropylene	10.8		"	10.0		108	80-131			
Dibromochloromethane	10.3		"	10.0		103	80-130			
Dibromomethane	10.5		"	10.0		105	72-134			
Dichlorodifluoromethane	17.8		"	10.0		178	44-144	High Bias		
Ethyl Benzene	10.0		"	10.0		100	80-131			
Hexachlorobutadiene	12.5		"	10.0		125	67-146			
Isopropylbenzene	9.81		"	10.0		98.1	76-140			
Methyl tert-butyl ether (MTBE)	9.98		"	10.0		99.8	76-135			
Methylene chloride	11.2		"	10.0		112	55-137			
Naphthalene	11.1		"	10.0		111	70-147			
n-Butylbenzene	9.66		"	10.0		96.6	79-132			
n-Propylbenzene	10.0		"	10.0		100	78-133			
o-Xylene	10.1		"	10.0		101	78-130			
p- & m- Xylenes	20.2		"	20.0		101	77-133			
p-Isopropyltoluene	10.7		"	10.0		107	81-136			
sec-Butylbenzene	10.7		"	10.0		107	79-137			
Styrene	10.3		"	10.0		103	67-132			
tert-Butylbenzene	10.4		"	10.0		104	77-138			
Tetrachloroethylene	7.42		"	10.0		74.2	82-131	Low Bias		
Toluene	9.84		"	10.0		98.4	80-127			
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132			
trans-1,3-Dichloropropylene	10.4		"	10.0		104	78-131			
Trichloroethylene	9.50		"	10.0		95.0	82-128			
Trichlorofluoromethane	16.7		"	10.0		167	67-139	High Bias		
Vinyl Chloride	13.1		"	10.0		131	58-145			
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Surrogate: SURRE: 1,2-Dichloroethane-d4	11.3		"	10.0		113	69-130			
Surrogate: SURRE: Toluene-d8	9.70		"	10.0		97.0	81-117			
Surrogate: SURRE: p-Bromofluorobenzene	10.1		"	10.0		101	79-122			



