

TABLE

TABLE 2

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

Effluent Water Quality Results

Date Sampled ^{2/}	pH ^{1/}	TDS (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis- 1,2-DCE (ug/l)	trans- 1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethyl- benzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	6.5 to 8.5	---	5	5	5	5	5	5	5	5	5	5	5	---	10	7	---	---
1-Feb-17	6.5	120	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.17	0.051
1-Mar-17	6.5	149	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	0.69	0.063
7-Apr-17	6.5	157	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	3.62	0.060
3-May-17	6.5	121	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	0.90	0.079
1-Jun-17	6.5	127	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	0.10	0.097
6-Jul-17	6.5	159	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	0.46	ND<0.02
1-Aug-17	6.8	143	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	3.00	0.193
5-Sep-17	6.8	298	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.12	0.051
4-Oct-17	6.5	162	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.24	0.036
1-Nov-17	6.8	196	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	0.66	0.043
5-Dec-17	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<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.04	0.053
3-Jan-18	6.9	114	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.02	0.025
1-Feb-18	6.8	157	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	4.43	0.032

SPDES: State Pollutant Discharge Elimination System

mg/l: Milligrams per liter

ug/l: Micrograms per liter

---: Not established

J: Analyte detected below quantitation limits, value shown is a laboratory estimate.

B: Analyte was found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

ND: Not detected

NM: Not Measured

TDS: Total dissolved solids

PCE: Tetrachloroethylene

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

TCE: Trichloroethene

1,1-DCA: 1,1-Dichloroethane

1,1-DCE: 1,1-Dichloroethene

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

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

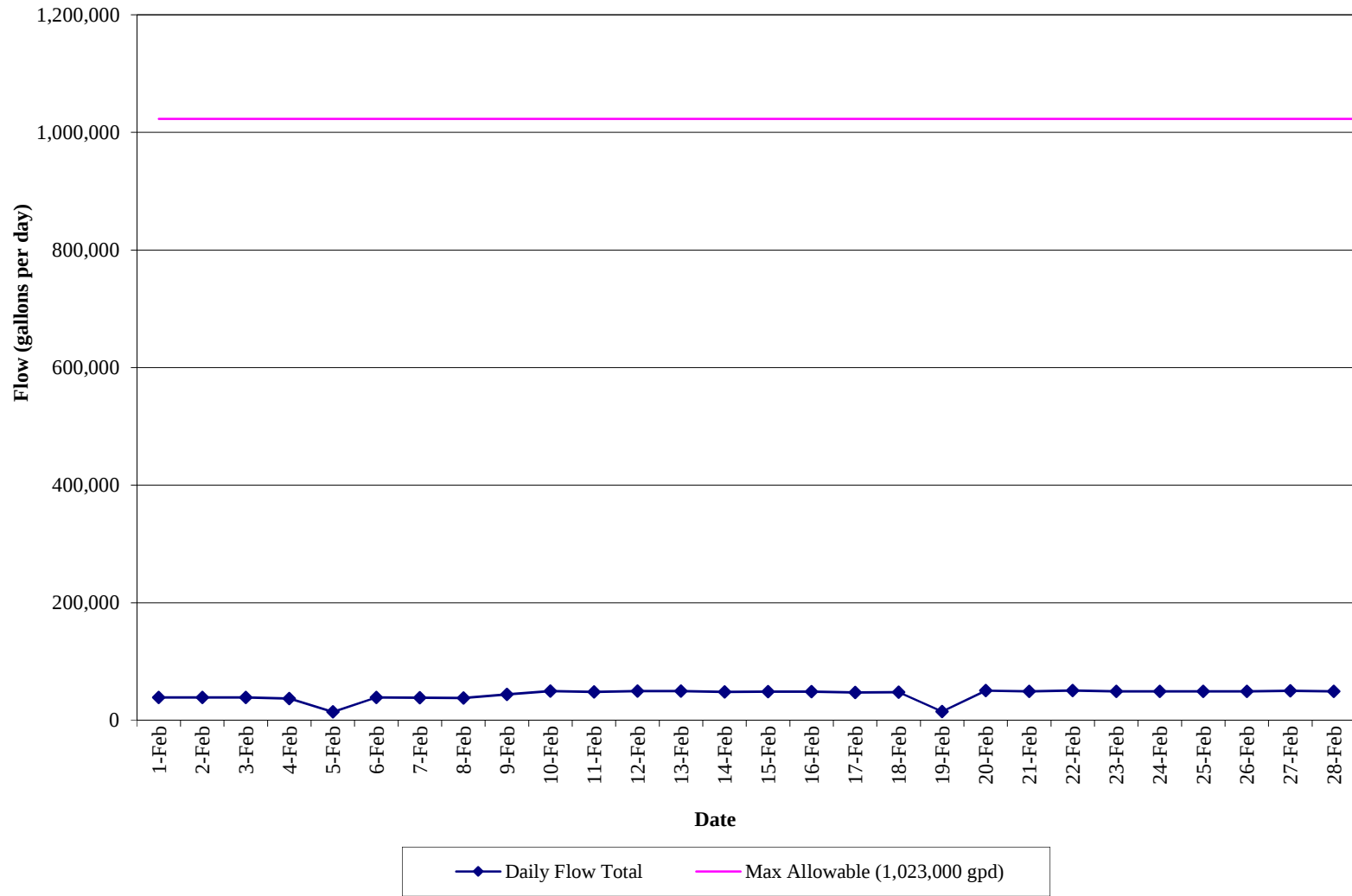
Notes:

1. Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5. The pH of the effluent sample collected on February 9, 2018 was 6.8.
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.

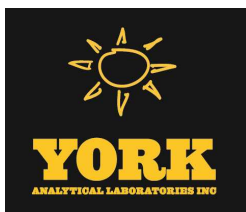
GRAPH

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

Effluent Flow Data
(February 1, 2018 to February 28, 2018)



APPENDIX I
FEBRUARY 2018 LABORATORY ANALYTICAL REPORTS
FOR FSP&T SYSTEM



Technical Report

prepared for:

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

Report Date: 02/15/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18B0137

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: 02/15/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18B0137

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 February 05, 2018 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18B0137-01	WQ020118: 1205 NP2-10	Water	02/01/2018	02/05/2018
18B0138-01	WQ020118: 1200 NP2-6	Water	02/01/2018	02/05/2018

General Notes for York Project (SDG) No.: 18B0137

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: 02/15/2018





Sample Information

Client Sample ID: WQ020118: 1205 NP2-10

York Sample ID: 18B0137-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18B0137

Rowe Industries

Water

February 1, 2018 12:00 pm

02/05/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/08/2018 07:30	02/08/2018 18:25	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR



Sample Information

Client Sample ID: WQ020118: 1205 NP2-10

York Sample ID: 18B0137-01

York Project (SDG) No.
18B0137

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:00 pm

Date Received
02/05/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
67-64-1	Acetone	1.0	SCAL- E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications:	02/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	02/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 18:25	SR



