

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)	Ethylbenzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	6.5 to 8.5	---	5	5	5	5	5	5	5	5	5	5	5	---	10	7	---	---
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
1-Mar-18	6.8	147	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	3.15	0.057

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

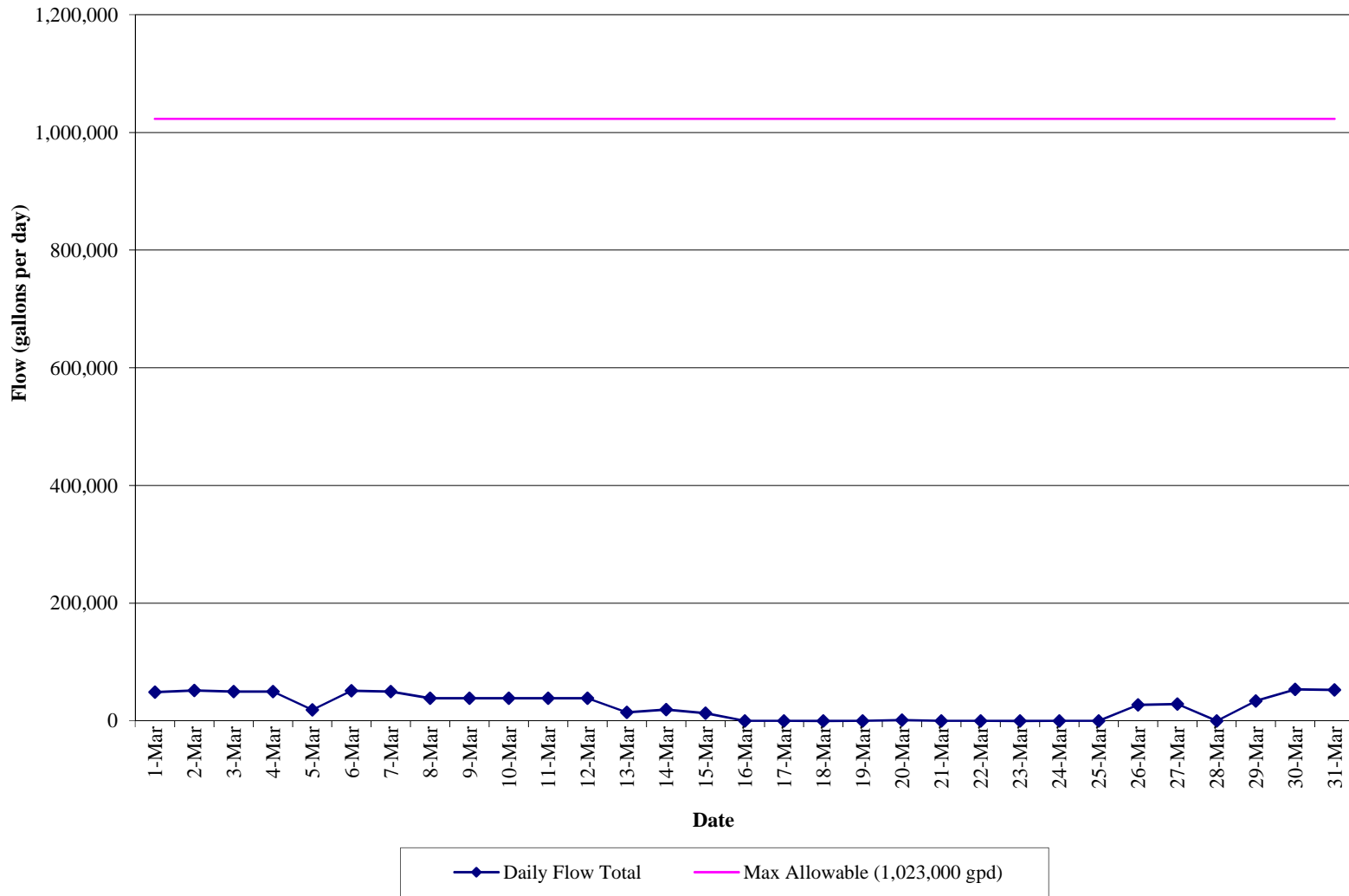
trans-1,2,-DCE: trans-1,2-Dichloroethene

Notes:

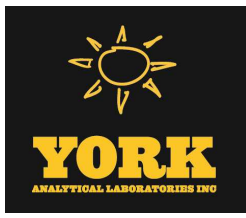
1. Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5. The pH of the effluent sample collected on March 26, 2018 was 6.8.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.
3. 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 in accordance with the SPDES requirements.

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

Effluent Flow Data
(March 1, 2018 to March 31, 2018)



APPENDIX I
MARCH 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: 03/14/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18C0137

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
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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 03/14/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18C0137

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 March 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>
18C0137-01	WQ030118:1200 NP2-6	Water	03/01/2018	03/05/2018
18C0138-01	WQ030118: 1205 NP2-10	Water	03/01/2018	03/05/2018

General Notes for York Project (SDG) No.: 18C0137

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: 03/14/2018





Sample Information

Client Sample ID: WQ030118:1200 NP2-6

York Sample ID: 18C0137-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
18C0137	Rowe Industries	Water	March 1, 2018 12:00 pm	03/05/2018

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	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS



Sample Information

Client Sample ID: WQ030118:1200 NP2-6

York Sample ID: 18C0137-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18C0137

Rowe Industries

Water

March 1, 2018 12:00 pm

03/05/2018

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	03/08/2018 07:30	03/08/2018 23:38	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
156-59-2	cis-1,2-Dichloroethylene	0.56		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS



Sample Information

Client Sample ID: WQ030118:1200 NP2-6

York Sample ID: 18C0137-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18C0137

Rowe Industries

Water

March 1, 2018 12:00 pm

03/05/2018

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	03/08/2018 07:30	03/08/2018 23:38	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
127-18-4	Tetrachloroethylene	5.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	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	03/08/2018 07:30	03/08/2018 23:38	SS
79-01-6	Trichloroethylene	0.61		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/08/2018 23:38	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2018 07:30	03/08/2018 23:38	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.2 %			69-130						
2037-26-5	Surrogate: Toluene-d8	104 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	102 %			79-122						



Sample Information

Client Sample ID: WQ030118: 1205 NP2-10

York Sample ID: 18C0138-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18C0138

Rowe Industries

Water

March 1, 2018 12:05 pm

03/05/2018

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	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS



Sample Information

Client Sample ID: WQ030118: 1205 NP2-10

York Sample ID: 18C0138-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18C0138