Volatile Organic Compounds by GC/MS - Quality Control Data

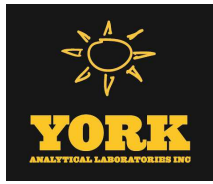
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH90099 - EPA 5030B											
LCS Dup (BH90099-BSD1)											
Prepared & Analyzed: 08/06/2019											
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126		1.41	30	
1,1,1-Trichloroethane	11.2		"	10.0		112	78-136		2.64	30	
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	76-129		1.39	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1		"	10.0		111	54-165		1.08	30	
1,1,2-Trichloroethane	9.23		"	10.0		92.3	82-123		1.83	30	
1,1-Dichloroethane	10.4		"	10.0		104	82-129		1.33	30	
1,1-Dichloroethylene	11.2		"	10.0		112	68-138		2.39	30	
1,1-Dichloropropylene	10.8		"	10.0		108	83-133		0.464	30	
1,2,3-Trichlorobenzene	11.4		"	10.0		114	76-136		13.5	30	
1,2,3-Trichloropropane	10.7		"	10.0		107	77-128		10.3	30	
1,2,4-Trichlorobenzene	9.94		"	10.0		99.4	76-137		8.11	30	
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132		1.38	30	
1,2-Dibromo-3-chloropropane	13.4		"	10.0		134	45-147		8.66	30	
1,2-Dibromoethane	9.83		"	10.0		98.3	83-124		7.38	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123		3.36	30	
1,2-Dichloroethane	11.7		"	10.0		117	73-132		4.89	30	
1,2-Dichloropropane	9.22		"	10.0		92.2	78-126		3.64	30	
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131		3.87	30	
1,3-Dichlorobenzene	9.93		"	10.0		99.3	86-122		4.43	30	
1,3-Dichloropropane	9.75		"	10.0		97.5	81-125		3.02	30	
1,4-Dichlorobenzene	9.81		"	10.0		98.1	85-124		4.48	30	
2,2-Dichloropropane	18.4		"	10.0		184	56-150	High Bias	4.05	30	
2-Chlorotoluene	9.96		"	10.0		99.6	79-130		3.55	30	
2-Hexanone	10.2		"	10.0		102	51-146		0.0978	30	
4-Chlorotoluene	9.69		"	10.0		96.9	79-128		3.65	30	
Acetone	9.92		"	10.0		99.2	14-150		12.8	30	
Benzene	10.2		"	10.0		102	85-126		1.56	30	
Bromobenzene	10.1		"	10.0		101	78-129		1.90	30	
Bromochloromethane	11.1		"	10.0		111	77-128		0.996	30	
Bromodichloromethane	10.9		"	10.0		109	79-128		3.26	30	
Bromoform	11.2		"	10.0		112	78-133		6.73	30	
Bromomethane	32.2		"	10.0		322	43-168	High Bias	7.24	30	
Carbon tetrachloride	13.0		"	10.0		130	77-141		0.616	30	
Chlorobenzene	9.89		"	10.0		98.9	88-120		0.303	30	
Chloroethane	8.54		"	10.0		85.4	65-136		13.5	30	
Chloroform	10.8		"	10.0		108	82-128		0.0927	30	
Chloromethane	16.6		"	10.0		166	43-155	High Bias	6.17	30	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	83-129		0.876	30	
cis-1,3-Dichloropropylene	11.4		"	10.0		114	80-131		5.41	30	
Dibromochloromethane	11.0		"	10.0		110	80-130		6.37	30	
Dibromomethane	11.0		"	10.0		110	72-134		4.38	30	
Dichlorodifluoromethane	17.1		"	10.0		171	44-144	High Bias	3.90	30	
Ethyl Benzene	10.1		"	10.0		101	80-131		0.598	30	
Hexachlorobutadiene	10.8		"	10.0		108	67-146		14.0	30	
Isopropylbenzene	9.48		"	10.0		94.8	76-140		3.42	30	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	76-135		6.40	30	
Methylene chloride	11.2		"	10.0		112	55-137		0.714	30	
Naphthalene	11.6		"	10.0		116	70-147		4.48	30	
n-Butylbenzene	7.77		"	10.0		77.7	79-132	Low Bias	21.7	30	
n-Propylbenzene	9.64		"	10.0		96.4	78-133		3.67	30	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH90099 - EPA 5030B											
LCS Dup (BH90099-BSD1)											
Prepared & Analyzed: 08/06/2019											
o-Xylene	10.2		ug/L	10.0		102	78-130		0.885	30	
p- & m- Xylenes	20.4		"	20.0		102	77-133		1.18	30	
p-Isopropyltoluene	9.96		"	10.0		99.6	81-136		6.88	30	
sec-Butylbenzene	10.3		"	10.0		103	79-137		3.99	30	
Styrene	10.1		"	10.0		101	67-132		2.16	30	
tert-Butylbenzene	10.0		"	10.0		100	77-138		3.83	30	
Tetrachloroethylene	7.30		"	10.0		73.0	82-131	Low Bias	1.63	30	
Toluene	9.70		"	10.0		97.0	80-127		1.43	30	
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132		0.282	30	
trans-1,3-Dichloropropylene	10.9		"	10.0		109	78-131		3.85	30	
Trichloroethylene	9.43		"	10.0		94.3	82-128		0.740	30	
Trichlorofluoromethane	16.1		"	10.0		161	67-139	High Bias	3.42	30	
Vinyl Chloride	12.3		"	10.0		123	58-145		6.36	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	11.4		"	10.0		114	69-130				
Surrogate: SURR: Toluene-d8	9.90		"	10.0		99.0	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19H0092-01	WQ080119:1200 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19H0092-02	WQ080119:1205 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19H0092-03	WQ080119:1210 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19H0092-04	WQ080119:1215 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19H0092-05	WQ080119:1245 NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

- QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- CCV-E The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

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

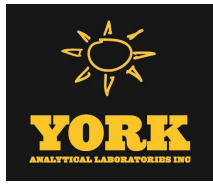
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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

Revision Description: This report has been revised to correct the LCS control limits.