Sample Information

Client Sample ID: WQ020118: 1205 NP2-10

York Sample ID: 18B0137-01

York Project (SDG) No.
18B0137

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:00 pm

Date Received
02/05/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:25	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/08/2018 07:30	02/08/2018 18:25	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	119 %	69-130								
2037-26-5	Surrogate: Toluene-d8	94.9 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	90.4 %	79-122								

Iron by EPA 200.7

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ020118: 1205 NP2-10

York Sample ID: 18B0137-01

York Project (SDG) No.
18B0137

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:00 pm

Date Received
02/05/2018

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	4.43		mg/L	0.0222	1	EPA 200.7	02/07/2018 09:27	02/07/2018 21:31	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0316		mg/L	0.0222	1	EPA 6010C	02/14/2018 09:50	02/14/2018 19:14	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	157		mg/L	10.0	1	SM 2540C	02/07/2018 04:12	02/08/2018 04:45	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: WQ020118: 1200 NP2-6

York Sample ID: 18B0138-01

York Project (SDG) No.
18B0138

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:00 pm

Date Received
02/05/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2018 07:30	02/08/2018 18:52	SR
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2018 07:30	02/08/2018 18:52	SR
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2018 07:30	02/08/2018 18:52	SR
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2018 07:30	02/08/2018 18:52	SR
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2018 07:30	02/08/2018 18:52	SR
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2018 07:30	02/08/2018 18:52	SR
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/08/2018 07:30	02/08/2018 18:52	SR
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: WQ020118: 1200 NP2-6

York Sample ID: 18B0138-01

York Project (SDG) No.
18B0138

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:00 pm

Date Received
02/05/2018

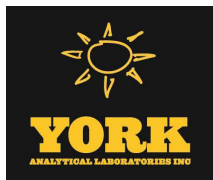
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/08/2018 07:30	02/08/2018 18:52	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR



Sample Information

Client Sample ID: WQ020118: 1200 NP2-6

York Sample ID: 18B0138-01

York Project (SDG) No.
18B0138

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:00 pm

Date Received
02/05/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR



Sample Information

Client Sample ID: WQ020118: 1200 NP2-6

York Sample ID: 18B0138-01

York Project (SDG) No.
18B0138

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:00 pm

Date Received
02/05/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
127-18-4	Tetrachloroethylene	0.27	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
79-01-6	Trichloroethylene	0.53		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 18:52	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/08/2018 07:30	02/08/2018 18:52	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	116 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.6 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	90.8 %	79-122								



Analytical Batch Summary

Batch ID: BB80241 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
18B0137-01	WQ020118: 1205 NP2-10	02/07/18
BB80241-BLK1	Blank	02/07/18

Batch ID: BB80258 **Preparation Method:** EPA 200.7 **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18B0137-01	WQ020118: 1205 NP2-10	02/07/18
BB80258-BLK1	Blank	02/07/18
BB80258-DUP1	Duplicate	02/07/18
BB80258-MS1	Matrix Spike	02/07/18
BB80258-SRM1	Reference	02/07/18

Batch ID: BB80316 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18B0137-01	WQ020118: 1205 NP2-10	02/08/18
18B0138-01	WQ020118: 1200 NP2-6	02/08/18
BB80316-BLK1	Blank	02/08/18
BB80316-BS1	LCS	02/08/18
BB80316-BSD1	LCS Dup	02/08/18

Batch ID: BB80542 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18B0137-01	WQ020118: 1205 NP2-10	02/14/18
BB80542-BLK1	Blank	02/14/18
BB80542-SRM1	Reference	02/14/18



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB80316 - EPA 5030B

Blank (BB80316-BLK1)

Prepared & Analyzed: 02/08/2018

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	ND	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	ND	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"



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 BB80316 - EPA 5030B

Blank (BB80316-BLK1)

Prepared & Analyzed: 02/08/2018

o-Xylene	ND	0.50	ug/L
p- & m- Xylenes	ND	1.0	"
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butylbenzene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	ND	1.5	"

Surrogate: 1,2-Dichloroethane-d4	10.6	"	10.0	106	69-130
Surrogate: Toluene-d8	9.86	"	10.0	98.6	81-117
Surrogate: p-Bromofluorobenzene	10.2	"	10.0	102	79-122

LCS (BB80316-BS1)

Prepared & Analyzed: 02/08/2018

1,1,1,2-Tetrachloroethane	10.7	ug/L	10.0	107	82-126
1,1,1-Trichloroethane	11.2	"	10.0	112	78-136
1,1,2,2-Tetrachloroethane	9.72	"	10.0	97.2	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.8	"	10.0	118	54-165
1,1,2-Trichloroethane	9.89	"	10.0	98.9	82-123
1,1-Dichloroethane	11.3	"	10.0	113	82-129
1,1-Dichloroethylene	11.3	"	10.0	113	68-138
1,1-Dichloropropylene	11.3	"	10.0	113	83-133
1,2,3-Trichlorobenzene	9.71	"	10.0	97.1	76-136
1,2,3-Trichloropropane	9.98	"	10.0	99.8	77-128
1,2,4-Trichlorobenzene	9.23	"	10.0	92.3	76-137
1,2,4-Trimethylbenzene	11.1	"	10.0	111	82-132
1,2-Dibromo-3-chloropropane	8.62	"	10.0	86.2	45-147
1,2-Dibromoethane	9.92	"	10.0	99.2	83-124
1,2-Dichlorobenzene	10.0	"	10.0	100	79-123
1,2-Dichloroethane	10.7	"	10.0	107	73-132
1,2-Dichloropropane	10.6	"	10.0	106	78-126
1,3,5-Trimethylbenzene	10.9	"	10.0	109	80-131
1,3-Dichlorobenzene	10.7	"	10.0	107	86-122
1,3-Dichloropropane	10.2	"	10.0	102	81-125
1,4-Dichlorobenzene	10.1	"	10.0	101	85-124
2,2-Dichloropropane	10.3	"	10.0	103	56-150
2-Chlorotoluene	11.1	"	10.0	111	79-130
2-Hexanone	10.3	"	10.0	103	51-146
4-Chlorotoluene	10.5	"	10.0	105	79-128
Acetone	10.8	"	10.0	108	14-150
Benzene	10.9	"	10.0	109	85-126
Bromobenzene	10.2	"	10.0	102	78-129
Bromochloromethane	11.4	"	10.0	114	77-128
Bromodichloromethane	9.94	"	10.0	99.4	79-128
Bromoform	8.59	"	10.0	85.9	78-133
Bromomethane	9.01	"	10.0	90.1	43-168



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 BB80316 - EPA 5030B

LCS (BB80316-BS1)