Rowe Industries

Water

March 1, 2018 12:05 pm

03/05/2018

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	03/08/2018 07:30	03/09/2018 00:10	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
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	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	SS



Sample Information

Client Sample ID: WQ030118: 1205 NP2-10

York Sample ID: 18C0138-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18C0138

Rowe Industries

Water

March 1, 2018 12:05 pm

03/05/2018

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	03/08/2018 07:30	03/09/2018 00:10	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	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	03/08/2018 07:30	03/09/2018 00:10	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 07:30	03/09/2018 00:10	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2018 07:30	03/09/2018 00:10	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.2 %	69-130
2037-26-5	Surrogate: Toluene-d8	104 %	81-117
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	79-122

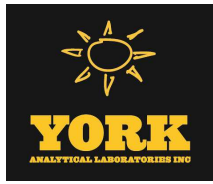
Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: WQ030118: 1205 NP2-10

York Sample ID: 18C0138-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18C0138

Rowe Industries

Water

March 1, 2018 12:05 pm

03/05/2018

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	3.15	B	mg/L	0.0222	1	EPA 200.7	03/13/2018 10:14	03/13/2018 11:57	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	0.0574	B	mg/L	0.0222	1	EPA 6010C	03/14/2018 11:28	03/14/2018 16:17	BML
							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	147		mg/L	10.0	1	SM 2540C	03/07/2018 03:48	03/08/2018 13:57	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Analytical Batch Summary

Batch ID: BC80262 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
18C0138-01	WQ030118: 1205 NP2-10	03/07/18
BC80262-BLK1	Blank	03/07/18

Batch ID: BC80314 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18C0137-01	WQ030118:1200 NP2-6	03/08/18
18C0138-01	WQ030118: 1205 NP2-10	03/08/18
BC80314-BLK1	Blank	03/08/18
BC80314-BS1	LCS	03/08/18
BC80314-BSD1	LCS Dup	03/08/18

Batch ID: BC80541 **Preparation Method:** EPA 200.7 **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18C0138-01	WQ030118: 1205 NP2-10	03/13/18
BC80541-BLK1	Blank	03/13/18
BC80541-SRM1	Reference	03/13/18

Batch ID: BC80613 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18C0138-01	WQ030118: 1205 NP2-10	03/14/18
BC80613-BLK1	Blank	03/14/18
BC80613-SRM1	Reference	03/14/18



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 BC80314 - EPA 5030B

Blank (BC80314-BLK1)

Prepared & Analyzed: 03/08/2018

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 BC80314 - EPA 5030B

Blank (BC80314-BLK1)

Prepared & Analyzed: 03/08/2018

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	9.64		"	10.0		96.4	69-130				
Surrogate: Toluene-d8	10.3		"	10.0		103	81-117				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				

LCS (BC80314-BS1)

Prepared & Analyzed: 03/08/2018

1,1,1,2-Tetrachloroethane	11.9		ug/L	10.0		119	82-126				
1,1,1-Trichloroethane	12.0		"	10.0		120	78-136				
1,1,2,2-Tetrachloroethane	12.1		"	10.0		121	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	54-165				
1,1,2-Trichloroethane	11.8		"	10.0		118	82-123				
1,1-Dichloroethane	10.9		"	10.0		109	82-129				
1,1-Dichloroethylene	10.6		"	10.0		106	68-138				
1,1-Dichloropropylene	12.0		"	10.0		120	83-133				
1,2,3-Trichlorobenzene	17.3		"	10.0		173	76-136	High Bias			
1,2,3-Trichloropropane	12.0		"	10.0		120	77-128				
1,2,4-Trichlorobenzene	13.6		"	10.0		136	76-137				
1,2,4-Trimethylbenzene	11.5		"	10.0		115	82-132				
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104	45-147				
1,2-Dibromoethane	11.9		"	10.0		119	83-124				
1,2-Dichlorobenzene	11.7		"	10.0		117	79-123				
1,2-Dichloroethane	10.6		"	10.0		106	73-132				
1,2-Dichloropropane	10.9		"	10.0		109	78-126				
1,3,5-Trimethylbenzene	11.6		"	10.0		116	80-131				
1,3-Dichlorobenzene	11.8		"	10.0		118	86-122				
1,3-Dichloropropane	11.6		"	10.0		116	81-125				
1,4-Dichlorobenzene	11.6		"	10.0		116	85-124				
2,2-Dichloropropane	13.1		"	10.0		131	56-150				
2-Chlorotoluene	11.7		"	10.0		117	79-130				
2-Hexanone	8.91		"	10.0		89.1	51-146				
4-Chlorotoluene	11.7		"	10.0		117	79-128				
Acetone	8.34		"	10.0		83.4	14-150				
Benzene	12.0		"	10.0		120	85-126				
Bromobenzene	11.5		"	10.0		115	78-129				
Bromochloromethane	9.56		"	10.0		95.6	77-128				
Bromodichloromethane	12.0		"	10.0		120	79-128				
Bromoform	12.0		"	10.0		120	78-133				
Bromomethane	5.12		"	10.0		51.2	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 BC80314 - EPA 5030B

LCS (BC80314-BS1)

Prepared & Analyzed: 03/08/2018

Carbon tetrachloride	11.5		ug/L	10.0		115	77-141				
Chlorobenzene	11.9		"	10.0		119	88-120				
Chloroethane	11.2		"	10.0		112	65-136				
Chloroform	12.1		"	10.0		121	82-128				
Chloromethane	8.92		"	10.0		89.2	43-155				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	83-129				
cis-1,3-Dichloropropylene	11.2		"	10.0		112	80-131				
Dibromochloromethane	11.6		"	10.0		116	80-130				
Dibromomethane	11.2		"	10.0		112	72-134				
Dichlorodifluoromethane	15.2		"	10.0		152	44-144	High Bias			
Ethyl Benzene	12.2		"	10.0		122	80-131				
Hexachlorobutadiene	12.8		"	10.0		128	67-146				
Isopropylbenzene	11.6		"	10.0		116	76-140				
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	76-135				
Methylene chloride	8.64		"	10.0		86.4	55-137				
Naphthalene	14.2		"	10.0		142	70-147				
n-Butylbenzene	11.7		"	10.0		117	79-132				
n-Propylbenzene	11.9		"	10.0		119	78-133				
o-Xylene	12.1		"	10.0		121	78-130				
p- & m- Xylenes	24.6		"	20.0		123	77-133				
p-Isopropyltoluene	12.1		"	10.0		121	81-136				
sec-Butylbenzene	12.0		"	10.0		120	79-137				
Styrene	11.5		"	10.0		115	67-132				
tert-Butylbenzene	11.8		"	10.0		118	77-138				
Tetrachloroethylene	10.2		"	10.0		102	82-131				
Toluene	11.8		"	10.0		118	80-127				
trans-1,2-Dichloroethylene	10.3		"	10.0		103	80-132				
trans-1,3-Dichloropropylene	11.0		"	10.0		110	78-131				
Trichloroethylene	12.3		"	10.0		123	82-128				
Trichlorofluoromethane	11.8		"	10.0		118	67-139				
Vinyl Chloride	11.4		"	10.0		114	58-145				
Surrogate: 1,2-Dichloroethane-d4	9.53		"	10.0		95.3	69-130				
Surrogate: Toluene-d8	10.2		"	10.0		102	81-117				
Surrogate: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC80314 - EPA 5030B											
LCS Dup (BC80314-BSD1)											
										Prepared & Analyzed: 03/08/2018	
1,1,1,2-Tetrachloroethane	11.8		ug/L	10.0		118	82-126		0.422	30	
1,1,1-Trichloroethane	11.6		"	10.0		116	78-136		2.63	30	
1,1,2,2-Tetrachloroethane	12.4		"	10.0		124	76-129		2.61	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3		"	10.0		113	54-165		5.74	30	
1,1,2-Trichloroethane	11.8		"	10.0		118	82-123		0.169	30	
1,1-Dichloroethane	10.6		"	10.0		106	82-129		2.42	30	
1,1-Dichloroethylene	10.3		"	10.0		103	68-138		2.67	30	
1,1-Dichloropropylene	11.6		"	10.0		116	83-133		3.64	30	
1,2,3-Trichlorobenzene	17.4		"	10.0		174	76-136	High Bias	0.462	30	
1,2,3-Trichloropropane	12.0		"	10.0		120	77-128		0.750	30	
1,2,4-Trichlorobenzene	13.6		"	10.0		136	76-137		0.00	30	
1,2,4-Trimethylbenzene	11.1		"	10.0		111	82-132		3.01	30	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	45-147		1.24	30	
1,2-Dibromoethane	12.2		"	10.0		122	83-124		2.07	30	
1,2-Dichlorobenzene	11.5		"	10.0		115	79-123		1.63	30	
1,2-Dichloroethane	10.7		"	10.0		107	73-132		1.04	30	
1,2-Dichloropropane	10.7		"	10.0		107	78-126		1.85	30	
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131		3.69	30	
1,3-Dichlorobenzene	11.5		"	10.0		115	86-122		2.23	30	
1,3-Dichloropropane	11.7		"	10.0		117	81-125		0.774	30	
1,4-Dichlorobenzene	11.4		"	10.0		114	85-124		1.82	30	
2,2-Dichloropropane	12.7		"	10.0		127	56-150		3.34	30	
2-Chlorotoluene	11.3		"	10.0		113	79-130		3.49	30	
2-Hexanone	9.05		"	10.0		90.5	51-146		1.56	30	
4-Chlorotoluene	11.3		"	10.0		113	79-128		3.65	30	
Acetone	7.62		"	10.0		76.2	14-150		9.02	30	
Benzene	11.7		"	10.0		117	85-126		2.20	30	
Bromobenzene	11.2		"	10.0		112	78-129		2.56	30	
Bromochloromethane	9.47		"	10.0		94.7	77-128		0.946	30	
Bromodichloromethane	12.0		"	10.0		120	79-128		0.0833	30	
Bromoform	12.1		"	10.0		121	78-133		1.16	30	
Bromomethane	5.60		"	10.0		56.0	43-168		8.96	30	
Carbon tetrachloride	11.4		"	10.0		114	77-141		1.40	30	
Chlorobenzene	11.7		"	10.0		117	88-120		1.78	30	
Chloroethane	10.9		"	10.0		109	65-136		3.07	30	
Chloroform	11.9		"	10.0		119	82-128		1.75	30	
Chloromethane	8.51		"	10.0		85.1	43-155		4.70	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		2.05	30	
cis-1,3-Dichloropropylene	11.2		"	10.0		112	80-131		0.178	30	
Dibromochloromethane	11.8		"	10.0		118	80-130		1.97	30	
Dibromomethane	11.4		"	10.0		114	72-134		1.60	30	
Dichlorodifluoromethane	16.4		"	10.0		164	44-144	High Bias	7.52	30	
Ethyl Benzene	11.9		"	10.0		119	80-131		2.32	30	
Hexachlorobutadiene	12.5		"	10.0		125	67-146		2.36	30	
Isopropylbenzene	11.2		"	10.0		112	76-140		3.51	30	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	76-135		1.74	30	
Methylene chloride	8.49		"	10.0		84.9	55-137		1.75	30	
Naphthalene	14.3		"	10.0		143	70-147		0.842	30	
n-Butylbenzene	11.2		"	10.0		112	79-132		3.76	30	
n-Propylbenzene	11.5		"	10.0		115	78-133		3.58	30	
o-Xylene	11.8		"	10.0		118	78-130		2.52	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC80314 - EPA 5030B

LCS Dup (BC80314-BSD1)

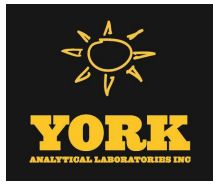
Prepared & Analyzed: 03/08/2018

p- & m- Xylenes	24.1		ug/L	20.0		120	77-133			2.26	30	
p-Isopropyltoluene	11.7		"	10.0		117	81-136			3.70	30	
sec-Butylbenzene	11.6		"	10.0		116	79-137			3.22	30	
Styrene	11.3		"	10.0		113	67-132			1.66	30	
tert-Butylbenzene	11.4		"	10.0		114	77-138			3.37	30	
Tetrachloroethylene	9.90		"	10.0		99.0	82-131			3.08	30	
Toluene	11.5		"	10.0		115	80-127			2.65	30	
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132			2.16	30	
trans-1,3-Dichloropropylene	11.1		"	10.0		111	78-131			0.995	30	
Trichloroethylene	12.0		"	10.0		120	82-128			2.55	30	
Trichlorofluoromethane	12.0		"	10.0		120	67-139			2.01	30	
Vinyl Chloride	11.0		"	10.0		110	58-145			3.40	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.64</i>		<i>"</i>	<i>10.0</i>		<i>96.4</i>	<i>69-130</i>					
<i>Surrogate: Toluene-d8</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>81-117</i>					
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>79-122</i>					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC80541 - EPA 200.7											
Blank (BC80541-BLK1)								Prepared & Analyzed: 03/13/2018			
Iron	0.227	0.0222	mg/L								
Reference (BC80541-SRM1)								Prepared & Analyzed: 03/13/2018			
Iron	1.37		ug/mL	1.40		97.7	84.9-115				
Batch BC80613 - EPA 3015A											
Blank (BC80613-BLK1)								Prepared & Analyzed: 03/14/2018			
Iron - Dissolved	0.0333	0.0222	mg/L								
Reference (BC80613-SRM1)								Prepared & Analyzed: 03/14/2018			
Iron - Dissolved	1.36		ug/mL	1.40		97.5	84.9-115				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