Prepared & Analyzed: 02/08/2018

Carbon tetrachloride	11.2		ug/L	10.0		112	77-141				
Chlorobenzene	10.6		"	10.0		106	88-120				
Chloroethane	12.0		"	10.0		120	65-136				
Chloroform	11.0		"	10.0		110	82-128				
Chloromethane	12.7		"	10.0		127	43-155				
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129				
cis-1,3-Dichloropropylene	10.1		"	10.0		101	80-131				
Dibromochloromethane	9.76		"	10.0		97.6	80-130				
Dibromomethane	9.90		"	10.0		99.0	72-134				
Dichlorodifluoromethane	16.1		"	10.0		161	44-144	High Bias			
Ethyl Benzene	11.6		"	10.0		116	80-131				
Hexachlorobutadiene	10.4		"	10.0		104	67-146				
Isopropylbenzene	11.3		"	10.0		113	76-140				
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	76-135				
Methylene chloride	11.8		"	10.0		118	55-137				
Naphthalene	9.48		"	10.0		94.8	70-147				
n-Butylbenzene	11.5		"	10.0		115	79-132				
n-Propylbenzene	11.3		"	10.0		113	78-133				
o-Xylene	11.3		"	10.0		113	78-130				
p- & m- Xylenes	23.5		"	20.0		118	77-133				
p-Isopropyltoluene	11.6		"	10.0		116	81-136				
sec-Butylbenzene	11.8		"	10.0		118	79-137				
Styrene	10.8		"	10.0		108	67-132				
tert-Butylbenzene	11.1		"	10.0		111	77-138				
Tetrachloroethylene	10.3		"	10.0		103	82-131				
Toluene	10.9		"	10.0		109	80-127				
trans-1,2-Dichloroethylene	11.1		"	10.0		111	80-132				
trans-1,3-Dichloropropylene	9.66		"	10.0		96.6	78-131				
Trichloroethylene	11.2		"	10.0		112	82-128				
Trichlorofluoromethane	12.5		"	10.0		125	67-139				
Vinyl Chloride	13.3		"	10.0		133	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: p-Bromofluorobenzene	9.88		"	10.0		98.8	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 BB80316 - EPA 5030B											
LCS Dup (BB80316-BSD1)						Prepared & Analyzed: 02/08/2018					
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126		4.30	30	
1,1,1-Trichloroethane	10.7		"	10.0		107	78-136		4.39	30	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-129		8.66	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165		5.73	30	
1,1,2-Trichloroethane	9.58		"	10.0		95.8	82-123		3.18	30	
1,1-Dichloroethane	10.9		"	10.0		109	82-129		3.42	30	
1,1-Dichloroethylene	10.9		"	10.0		109	68-138		3.34	30	
1,1-Dichloropropylene	10.8		"	10.0		108	83-133		4.26	30	
1,2,3-Trichlorobenzene	10.2		"	10.0		102	76-136		4.63	30	
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128		2.96	30	
1,2,4-Trichlorobenzene	9.55		"	10.0		95.5	76-137		3.41	30	
1,2,4-Trimethylbenzene	10.7		"	10.0		107	82-132		3.39	30	
1,2-Dibromo-3-chloropropane	9.07		"	10.0		90.7	45-147		5.09	30	
1,2-Dibromoethane	9.58		"	10.0		95.8	83-124		3.49	30	
1,2-Dichlorobenzene	9.82		"	10.0		98.2	79-123		2.02	30	
1,2-Dichloroethane	10.5		"	10.0		105	73-132		1.70	30	
1,2-Dichloropropane	9.98		"	10.0		99.8	78-126		5.74	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131		3.36	30	
1,3-Dichlorobenzene	10.3		"	10.0		103	86-122		3.81	30	
1,3-Dichloropropane	9.94		"	10.0		99.4	81-125		2.29	30	
1,4-Dichlorobenzene	9.70		"	10.0		97.0	85-124		4.04	30	
2,2-Dichloropropane	9.78		"	10.0		97.8	56-150		4.89	30	
2-Chlorotoluene	10.7		"	10.0		107	79-130		4.04	30	
2-Hexanone	9.73		"	10.0		97.3	51-146		5.69	30	
4-Chlorotoluene	10.1		"	10.0		101	79-128		3.68	30	
Acetone	7.11		"	10.0		71.1	14-150		41.4	30	Non-dir.
Benzene	10.6		"	10.0		106	85-126		3.08	30	
Bromobenzene	9.96		"	10.0		99.6	78-129		2.77	30	
Bromochloromethane	11.4		"	10.0		114	77-128		0.702	30	
Bromodichloromethane	9.41		"	10.0		94.1	79-128		5.48	30	
Bromoform	8.66		"	10.0		86.6	78-133		0.812	30	
Bromomethane	9.03		"	10.0		90.3	43-168		0.222	30	
Carbon tetrachloride	10.8		"	10.0		108	77-141		3.55	30	
Chlorobenzene	10.0		"	10.0		100	88-120		5.35	30	
Chloroethane	11.3		"	10.0		113	65-136		6.02	30	
Chloroform	10.7		"	10.0		107	82-128		2.49	30	
Chloromethane	12.4		"	10.0		124	43-155		2.64	30	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	83-129		2.96	30	
cis-1,3-Dichloropropylene	9.72		"	10.0		97.2	80-131		3.74	30	
Dibromochloromethane	9.59		"	10.0		95.9	80-130		1.76	30	
Dibromomethane	9.65		"	10.0		96.5	72-134		2.56	30	
Dichlorodifluoromethane	15.8		"	10.0		158	44-144	High Bias	2.26	30	
Ethyl Benzene	10.9		"	10.0		109	80-131		6.13	30	
Hexachlorobutadiene	10.3		"	10.0		103	67-146		0.967	30	
Isopropylbenzene	10.8		"	10.0		108	76-140		4.26	30	
Methyl tert-butyl ether (MTBE)	11.1		"	10.0		111	76-135		5.36	30	
Methylene chloride	11.4		"	10.0		114	55-137		3.01	30	
Naphthalene	10.2		"	10.0		102	70-147		7.61	30	
n-Butylbenzene	11.1		"	10.0		111	79-132		3.62	30	
n-Propylbenzene	10.9		"	10.0		109	78-133		3.79	30	
o-Xylene	10.7		"	10.0		107	78-130		4.99	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

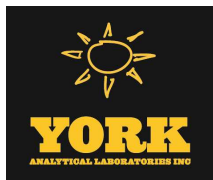
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB80316 - EPA 5030B

LCS Dup (BB80316-BSD1)