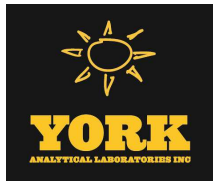
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC80262 - % Solids Prep

Blank (BC80262-BLK1)

Prepared: 03/07/2018 Analyzed: 03/08/2018

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

Lab ID	Client Sample ID	Volatile Sample Container
18C0137-01	WQ030118:1200 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18C0138-01	WQ030118: 1205 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

- QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- CCV-E The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
- B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

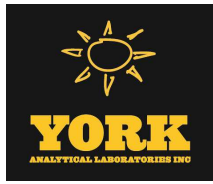
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

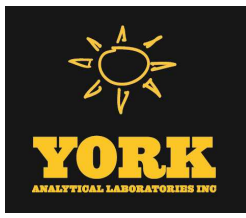
Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.



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



APPENDIX II
MARCH 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: 03/12/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18C0132

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: 03/12/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18C0132

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 March 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>
18C0132-01	WQ030118: 1100 FRW-1	Water	03/01/2018	03/05/2018
18C0132-02	WQ030118: 1105 FRW-2	Water	03/01/2018	03/05/2018
18C0132-03	WQ030118: 1110 FRW-3	Water	03/01/2018	03/05/2018
18C0132-04	WQ030118: 1115 FRW-4	Water	03/01/2018	03/05/2018
18C0132-05	WQ030118: 1220NP1-1-2	Water	03/01/2018	03/05/2018

General Notes for York Project (SDG) No.: 18C0132

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: 03/12/2018





Sample Information

Client Sample ID: WQ030118: 1100 FRW-1

York Sample ID: 18C0132-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
18C0132	Rowe Industries	Water	March 1, 2018 11:00 am	03/05/2018

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	03/05/2018 15:00	03/07/2018 00:56	AS
71-55-6	1,1,1-Trichloroethane	1.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
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	03/05/2018 15:00	03/07/2018 00:56	AS
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	03/05/2018 15:00	03/07/2018 00:56	AS
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	03/05/2018 15:00	03/07/2018 00:56	AS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2018 15:00	03/07/2018 00:56	AS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
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	03/05/2018 15:00	03/07/2018 00:56	AS
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	03/05/2018 15:00	03/07/2018 00:56	AS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
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	03/05/2018 15:00	03/07/2018 00:56	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS



Sample Information

Client Sample ID: WQ030118: 1100 FRW-1

York Sample ID: 18C0132-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18C0132

Rowe Industries

Water

March 1, 2018 11:00 am

03/05/2018

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	03/05/2018 15:00	03/07/2018 00:56	AS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
156-59-2	cis-1,2-Dichloroethylene	1.8		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
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	03/05/2018 15:00	03/07/2018 00:56	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS



Sample Information

Client Sample ID: WQ030118: 1100 FRW-1

York Sample ID: 18C0132-01

<u>York Project (SDG) No.</u> 18C0132	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> March 1, 2018 11:00 am	<u>Date Received</u> 03/05/2018
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Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
127-18-4	Tetrachloroethylene	110		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2018 10:00	03/12/2018 16:26	AS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
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	03/05/2018 15:00	03/07/2018 00:56	AS
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	03/05/2018 15:00	03/07/2018 00:56	AS
79-01-6	Trichloroethylene	2.7		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 00:56	AS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2018 15:00	03/07/2018 00:56	AS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	69-130
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.4 %	69-130
2037-26-5	Surrogate: Toluene-d8	97.5 %	81-117
2037-26-5	Surrogate: Toluene-d8	99.8 %	81-117
460-00-4	Surrogate: p-Bromofluorobenzene	99.4 %	79-122
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122



Sample Information

Client Sample ID: WQ030118: 1100 FRW-1

York Sample ID: 18C0132-01

<u>York Project (SDG) No.</u> 18C0132	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> March 1, 2018 11:00 am	<u>Date Received</u> 03/05/2018
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Sample Information

Client Sample ID: WQ030118: 1105 FRW-2

York Sample ID: 18C0132-02

<u>York Project (SDG) No.</u> 18C0132	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> March 1, 2018 11:05 am	<u>Date Received</u> 03/05/2018
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Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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	03/05/2018 15:00	03/07/2018 01:22	AS
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	03/05/2018 15:00	03/07/2018 01:22	AS
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	03/05/2018 15:00	03/07/2018 01:22	AS
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	03/05/2018 15:00	03/07/2018 01:22	AS
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	03/05/2018 15:00	03/07/2018 01:22	AS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2018 15:00	03/07/2018 01:22	AS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
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	03/05/2018 15:00	03/07/2018 01:22	AS
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	03/05/2018 15:00	03/07/2018 01:22	AS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
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	03/05/2018 15:00	03/07/2018 01:22	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS



Sample Information

Client Sample ID: WQ030118: 1105 FRW-2

York Sample ID: 18C0132-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18C0132

Rowe Industries

Water

March 1, 2018 11:05 am

03/05/2018

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
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
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	03/05/2018 15:00	03/07/2018 01:22	AS
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	03/05/2018 15:00	03/07/2018 01:22	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS



Sample Information

Client Sample ID: WQ030118: 1105 FRW-2

York Sample ID: 18C0132-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18C0132

Rowe Industries

Water

March 1, 2018 11:05 am

03/05/2018

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
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
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	03/05/2018 15:00	03/07/2018 01:22	AS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
127-18-4	Tetrachloroethylene	48		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
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	03/05/2018 15:00	03/07/2018 01:22	AS
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	03/05/2018 15:00	03/07/2018 01:22	AS
79-01-6	Trichloroethylene	0.68		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:22	AS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2018 15:00	03/07/2018 01:22	AS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0 Surrogate: 1,2-Dichloroethane-d4