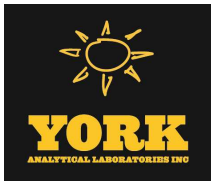
Prepared & Analyzed: 02/08/2018

p- & m- Xylenes	22.2		ug/L	20.0		111	77-133		6.08	30	
p-Isopropyltoluene	11.2		"	10.0		112	81-136		3.50	30	
sec-Butylbenzene	11.5		"	10.0		115	79-137		2.75	30	
Styrene	10.2		"	10.0		102	67-132		5.81	30	
tert-Butylbenzene	10.8		"	10.0		108	77-138		2.84	30	
Tetrachloroethylene	9.14		"	10.0		91.4	82-131		12.0	30	
Toluene	10.3		"	10.0		103	80-127		5.85	30	
trans-1,2-Dichloroethylene	10.7		"	10.0		107	80-132		3.86	30	
trans-1,3-Dichloropropylene	9.46		"	10.0		94.6	78-131		2.09	30	
Trichloroethylene	9.96		"	10.0		99.6	82-128		11.6	30	
Trichlorofluoromethane	11.9		"	10.0		119	67-139		5.33	30	
Vinyl Chloride	12.8		"	10.0		128	58-145		3.83	30	
Surrogate: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130				
Surrogate: Toluene-d8	9.86		"	10.0		98.6	81-117				
Surrogate: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				



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 BB80258 - EPA 200.7											
Blank (BB80258-BLK1)								Prepared & Analyzed: 02/07/2018			
Iron	ND	0.0222	mg/L								
Duplicate (BB80258-DUP1)								Prepared & Analyzed: 02/07/2018			
Iron	*Source sample: 18B0137-01 (WQ020118: 1205 NP2-10)										
Iron	4.30	0.0222	mg/L		4.43				2.97	20	
Matrix Spike (BB80258-MS1)								Prepared & Analyzed: 02/07/2018			
Iron	*Source sample: 18B0137-01 (WQ020118: 1205 NP2-10)										
Iron	5.28	0.0222	mg/L	1.11	4.43	76.6	75-125				
Reference (BB80258-SRM1)								Prepared & Analyzed: 02/07/2018			
Iron	1.39		ug/mL	1.40		99.6	84.9-115				
Batch BB80542 - EPA 3015A											
Blank (BB80542-BLK1)								Prepared & Analyzed: 02/14/2018			
Iron - Dissolved	ND	0.0222	mg/L								
Reference (BB80542-SRM1)								Prepared & Analyzed: 02/14/2018			
Iron - Dissolved	1.39		ug/mL	1.40		99.6	84.9-115				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag
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Batch BB80241 - % Solids Prep

Blank (BB80241-BLK1)

Prepared: 02/07/2018 Analyzed: 02/08/2018

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

Lab ID	Client Sample ID	Volatile Sample Container
18B0137-01	WQ020118: 1205 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18B0138-01	WQ020118: 1200 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
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.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
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.

Field Chain-of-Custody Record

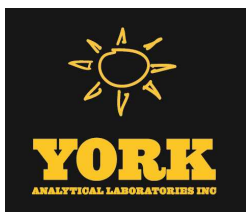
20 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

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

York Project No. 1280131

Rec'd A 2/5/18 1956

APPENDIX II
FEBRUARY 2018 LABORATORY ANALYTICAL REPORTS
FOR FSP&T AND FP&T RECOVERY WELLS



Technical Report

prepared for:

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

Report Date: 02/12/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18B0136

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/12/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18B0136

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 February 05, 2018 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18B0136-01	WQ02018: 1200 FRW-1	Water	02/01/2018	02/05/2018
18B0136-02	WQ02018: 1205 FRW-2	Water	02/01/2018	02/05/2018
18B0136-03	WQ02018: 1210 FRW-3	Water	02/01/2018	02/05/2018
18B0136-04	WQ02018: 1215 FRW-4	Water	02/01/2018	02/05/2018
18B0136-05	WQ02018: 1210 NP1-1-2	Water	02/01/2018	02/05/2018

General Notes for York Project (SDG) No.: 18B0136

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: 02/12/2018





Sample Information

Client Sample ID: WQ02018: 1200 FRW-1

York Sample ID: 18B0136-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18B0136

Rowe Industries

Water

February 1, 2018 12:00 pm

02/05/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2018 07:30	02/07/2018 19:46	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS



Sample Information

Client Sample ID: WQ02018: 1200 FRW-1

York Sample ID: 18B0136-01

York Project (SDG) No.
18B0136

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:00 pm

Date Received
02/05/2018

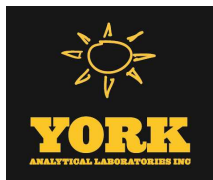
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
156-59-2	cis-1,2-Dichloroethylene	28		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS



Sample Information

Client Sample ID: WQ02018: 1200 FRW-1

York Sample ID: 18B0136-01

York Project (SDG) No.
18B0136

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:00 pm

Date Received
02/05/2018

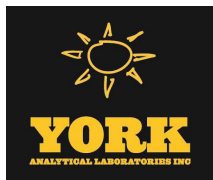
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
127-18-4	Tetrachloroethylene	63		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
79-01-6	Trichloroethylene	7.4		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 19:46	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2018 07:30	02/07/2018 19:46	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.8 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	97.4 %	79-122								



Sample Information

Client Sample ID: WQ02018: 1205 FRW-2

York Sample ID: 18B0136-02

York Project (SDG) No.
18B0136

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:05 pm

Date Received
02/05/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2018 07:30	02/07/2018 20:18	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS



Sample Information

Client Sample ID: WQ02018: 1205 FRW-2

York Sample ID: 18B0136-02

York Project (SDG) No.
18B0136

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:05 pm

Date Received
02/05/2018

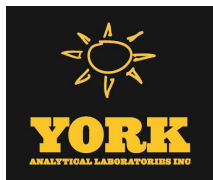
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
67-64-1	Acetone	2.8		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
156-59-2	cis-1,2-Dichloroethylene	1.4		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS



Sample Information

Client Sample ID: WQ02018: 1205 FRW-2

York Sample ID: 18B0136-02

York Project (SDG) No.
18B0136

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:05 pm

Date Received
02/05/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
127-18-4	Tetrachloroethylene	37		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
79-01-6	Trichloroethylene	3.2		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2018 07:30	02/07/2018 20:18	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2018 07:30	02/07/2018 20:18	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %	69-130								
2037-26-5	Surrogate: Toluene-d8	95.8 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	98.9 %	79-122								



Sample Information

Client Sample ID: WQ02018: 1210 FRW-3

York Sample ID: 18B0136-03

York Project (SDG) No.
18B0136

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:10 pm

Date Received
02/05/2018

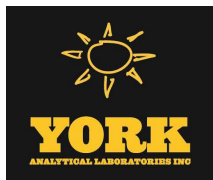
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/08/2018 07:30	02/08/2018 17:04	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR



Sample Information

Client Sample ID: WQ02018: 1210 FRW-3

York Sample ID: 18B0136-03

York Project (SDG) No.
18B0136

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:10 pm

Date Received
02/05/2018

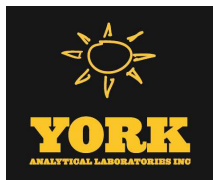
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
156-59-2	cis-1,2-Dichloroethylene	3.3		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
98-82-8	Isopropylbenzene	0.32	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR



Sample Information

Client Sample ID: WQ02018: 1210 FRW-3

York Sample ID: 18B0136-03

York Project (SDG) No.
18B0136

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:10 pm

Date Received
02/05/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
127-18-4	Tetrachloroethylene	22		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
79-01-6	Trichloroethylene	2.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:04	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/08/2018 07:30	02/08/2018 17:04	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	113 %	69-130								
2037-26-5	Surrogate: Toluene-d8	95.9 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	112 %	79-122								



Sample Information

Client Sample ID: WQ02018: 1215 FRW-4

York Sample ID: 18B0136-04

York Project (SDG) No.
18B0136

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:15 pm

Date Received
02/05/2018

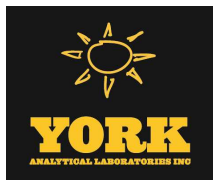
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
71-55-6	1,1,1-Trichloroethane	0.27	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/08/2018 07:30	02/08/2018 17:31	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR



Sample Information

Client Sample ID: WQ02018: 1215 FRW-4

York Sample ID: 18B0136-04

York Project (SDG) No.
18B0136

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:15 pm

Date Received
02/05/2018

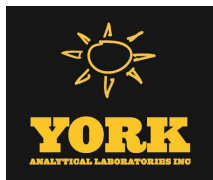
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
67-64-1	Acetone	2.5	SCAL-E	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
156-59-2	cis-1,2-Dichloroethylene	7.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR



Sample Information

Client Sample ID: WQ02018: 1215 FRW-4

York Sample ID: 18B0136-04

York Project (SDG) No.
18B0136

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:15 pm

Date Received
02/05/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
127-18-4	Tetrachloroethylene	21		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
79-01-6	Trichloroethylene	2.5		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:31	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/08/2018 07:30	02/08/2018 17:31	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	113 %	69-130								
2037-26-5	Surrogate: Toluene-d8	97.4 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	105 %	79-122								



Sample Information

Client Sample ID: WQ02018: 1210 NP1-1-2

York Sample ID: 18B0136-05

York Project (SDG) No.
18B0136

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:10 pm

Date Received
02/05/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/08/2018 07:30	02/08/2018 17:58	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR



Sample Information

Client Sample ID: WQ02018: 1210 NP1-1-2

York Sample ID: 18B0136-05

York Project (SDG) No.
18B0136

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:10 pm

Date Received
02/05/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR



Sample Information

Client Sample ID: WQ02018: 1210 NP1-1-2

York Sample ID: 18B0136-05

York Project (SDG) No.
18B0136

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
February 1, 2018 12:10 pm

Date Received
02/05/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
127-18-4	Tetrachloroethylene	0.33	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
79-01-6	Trichloroethylene	0.59		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/08/2018 07:30	02/08/2018 17:58	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/08/2018 07:30	02/08/2018 17:58	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.4 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	99.9 %	79-122								



Analytical Batch Summary

Batch ID: BB80251

Preparation Method: EPA 5030B

Prepared By: TAB

YORK Sample ID	Client Sample ID	Preparation Date
18B0136-01	WQ02018: 1200 FRW-1	02/07/18
18B0136-02	WQ02018: 1205 FRW-2	02/07/18
BB80251-BLK1	Blank	02/07/18
BB80251-BS1	LCS	02/07/18
BB80251-BSD1	LCS Dup	02/07/18

Batch ID: BB80316

Preparation Method: EPA 5030B

Prepared By: TAB

YORK Sample ID	Client Sample ID	Preparation Date
18B0136-03	WQ02018: 1210 FRW-3	02/08/18
18B0136-04	WQ02018: 1215 FRW-4	02/08/18
18B0136-05	WQ02018: 1210 NP1-1-2	02/08/18
BB80316-BLK1	Blank	02/08/18
BB80316-BS1	LCS	02/08/18
BB80316-BSD1	LCS Dup	02/08/18



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

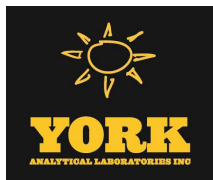
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB80251 - EPA 5030B

Blank (BB80251-BLK1)

Prepared & Analyzed: 02/07/2018

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	ND	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	ND	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"



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 BB80251 - EPA 5030B

Blank (BB80251-BLK1)

Prepared & Analyzed: 02/07/2018

o-Xylene	ND	0.50	ug/L
p- & m- Xylenes	ND	1.0	"
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butylbenzene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	ND	1.5	"

Surrogate: 1,2-Dichloroethane-d4	10.5	"	10.0	105	69-130
Surrogate: Toluene-d8	9.90	"	10.0	99.0	81-117
Surrogate: p-Bromofluorobenzene	10.3	"	10.0	103	79-122

LCS (BB80251-BS1)

Prepared & Analyzed: 02/07/2018

1,1,1,2-Tetrachloroethane	9.74	ug/L	10.0	97.4	82-126
1,1,1-Trichloroethane	9.06	"	10.0	90.6	78-136
1,1,2,2-Tetrachloroethane	9.30	"	10.0	93.0	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.56	"	10.0	85.6	54-165
1,1,2-Trichloroethane	9.05	"	10.0	90.5	82-123
1,1-Dichloroethane	8.78	"	10.0	87.8	82-129
1,1-Dichloroethylene	8.20	"	10.0	82.0	68-138
1,1-Dichloropropylene	9.14	"	10.0	91.4	83-133
1,2,3-Trichlorobenzene	12.0	"	10.0	120	76-136
1,2,3-Trichloropropane	9.49	"	10.0	94.9	77-128
1,2,4-Trichlorobenzene	10.2	"	10.0	102	76-137
1,2,4-Trimethylbenzene	9.29	"	10.0	92.9	82-132
1,2-Dibromo-3-chloropropane	9.15	"	10.0	91.5	45-147
1,2-Dibromoethane	9.60	"	10.0	96.0	83-124
1,2-Dichlorobenzene	9.58	"	10.0	95.8	79-123
1,2-Dichloroethane	9.65	"	10.0	96.5	73-132
1,2-Dichloropropane	8.71	"	10.0	87.1	78-126
1,3,5-Trimethylbenzene	9.28	"	10.0	92.8	80-131
1,3-Dichlorobenzene	9.39	"	10.0	93.9	86-122
1,3-Dichloropropane	9.38	"	10.0	93.8	81-125
1,4-Dichlorobenzene	9.40	"	10.0	94.0	85-124
2,2-Dichloropropane	9.27	"	10.0	92.7	56-150
2-Chlorotoluene	9.18	"	10.0	91.8	79-130
2-Hexanone	9.05	"	10.0	90.5	51-146
4-Chlorotoluene	9.20	"	10.0	92.0	79-128
Acetone	8.92	"	10.0	89.2	14-150
Benzene	9.09	"	10.0	90.9	85-126
Bromobenzene	8.99	"	10.0	89.9	78-129
Bromochloromethane	8.67	"	10.0	86.7	77-128
Bromodichloromethane	8.94	"	10.0	89.4	79-128
Bromoform	10.2	"	10.0	102	78-133
Bromomethane	6.34	"	10.0	63.4	43-168