94.9 %

69-130



Sample Information

Client Sample ID: WQ030118: 1105 FRW-2

York Sample ID: 18C0132-02

<u>York Project (SDG) No.</u> 18C0132	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> March 1, 2018 11:05 am	<u>Date Received</u> 03/05/2018
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Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	99.4 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	101 %			79-122						

Sample Information

Client Sample ID: WQ030118: 1110 FRW-3

York Sample ID: 18C0132-03

<u>York Project (SDG) No.</u> 18C0132	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> March 1, 2018 11:10 am	<u>Date Received</u> 03/05/2018
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Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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	03/05/2018 15:00	03/07/2018 01:48	AS
71-55-6	1,1,1-Trichloroethane	0.65		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
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	03/05/2018 15:00	03/07/2018 01:48	AS
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	03/05/2018 15:00	03/07/2018 01:48	AS
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	03/05/2018 15:00	03/07/2018 01:48	AS
75-34-3	1,1-Dichloroethane	0.26	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2018 15:00	03/07/2018 01:48	AS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
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	03/05/2018 15:00	03/07/2018 01:48	AS
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	03/05/2018 15:00	03/07/2018 01:48	AS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS



Sample Information

Client Sample ID: WQ030118: 1110 FRW-3

York Sample ID: 18C0132-03

<u>York Project (SDG) No.</u> 18C0132	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> March 1, 2018 11:10 am	<u>Date Received</u> 03/05/2018
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Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
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	03/05/2018 15:00	03/07/2018 01:48	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
156-59-2	cis-1,2-Dichloroethylene	18		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS



Sample Information

Client Sample ID: WQ030118: 1110 FRW-3

York Sample ID: 18C0132-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18C0132

Rowe Industries

Water

March 1, 2018 11:10 am

03/05/2018

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
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	03/05/2018 15:00	03/07/2018 01:48	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
98-82-8	Isopropylbenzene	0.49	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
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	03/05/2018 15:00	03/07/2018 01:48	AS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
103-65-1	n-Propylbenzene	0.34	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
127-18-4	Tetrachloroethylene	120		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2018 10:00	03/12/2018 16:52	AS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
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	03/05/2018 15:00	03/07/2018 01:48	AS
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	03/05/2018 15:00	03/07/2018 01:48	AS
79-01-6	Trichloroethylene	7.9		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS



Sample Information

Client Sample ID: WQ030118: 1110 FRW-3

York Sample ID: 18C0132-03

<u>York Project (SDG) No.</u> 18C0132	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> March 1, 2018 11:10 am	<u>Date Received</u> 03/05/2018
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Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 01:48	AS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2018 15:00	03/07/2018 01:48	AS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.4 %	69-130								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	69-130								
2037-26-5	Surrogate: Toluene-d8	100 %	81-117								
2037-26-5	Surrogate: Toluene-d8	98.4 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	112 %	79-122								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	79-122								

Sample Information

Client Sample ID: WQ030118: 1115 FRW-4

York Sample ID: 18C0132-04

<u>York Project (SDG) No.</u> 18C0132	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> March 1, 2018 11:15 am	<u>Date Received</u> 03/05/2018
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Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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	03/05/2018 15:00	03/07/2018 02:15	AS
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	03/05/2018 15:00	03/07/2018 02:15	AS
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	03/05/2018 15:00	03/07/2018 02:15	AS
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	03/05/2018 15:00	03/07/2018 02:15	AS
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	03/05/2018 15:00	03/07/2018 02:15	AS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2018 15:00	03/07/2018 02:15	AS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS



Sample Information

Client Sample ID: WQ030118: 1115 FRW-4

York Sample ID: 18C0132-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18C0132

Rowe Industries

Water

March 1, 2018 11:15 am

03/05/2018

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
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
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	03/05/2018 15:00	03/07/2018 02:15	AS
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	03/05/2018 15:00	03/07/2018 02:15	AS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
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	03/05/2018 15:00	03/07/2018 02:15	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS



Sample Information

Client Sample ID: WQ030118: 1115 FRW-4

York Sample ID: 18C0132-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18C0132

Rowe Industries

Water

March 1, 2018 11:15 am

03/05/2018

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
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
156-59-2	cis-1,2-Dichloroethylene	0.47	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
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	03/05/2018 15:00	03/07/2018 02:15	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
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	03/05/2018 15:00	03/07/2018 02:15	AS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS



Sample Information

Client Sample ID: WQ030118: 1115 FRW-4

York Sample ID: 18C0132-04

<u>York Project (SDG) No.</u> 18C0132	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> March 1, 2018 11:15 am	<u>Date Received</u> 03/05/2018
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Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
127-18-4	Tetrachloroethylene	3.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
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	03/05/2018 15:00	03/07/2018 02:15	AS
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	03/05/2018 15:00	03/07/2018 02:15	AS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:15	AS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2018 15:00	03/07/2018 02:15	AS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.9 %	69-130								
2037-26-5	Surrogate: Toluene-d8	98.4 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122								

Sample Information

Client Sample ID: WQ030118: 1220NP1-1-2

York Sample ID: 18C0132-05

<u>York Project (SDG) No.</u> 18C0132	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> March 1, 2018 12:20 pm	<u>Date Received</u> 03/05/2018
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Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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	03/05/2018 15:00	03/07/2018 02:41	AS
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	03/05/2018 15:00	03/07/2018 02:41	AS
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	03/05/2018 15:00	03/07/2018 02:41	AS
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	03/05/2018 15:00	03/07/2018 02:41	AS
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	03/05/2018 15:00	03/07/2018 02:41	AS



Sample Information

Client Sample ID: WQ030118: 1220NP1-1-2

York Sample ID: 18C0132-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18C0132

Rowe Industries

Water

March 1, 2018 12:20 pm

03/05/2018

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
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2018 15:00	03/07/2018 02:41	AS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
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	03/05/2018 15:00	03/07/2018 02:41	AS
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	03/05/2018 15:00	03/07/2018 02:41	AS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
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	03/05/2018 15:00	03/07/2018 02:41	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS



Sample Information

Client Sample ID: WQ030118: 1220NP1-1-2

York Sample ID: 18C0132-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18C0132

Rowe Industries

Water

March 1, 2018 12:20 pm

03/05/2018

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
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
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	03/05/2018 15:00	03/07/2018 02:41	AS
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	03/05/2018 15:00	03/07/2018 02:41	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
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	03/05/2018 15:00	03/07/2018 02:41	AS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS



Sample Information

Client Sample ID: WQ030118: 1220NP1-1-2

York Sample ID: 18C0132-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18C0132

Rowe Industries

Water

March 1, 2018 12:20 pm

03/05/2018

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
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
127-18-4	Tetrachloroethylene	0.41	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
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	03/05/2018 15:00	03/07/2018 02:41	AS
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	03/05/2018 15:00	03/07/2018 02:41	AS
79-01-6	Trichloroethylene	0.67		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 15:00	03/07/2018 02:41	AS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2018 15:00	03/07/2018 02:41	AS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	95.7 %
2037-26-5	Surrogate: Toluene-d8	99.1 %
460-00-4	Surrogate: p-Bromofluorobenzene	103 %



Analytical Batch Summary

Batch ID: BC80170

Preparation Method: EPA 5030B

Prepared By: AS

YORK Sample ID	Client Sample ID	Preparation Date
18C0132-01	WQ030118: 1100 FRW-1	03/05/18
18C0132-02	WQ030118: 1105 FRW-2	03/05/18
18C0132-03	WQ030118: 1110 FRW-3	03/05/18
18C0132-04	WQ030118: 1115 FRW-4	03/05/18
18C0132-05	WQ030118: 1220NP1-1-2	03/05/18
BC80170-BLK1	Blank	03/05/18
BC80170-BS1	LCS	03/05/18
BC80170-BSD1	LCS Dup	03/05/18

Batch ID: BC80492

Preparation Method: EPA 5030B

Prepared By: AS

YORK Sample ID	Client Sample ID	Preparation Date
18C0132-01RE1	WQ030118: 1100 FRW-1	03/12/18
18C0132-03RE1	WQ030118: 1110 FRW-3	03/12/18
BC80492-BLK1	Blank	03/12/18
BC80492-BS1	LCS	03/12/18
BC80492-BSD1	LCS Dup	03/12/18



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 BC80170 - EPA 5030B

Blank (BC80170-BLK1)

Prepared: 03/05/2018 Analyzed: 03/06/2018

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	0.51	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	1.6	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	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	

Batch BC80170 - EPA 5030B

Blank (BC80170-BLK1)

Prepared: 03/05/2018 Analyzed: 03/06/2018

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	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.75		"	10.0		97.5		69-130			
<i>Surrogate: Toluene-d8</i>	9.93		"	10.0		99.3		81-117			
<i>Surrogate: p-Bromofluorobenzene</i>	10.2		"	10.0		102		79-122			

LCS (BC80170-BS1)

Prepared: 03/05/2018 Analyzed: 03/06/2018

1,1,1,2-Tetrachloroethane	9.61		ug/L	10.0		96.1		82-126			
1,1,1-Trichloroethane	9.74		"	10.0		97.4		78-136			
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102		76-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.63		"	10.0		96.3		54-165			
1,1,2-Trichloroethane	9.65		"	10.0		96.5		82-123			
1,1-Dichloroethane	9.83		"	10.0		98.3		82-129			
1,1-Dichloroethylene	9.47		"	10.0		94.7		68-138			
1,1-Dichloropropylene	9.51		"	10.0		95.1		83-133			
1,2,3-Trichlorobenzene	9.98		"	10.0		99.8		76-136			
1,2,3-Trichloropropane	9.99		"	10.0		99.9		77-128			
1,2,4-Trichlorobenzene	9.09		"	10.0		90.9		76-137			
1,2,4-Trimethylbenzene	9.97		"	10.0		99.7		82-132			
1,2-Dibromo-3-chloropropane	9.25		"	10.0		92.5		45-147			
1,2-Dibromoethane	9.48		"	10.0		94.8		83-124			
1,2-Dichlorobenzene	9.71		"	10.0		97.1		79-123			
1,2-Dichloroethane	9.48		"	10.0		94.8		73-132			
1,2-Dichloropropane	9.40		"	10.0		94.0		78-126			
1,3,5-Trimethylbenzene	10.1		"	10.0		101		80-131			
1,3-Dichlorobenzene	9.97		"	10.0		99.7		86-122			
1,3-Dichloropropane	9.59		"	10.0		95.9		81-125			
1,4-Dichlorobenzene	9.89		"	10.0		98.9		85-124			
2,2-Dichloropropane	9.89		"	10.0		98.9		56-150			
2-Chlorotoluene	10.2		"	10.0		102		79-130			
2-Hexanone	11.1		"	10.0		111		51-146			
4-Chlorotoluene	10.1		"	10.0		101		79-128			
Acetone	12.5		"	10.0		125		14-150			
Benzene	9.60		"	10.0		96.0		85-126			
Bromobenzene	9.92		"	10.0		99.2		78-129			
Bromochloromethane	10.4		"	10.0		104		77-128			
Bromodichloromethane	9.36		"	10.0		93.6		79-128			
Bromoform	9.47		"	10.0		94.7		78-133			
Bromomethane	5.02		"	10.0		50.2		43-168			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC80170 - EPA 5030B

LCS (BC80170-BS1)

Prepared: 03/05/2018 Analyzed: 03/06/2018

Carbon tetrachloride	9.65		ug/L	10.0		96.5	77-141				
Chlorobenzene	9.64		"	10.0		96.4	88-120				
Chloroethane	9.09		"	10.0		90.9	65-136				
Chloroform	9.78		"	10.0		97.8	82-128				
Chloromethane	6.99		"	10.0		69.9	43-155				
cis-1,2-Dichloroethylene	9.68		"	10.0		96.8	83-129				
cis-1,3-Dichloropropylene	9.45		"	10.0		94.5	80-131				
Dibromochloromethane	9.51		"	10.0		95.1	80-130				
Dibromomethane	9.48		"	10.0		94.8	72-134				
Dichlorodifluoromethane	7.00		"	10.0		70.0	44-144				
Ethyl Benzene	9.75		"	10.0		97.5	80-131				
Hexachlorobutadiene	8.77		"	10.0		87.7	67-146				
Isopropylbenzene	10.4		"	10.0		104	76-140				
Methyl tert-butyl ether (MTBE)	9.60		"	10.0		96.0	76-135				
Methylene chloride	9.60		"	10.0		96.0	55-137				
Naphthalene	10.0		"	10.0		100	70-147				
n-Butylbenzene	10.0		"	10.0		100	79-132				
n-Propylbenzene	10.4		"	10.0		104	78-133				
o-Xylene	9.85		"	10.0		98.5	78-130				
p- & m- Xylenes	19.6		"	20.0		97.8	77-133				
p-Isopropyltoluene	10.1		"	10.0		101	81-136				
sec-Butylbenzene	10.2		"	10.0		102	79-137				
Styrene	9.84		"	10.0		98.4	67-132				
tert-Butylbenzene	10.2		"	10.0		102	77-138				
Tetrachloroethylene	9.52		"	10.0		95.2	82-131				
Toluene	9.45		"	10.0		94.5	80-127				
trans-1,2-Dichloroethylene	9.47		"	10.0		94.7	80-132				
trans-1,3-Dichloropropylene	9.51		"	10.0		95.1	78-131				
Trichloroethylene	9.43		"	10.0		94.3	82-128				
Trichlorofluoromethane	9.48		"	10.0		94.8	67-139				
Vinyl Chloride	8.15		"	10.0		81.5	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.95		"	10.0		99.5	69-130				
<i>Surrogate: Toluene-d8</i>	9.78		"	10.0		97.8	81-117				
<i>Surrogate: p-Bromofluorobenzene</i>	10.2		"	10.0		102	79-122				