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 BB80251 - EPA 5030B

LCS (BB80251-BS1)

Prepared & Analyzed: 02/07/2018

Carbon tetrachloride	9.25		ug/L	10.0		92.5	77-141				
Chlorobenzene	9.45		"	10.0		94.5	88-120				
Chloroethane	9.19		"	10.0		91.9	65-136				
Chloroform	9.26		"	10.0		92.6	82-128				
Chloromethane	8.07		"	10.0		80.7	43-155				
cis-1,2-Dichloroethylene	8.81		"	10.0		88.1	83-129				
cis-1,3-Dichloropropylene	9.27		"	10.0		92.7	80-131				
Dibromochloromethane	9.93		"	10.0		99.3	80-130				
Dibromomethane	9.35		"	10.0		93.5	72-134				
Dichlorodifluoromethane	11.4		"	10.0		114	44-144				
Ethyl Benzene	9.52		"	10.0		95.2	80-131				
Hexachlorobutadiene	9.72		"	10.0		97.2	67-146				
Isopropylbenzene	8.94		"	10.0		89.4	76-140				
Methyl tert-butyl ether (MTBE)	9.90		"	10.0		99.0	76-135				
Methylene chloride	8.22		"	10.0		82.2	55-137				
Naphthalene	9.36		"	10.0		93.6	70-147				
n-Butylbenzene	9.19		"	10.0		91.9	79-132				
n-Propylbenzene	8.97		"	10.0		89.7	78-133				
o-Xylene	9.59		"	10.0		95.9	78-130				
p- & m- Xylenes	19.5		"	20.0		97.3	77-133				
p-Isopropyltoluene	9.28		"	10.0		92.8	81-136				
sec-Butylbenzene	9.32		"	10.0		93.2	79-137				
Styrene	9.48		"	10.0		94.8	67-132				
tert-Butylbenzene	9.05		"	10.0		90.5	77-138				
Tetrachloroethylene	8.91		"	10.0		89.1	82-131				
Toluene	9.08		"	10.0		90.8	80-127				
trans-1,2-Dichloroethylene	8.44		"	10.0		84.4	80-132				
trans-1,3-Dichloropropylene	9.21		"	10.0		92.1	78-131				
Trichloroethylene	9.00		"	10.0		90.0	82-128				
Trichlorofluoromethane	9.75		"	10.0		97.5	67-139				
Vinyl Chloride	9.61		"	10.0		96.1	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.4		"	10.0		104	69-130				
Surrogate: Toluene-d8	9.98		"	10.0		99.8	81-117				
Surrogate: p-Bromofluorobenzene	9.53		"	10.0		95.3	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 BB80251 - EPA 5030B											
LCS Dup (BB80251-BSD1)						Prepared & Analyzed: 02/07/2018					
1,1,1,2-Tetrachloroethane	9.80		ug/L	10.0		98.0	82-126		0.614	30	
1,1,1-Trichloroethane	9.15		"	10.0		91.5	78-136		0.988	30	
1,1,2,2-Tetrachloroethane	9.16		"	10.0		91.6	76-129		1.52	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.66		"	10.0		86.6	54-165		1.16	30	
1,1,2-Trichloroethane	9.20		"	10.0		92.0	82-123		1.64	30	
1,1-Dichloroethane	8.89		"	10.0		88.9	82-129		1.25	30	
1,1-Dichloroethylene	8.52		"	10.0		85.2	68-138		3.83	30	
1,1-Dichloropropylene	9.39		"	10.0		93.9	83-133		2.70	30	
1,2,3-Trichlorobenzene	11.2		"	10.0		112	76-136		6.30	30	
1,2,3-Trichloropropane	9.49		"	10.0		94.9	77-128		0.00	30	
1,2,4-Trichlorobenzene	10.1		"	10.0		101	76-137		1.48	30	
1,2,4-Trimethylbenzene	9.23		"	10.0		92.3	82-132		0.648	30	
1,2-Dibromo-3-chloropropane	8.91		"	10.0		89.1	45-147		2.66	30	
1,2-Dibromoethane	9.55		"	10.0		95.5	83-124		0.522	30	
1,2-Dichlorobenzene	9.53		"	10.0		95.3	79-123		0.523	30	
1,2-Dichloroethane	9.68		"	10.0		96.8	73-132		0.310	30	
1,2-Dichloropropane	8.66		"	10.0		86.6	78-126		0.576	30	
1,3,5-Trimethylbenzene	9.25		"	10.0		92.5	80-131		0.324	30	
1,3-Dichlorobenzene	9.31		"	10.0		93.1	86-122		0.856	30	
1,3-Dichloropropane	9.29		"	10.0		92.9	81-125		0.964	30	
1,4-Dichlorobenzene	9.29		"	10.0		92.9	85-124		1.18	30	
2,2-Dichloropropane	9.47		"	10.0		94.7	56-150		2.13	30	
2-Chlorotoluene	9.07		"	10.0		90.7	79-130		1.21	30	
2-Hexanone	8.51		"	10.0		85.1	51-146		6.15	30	
4-Chlorotoluene	9.15		"	10.0		91.5	79-128		0.545	30	
Acetone	7.45		"	10.0		74.5	14-150		18.0	30	
Benzene	9.26		"	10.0		92.6	85-126		1.85	30	
Bromobenzene	8.96		"	10.0		89.6	78-129		0.334	30	
Bromochloromethane	8.69		"	10.0		86.9	77-128		0.230	30	
Bromodichloromethane	8.96		"	10.0		89.6	79-128		0.223	30	
Bromoform	10.1		"	10.0		101	78-133		0.494	30	
Bromomethane	7.00		"	10.0		70.0	43-168		9.90	30	
Carbon tetrachloride	9.38		"	10.0		93.8	77-141		1.40	30	
Chlorobenzene	9.51		"	10.0		95.1	88-120		0.633	30	
Chloroethane	9.54		"	10.0		95.4	65-136		3.74	30	
Chloroform	9.37		"	10.0		93.7	82-128		1.18	30	
Chloromethane	8.29		"	10.0		82.9	43-155		2.69	30	
cis-1,2-Dichloroethylene	8.91		"	10.0		89.1	83-129		1.13	30	
cis-1,3-Dichloropropylene	9.22		"	10.0		92.2	80-131		0.541	30	
Dibromochloromethane	9.84		"	10.0		98.4	80-130		0.910	30	
Dibromomethane	9.11		"	10.0		91.1	72-134		2.60	30	
Dichlorodifluoromethane	11.8		"	10.0		118	44-144		3.55	30	
Ethyl Benzene	9.54		"	10.0		95.4	80-131		0.210	30	
Hexachlorobutadiene	9.61		"	10.0		96.1	67-146		1.14	30	
Isopropylbenzene	8.92		"	10.0		89.2	76-140		0.224	30	
Methyl tert-butyl ether (MTBE)	9.98		"	10.0		99.8	76-135		0.805	30	
Methylene chloride	8.47		"	10.0		84.7	55-137		3.00	30	
Naphthalene	8.77		"	10.0		87.7	70-147		6.51	30	
n-Butylbenzene	9.12		"	10.0		91.2	79-132		0.765	30	
n-Propylbenzene	9.01		"	10.0		90.1	78-133		0.445	30	
o-Xylene	9.66		"	10.0		96.6	78-130		0.727	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB80251 - EPA 5030B