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

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit
Batch BC80170 - EPA 5030B										
LCS Dup (BC80170-BSD1)										
Prepared: 03/05/2018 Analyzed: 03/06/2018										
1,1,1,2-Tetrachloroethane	9.57		ug/L	10.0	95.7	82-126			0.417	30
1,1,1-Trichloroethane	9.76		"	10.0	97.6	78-136			0.205	30
1,1,2,2-Tetrachloroethane	10.2		"	10.0	102	76-129			0.391	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.65		"	10.0	96.5	54-165			0.207	30
1,1,2-Trichloroethane	9.83		"	10.0	98.3	82-123			1.85	30
1,1-Dichloroethane	10.0		"	10.0	100	82-129			1.91	30
1,1-Dichloroethylene	9.38		"	10.0	93.8	68-138			0.955	30
1,1-Dichloropropylene	9.48		"	10.0	94.8	83-133			0.316	30
1,2,3-Trichlorobenzene	10.2		"	10.0	102	76-136			1.69	30
1,2,3-Trichloropropane	10.2		"	10.0	102	77-128			1.59	30
1,2,4-Trichlorobenzene	9.12		"	10.0	91.2	76-137			0.329	30
1,2,4-Trimethylbenzene	9.88		"	10.0	98.8	82-132			0.907	30
1,2-Dibromo-3-chloropropane	10.4		"	10.0	104	45-147			11.7	30
1,2-Dibromoethane	9.90		"	10.0	99.0	83-124			4.33	30
1,2-Dichlorobenzene	9.67		"	10.0	96.7	79-123			0.413	30
1,2-Dichloroethane	9.70		"	10.0	97.0	73-132			2.29	30
1,2-Dichloropropane	9.54		"	10.0	95.4	78-126			1.48	30
1,3,5-Trimethylbenzene	9.81		"	10.0	98.1	80-131			3.21	30
1,3-Dichlorobenzene	9.84		"	10.0	98.4	86-122			1.31	30
1,3-Dichloropropane	9.85		"	10.0	98.5	81-125			2.67	30
1,4-Dichlorobenzene	9.77		"	10.0	97.7	85-124			1.22	30
2,2-Dichloropropane	9.96		"	10.0	99.6	56-150			0.705	30
2-Chlorotoluene	9.88		"	10.0	98.8	79-130			2.70	30
2-Hexanone	11.2		"	10.0	112	51-146			0.898	30
4-Chlorotoluene	9.77		"	10.0	97.7	79-128			3.02	30
Acetone	12.8		"	10.0	128	14-150			2.37	30
Benzene	9.85		"	10.0	98.5	85-126			2.57	30
Bromobenzene	9.86		"	10.0	98.6	78-129			0.607	30
Bromochloromethane	10.8		"	10.0	108	77-128			4.06	30
Bromodichloromethane	9.50		"	10.0	95.0	79-128			1.48	30
Bromoform	9.58		"	10.0	95.8	78-133			1.15	30
Bromomethane	5.40		"	10.0	54.0	43-168			7.29	30
Carbon tetrachloride	9.70		"	10.0	97.0	77-141			0.517	30
Chlorobenzene	9.64		"	10.0	96.4	88-120			0.00	30
Chloroethane	9.04		"	10.0	90.4	65-136			0.552	30
Chloroform	9.94		"	10.0	99.4	82-128			1.62	30
Chloromethane	7.00		"	10.0	70.0	43-155			0.143	30
cis-1,2-Dichloroethylene	10.1		"	10.0	101	83-129			3.85	30
cis-1,3-Dichloropropylene	9.54		"	10.0	95.4	80-131			0.948	30
Dibromochloromethane	9.76		"	10.0	97.6	80-130			2.59	30
Dibromomethane	9.74		"	10.0	97.4	72-134			2.71	30
Dichlorodifluoromethane	6.96		"	10.0	69.6	44-144			0.573	30
Ethyl Benzene	9.76		"	10.0	97.6	80-131			0.103	30
Hexachlorobutadiene	8.76		"	10.0	87.6	67-146			0.114	30
Isopropylbenzene	10.1		"	10.0	101	76-140			3.12	30
Methyl tert-butyl ether (MTBE)	10.1		"	10.0	101	76-135			4.98	30
Methylene chloride	9.85		"	10.0	98.5	55-137			2.57	30
Naphthalene	10.6		"	10.0	106	70-147			5.14	30
n-Butylbenzene	9.74		"	10.0	97.4	79-132			2.63	30
n-Propylbenzene	10.1		"	10.0	101	78-133			2.74	30
o-Xylene	9.85		"	10.0	98.5	78-130			0.00	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC80170 - EPA 5030B

LCS Dup (BC80170-BSD1)

Prepared: 03/05/2018 Analyzed: 03/06/2018

p- & m- Xylenes	19.5		ug/L	20.0		97.5	77-133			0.256	30
p-Isopropyltoluene	9.76		"	10.0		97.6	81-136			3.23	30
sec-Butylbenzene	10.0		"	10.0		100	79-137			1.98	30
Styrene	9.94		"	10.0		99.4	67-132			1.01	30
tert-Butylbenzene	9.97		"	10.0		99.7	77-138			1.79	30
Tetrachloroethylene	9.69		"	10.0		96.9	82-131			1.77	30
Toluene	9.30		"	10.0		93.0	80-127			1.60	30
trans-1,2-Dichloroethylene	9.48		"	10.0		94.8	80-132			0.106	30
trans-1,3-Dichloropropylene	9.63		"	10.0		96.3	78-131			1.25	30
Trichloroethylene	9.35		"	10.0		93.5	82-128			0.852	30
Trichlorofluoromethane	9.68		"	10.0		96.8	67-139			2.09	30
Vinyl Chloride	8.22		"	10.0		82.2	58-145			0.855	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.73</i>		<i>"</i>	<i>10.0</i>		<i>97.3</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>79-122</i>				