LCS Dup (BB80251-BSD1)

Prepared & Analyzed: 02/07/2018

p- & m- Xylenes	19.6		ug/L	20.0		98.0	77-133		0.666	30	
p-Isopropyltoluene	9.36		"	10.0		93.6	81-136		0.858	30	
sec-Butylbenzene	9.42		"	10.0		94.2	79-137		1.07	30	
Styrene	9.54		"	10.0		95.4	67-132		0.631	30	
tert-Butylbenzene	9.03		"	10.0		90.3	77-138		0.221	30	
Tetrachloroethylene	9.02		"	10.0		90.2	82-131		1.23	30	
Toluene	9.19		"	10.0		91.9	80-127		1.20	30	
trans-1,2-Dichloroethylene	8.69		"	10.0		86.9	80-132		2.92	30	
trans-1,3-Dichloropropylene	9.28		"	10.0		92.8	78-131		0.757	30	
Trichloroethylene	8.95		"	10.0		89.5	82-128		0.557	30	
Trichlorofluoromethane	9.92		"	10.0		99.2	67-139		1.73	30	
Vinyl Chloride	9.90		"	10.0		99.0	58-145		2.97	30	
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: Toluene-d8	9.96		"	10.0		99.6	81-117				
Surrogate: p-Bromofluorobenzene	9.58		"	10.0		95.8	79-122				

Batch BB80316 - EPA 5030B

Blank (BB80316-BLK1)

Prepared & Analyzed: 02/08/2018

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	ND	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"



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 BB80316 - EPA 5030B

Blank (BB80316-BLK1)

Prepared & Analyzed: 02/08/2018

Carbon tetrachloride	ND	0.50	ug/L								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130				
Surrogate: Toluene-d8	9.86		"	10.0		98.6	81-117				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	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
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Batch BB80316 - EPA 5030B

LCS (BB80316-BS1)

Prepared & Analyzed: 02/08/2018

1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126				
1,1,1-Trichloroethane	11.2		"	10.0		112	78-136				
1,1,2,2-Tetrachloroethane	9.72		"	10.0		97.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.8		"	10.0		118	54-165				
1,1,2-Trichloroethane	9.89		"	10.0		98.9	82-123				
1,1-Dichloroethane	11.3		"	10.0		113	82-129				
1,1-Dichloroethylene	11.3		"	10.0		113	68-138				
1,1-Dichloropropylene	11.3		"	10.0		113	83-133				
1,2,3-Trichlorobenzene	9.71		"	10.0		97.1	76-136				
1,2,3-Trichloropropane	9.98		"	10.0		99.8	77-128				
1,2,4-Trichlorobenzene	9.23		"	10.0		92.3	76-137				
1,2,4-Trimethylbenzene	11.1		"	10.0		111	82-132				
1,2-Dibromo-3-chloropropane	8.62		"	10.0		86.2	45-147				
1,2-Dibromoethane	9.92		"	10.0		99.2	83-124				
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123				
1,2-Dichloroethane	10.7		"	10.0		107	73-132				
1,2-Dichloropropane	10.6		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	10.9		"	10.0		109	80-131				
1,3-Dichlorobenzene	10.7		"	10.0		107	86-122				
1,3-Dichloropropane	10.2		"	10.0		102	81-125				
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124				
2,2-Dichloropropane	10.3		"	10.0		103	56-150				
2-Chlorotoluene	11.1		"	10.0		111	79-130				
2-Hexanone	10.3		"	10.0		103	51-146				
4-Chlorotoluene	10.5		"	10.0		105	79-128				
Acetone	10.8		"	10.0		108	14-150				
Benzene	10.9		"	10.0		109	85-126				
Bromobenzene	10.2		"	10.0		102	78-129				
Bromochloromethane	11.4		"	10.0		114	77-128				
Bromodichloromethane	9.94		"	10.0		99.4	79-128				
Bromoform	8.59		"	10.0		85.9	78-133				
Bromomethane	9.01		"	10.0		90.1	43-168				
Carbon tetrachloride	11.2		"	10.0		112	77-141				
Chlorobenzene	10.6		"	10.0		106	88-120				
Chloroethane	12.0		"	10.0		120	65-136				
Chloroform	11.0		"	10.0		110	82-128				
Chloromethane	12.7		"	10.0		127	43-155				
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129				
cis-1,3-Dichloropropylene	10.1		"	10.0		101	80-131				
Dibromochloromethane	9.76		"	10.0		97.6	80-130				
Dibromomethane	9.90		"	10.0		99.0	72-134				
Dichlorodifluoromethane	16.1		"	10.0		161	44-144	High Bias			
Ethyl Benzene	11.6		"	10.0		116	80-131				
Hexachlorobutadiene	10.4		"	10.0		104	67-146				
Isopropylbenzene	11.3		"	10.0		113	76-140				
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	76-135				
Methylene chloride	11.8		"	10.0		118	55-137				
Naphthalene	9.48		"	10.0		94.8	70-147				
n-Butylbenzene	11.5		"	10.0		115	79-132				
n-Propylbenzene	11.3		"	10.0		113	78-133				
o-Xylene	11.3		"	10.0		113	78-130				



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
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Batch BB80316 - EPA 5030B

LCS (BB80316-BS1)

Prepared & Analyzed: 02/08/2018

p- & m- Xylenes	23.5		ug/L	20.0		118	77-133				
p-Isopropyltoluene	11.6		"	10.0		116	81-136				
sec-Butylbenzene	11.8		"	10.0		118	79-137				
Styrene	10.8		"	10.0		108	67-132				
tert-Butylbenzene	11.1		"	10.0		111	77-138				
Tetrachloroethylene	10.3		"	10.0		103	82-131				
Toluene	10.9		"	10.0		109	80-127				
trans-1,2-Dichloroethylene	11.1		"	10.0		111	80-132				
trans-1,3-Dichloropropylene	9.66		"	10.0		96.6	78-131				
Trichloroethylene	11.2		"	10.0		112	82-128				
Trichlorofluoromethane	12.5		"	10.0		125	67-139				
Vinyl Chloride	13.3		"	10.0		133	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: p-Bromofluorobenzene	9.88		"	10.0		98.8	79-122				

LCS Dup (BB80316-BSD1)

Prepared & Analyzed: 02/08/2018

1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126		4.30	30	
1,1,1-Trichloroethane	10.7		"	10.0		107	78-136		4.39	30	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-129		8.66	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165		5.73	30	
1,1,2-Trichloroethane	9.58		"	10.0		95.8	82-123		3.18	30	
1,1-Dichloroethane	10.9		"	10.0		109	82-129		3.42	30	
1,1-Dichloroethylene	10.9		"	10.0		109	68-138		3.34	30	
1,1-Dichloropropylene	10.8		"	10.0		108	83-133		4.26	30	
1,2,3-Trichlorobenzene	10.2		"	10.0		102	76-136		4.63	30	
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128		2.96	30	
1,2,4-Trichlorobenzene	9.55		"	10.0		95.5	76-137		3.41	30	
1,2,4-Trimethylbenzene	10.7		"	10.0		107	82-132		3.39	30	
1,2-Dibromo-3-chloropropane	9.07		"	10.0		90.7	45-147		5.09	30	
1,2-Dibromoethane	9.58		"	10.0		95.8	83-124		3.49	30	
1,2-Dichlorobenzene	9.82		"	10.0		98.2	79-123		2.02	30	
1,2-Dichloroethane	10.5		"	10.0		105	73-132		1.70	30	
1,2-Dichloropropane	9.98		"	10.0		99.8	78-126		5.74	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131		3.36	30	
1,3-Dichlorobenzene	10.3		"	10.0		103	86-122		3.81	30	
1,3-Dichloropropane	9.94		"	10.0		99.4	81-125		2.29	30	
1,4-Dichlorobenzene	9.70		"	10.0		97.0	85-124		4.04	30	
2,2-Dichloropropane	9.78		"	10.0		97.8	56-150		4.89	30	
2-Chlorotoluene	10.7		"	10.0		107	79-130		4.04	30	
2-Hexanone	9.73		"	10.0		97.3	51-146		5.69	30	
4-Chlorotoluene	10.1		"	10.0		101	79-128		3.68	30	
Acetone	7.11		"	10.0		71.1	14-150		41.4	30	Non-dir.
Benzene	10.6		"	10.0		106	85-126		3.08	30	
Bromobenzene	9.96		"	10.0		99.6	78-129		2.77	30	
Bromochloromethane	11.4		"	10.0		114	77-128		0.702	30	
Bromodichloromethane	9.41		"	10.0		94.1	79-128		5.48	30	
Bromoform	8.66		"	10.0		86.6	78-133		0.812	30	
Bromomethane	9.03		"	10.0		90.3	43-168		0.222	30	
Carbon tetrachloride	10.8		"	10.0		108	77-141		3.55	30	
Chlorobenzene	10.0		"	10.0		100	88-120		5.35	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB80316 - EPA 5030B

LCS Dup (BB80316-BSD1)

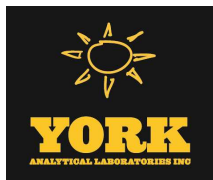
Prepared & Analyzed: 02/08/2018

Chloroethane	11.3		ug/L	10.0		113	65-136		6.02	30	
Chloroform	10.7		"	10.0		107	82-128		2.49	30	
Chloromethane	12.4		"	10.0		124	43-155		2.64	30	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	83-129		2.96	30	
cis-1,3-Dichloropropylene	9.72		"	10.0		97.2	80-131		3.74	30	
Dibromochloromethane	9.59		"	10.0		95.9	80-130		1.76	30	
Dibromomethane	9.65		"	10.0		96.5	72-134		2.56	30	
Dichlorodifluoromethane	15.8		"	10.0		158	44-144	High Bias	2.26	30	
Ethyl Benzene	10.9		"	10.0		109	80-131		6.13	30	
Hexachlorobutadiene	10.3		"	10.0		103	67-146		0.967	30	
Isopropylbenzene	10.8		"	10.0		108	76-140		4.26	30	
Methyl tert-butyl ether (MTBE)	11.1		"	10.0		111	76-135		5.36	30	
Methylene chloride	11.4		"	10.0		114	55-137		3.01	30	
Naphthalene	10.2		"	10.0		102	70-147		7.61	30	
n-Butylbenzene	11.1		"	10.0		111	79-132		3.62	30	
n-Propylbenzene	10.9		"	10.0		109	78-133		3.79	30	
o-Xylene	10.7		"	10.0		107	78-130		4.99	30	
p- & m- Xylenes	22.2		"	20.0		111	77-133		6.08	30	
p-Isopropyltoluene	11.2		"	10.0		112	81-136		3.50	30	
sec-Butylbenzene	11.5		"	10.0		115	79-137		2.75	30	
Styrene	10.2		"	10.0		102	67-132		5.81	30	
tert-Butylbenzene	10.8		"	10.0		108	77-138		2.84	30	
Tetrachloroethylene	9.14		"	10.0		91.4	82-131		12.0	30	
Toluene	10.3		"	10.0		103	80-127		5.85	30	
trans-1,2-Dichloroethylene	10.7		"	10.0		107	80-132		3.86	30	
trans-1,3-Dichloropropylene	9.46		"	10.0		94.6	78-131		2.09	30	
Trichloroethylene	9.96		"	10.0		99.6	82-128		11.6	30	
Trichlorofluoromethane	11.9		"	10.0		119	67-139		5.33	30	
Vinyl Chloride	12.8		"	10.0		128	58-145		3.83	30	
Surrogate: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130				
Surrogate: Toluene-d8	9.86		"	10.0		98.6	81-117				
Surrogate: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18B0136-01	WQ02018: 1200 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18B0136-02	WQ02018: 1205 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18B0136-03	WQ02018: 1210 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18B0136-04	WQ02018: 1215 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18B0136-05	WQ02018: 1210 NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
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.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
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 DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Page 1 of 1

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

York Project No. 1880136

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type	
Company: <u>HSP USA</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>
Address: <u>4 Research Dr, Suite 301</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>
Phone No. <u>Shelton, CT 06484</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>
Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>
E-Mail Address: <u>TSander@liberty.com</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>
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. <u>[Signature]</u> Samples Collected/Authorized By (Signature) <u>Elan Fosh</u> Name (printed)											
Sample Identification		Date Sampled		Sample Matrix		Choose Analyses Needed from the Menu Above and Enter Below		Container Description(s)			
<u>1200 FRW-1</u>		<u>2-1-11</u>		<u>GW</u>		<u>VOC 8260 full list (EPA SW846-8260) plus from #3</u>		<u>VOC vials</u>			
<u>1205 FRW-2</u>											
<u>1210 FRW-3</u>											
<u>1215 FRW-4</u>											
<u>1210 NPI-2</u>											
Preservation: ☒ 4°C ☒ Frozen ☒ HCl ☒ MeOH ☒ HNO₃ ☒ H₂O₂ ☒ NaOH Check those Applicable: ☒ ZnAc ☒ Ascorbic Acid ☒ Other Special Instructions: ☐ Field Filtered ☐ Lab to Filter											
Comments										Temperature on Receipt <u>1.5</u> °C	

Rec'd at 2/5/18 14:56
(RW & FAW)