Batch BC80492 - EPA 5030B

Blank (BC80492-BLK1)

Prepared & Analyzed: 03/12/2018

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	0.51	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	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit								RPD	

Batch BC80492 - EPA 5030B

Blank (BC80492-BLK1)

Prepared & Analyzed: 03/12/2018

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	1.3	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	"								
<hr/>											
Surrogate: 1,2-Dichloroethane-d4	9.94		"	10.0		99.4	69-130				
Surrogate: Toluene-d8	9.73		"	10.0		97.3	81-117				
Surrogate: p-Bromofluorobenzene	9.94		"	10.0		99.4	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

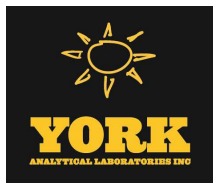
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC80492 - EPA 5030B

LCS (BC80492-BS1)

Prepared & Analyzed: 03/12/2018

1,1,1,2-Tetrachloroethane	9.29		ug/L	10.0		92.9	82-126				
1,1,1-Trichloroethane	9.36		"	10.0		93.6	78-136				
1,1,2,2-Tetrachloroethane	9.41		"	10.0		94.1	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.41		"	10.0		94.1	54-165				
1,1,2-Trichloroethane	9.12		"	10.0		91.2	82-123				
1,1-Dichloroethane	9.43		"	10.0		94.3	82-129				
1,1-Dichloroethylene	9.17		"	10.0		91.7	68-138				
1,1-Dichloropropylene	9.25		"	10.0		92.5	83-133				
1,2,3-Trichlorobenzene	8.97		"	10.0		89.7	76-136				
1,2,3-Trichloropropane	9.89		"	10.0		98.9	77-128				
1,2,4-Trichlorobenzene	8.20		"	10.0		82.0	76-137				
1,2,4-Trimethylbenzene	9.57		"	10.0		95.7	82-132				
1,2-Dibromo-3-chloropropane	8.96		"	10.0		89.6	45-147				
1,2-Dibromoethane	9.12		"	10.0		91.2	83-124				
1,2-Dichlorobenzene	9.41		"	10.0		94.1	79-123				
1,2-Dichloroethane	9.22		"	10.0		92.2	73-132				
1,2-Dichloropropane	8.70		"	10.0		87.0	78-126				
1,3,5-Trimethylbenzene	9.55		"	10.0		95.5	80-131				
1,3-Dichlorobenzene	9.73		"	10.0		97.3	86-122				
1,3-Dichloropropane	9.05		"	10.0		90.5	81-125				
1,4-Dichlorobenzene	9.74		"	10.0		97.4	85-124				
2,2-Dichloropropane	9.54		"	10.0		95.4	56-150				
2-Chlorotoluene	9.73		"	10.0		97.3	79-130				
2-Hexanone	9.33		"	10.0		93.3	51-146				
4-Chlorotoluene	9.73		"	10.0		97.3	79-128				
Acetone	11.9		"	10.0		119	14-150				
Benzene	9.36		"	10.0		93.6	85-126				
Bromobenzene	9.58		"	10.0		95.8	78-129				
Bromochloromethane	9.82		"	10.0		98.2	77-128				
Bromodichloromethane	8.79		"	10.0		87.9	79-128				
Bromoform	8.84		"	10.0		88.4	78-133				
Bromomethane	6.40		"	10.0		64.0	43-168				
Carbon tetrachloride	9.30		"	10.0		93.0	77-141				
Chlorobenzene	9.32		"	10.0		93.2	88-120				
Chloroethane	9.04		"	10.0		90.4	65-136				
Chloroform	9.69		"	10.0		96.9	82-128				
Chloromethane	7.25		"	10.0		72.5	43-155				
cis-1,2-Dichloroethylene	9.43		"	10.0		94.3	83-129				
cis-1,3-Dichloropropylene	8.87		"	10.0		88.7	80-131				
Dibromochloromethane	8.88		"	10.0		88.8	80-130				
Dibromomethane	8.92		"	10.0		89.2	72-134				
Dichlorodifluoromethane	7.99		"	10.0		79.9	44-144				
Ethyl Benzene	9.11		"	10.0		91.1	80-131				
Hexachlorobutadiene	7.56		"	10.0		75.6	67-146				
Isopropylbenzene	9.55		"	10.0		95.5	76-140				
Methyl tert-butyl ether (MTBE)	9.48		"	10.0		94.8	76-135				
Methylene chloride	9.07		"	10.0		90.7	55-137				
Naphthalene	8.96		"	10.0		89.6	70-147				
n-Butylbenzene	8.58		"	10.0		85.8	79-132				
n-Propylbenzene	9.43		"	10.0		94.3	78-133				
o-Xylene	9.45		"	10.0		94.5	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 BC80492 - EPA 5030B

LCS (BC80492-BS1)

Prepared & Analyzed: 03/12/2018

p- & m- Xylenes	18.4		ug/L	20.0		91.9	77-133				
p-Isopropyltoluene	8.99		"	10.0		89.9	81-136				
sec-Butylbenzene	8.81		"	10.0		88.1	79-137				
Styrene	9.43		"	10.0		94.3	67-132				
tert-Butylbenzene	9.09		"	10.0		90.9	77-138				
Tetrachloroethylene	9.08		"	10.0		90.8	82-131				
Toluene	8.83		"	10.0		88.3	80-127				
trans-1,2-Dichloroethylene	9.16		"	10.0		91.6	80-132				
trans-1,3-Dichloropropylene	8.84		"	10.0		88.4	78-131				
Trichloroethylene	8.73		"	10.0		87.3	82-128				
Trichlorofluoromethane	9.61		"	10.0		96.1	67-139				
Vinyl Chloride	8.93		"	10.0		89.3	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.0		"	10.0		100	69-130				
Surrogate: Toluene-d8	9.44		"	10.0		94.4	81-117				
Surrogate: p-Bromofluorobenzene	10.3		"	10.0		103	79-122				

LCS Dup (BC80492-BSD1)

Prepared & Analyzed: 03/12/2018

1,1,1,2-Tetrachloroethane	9.44		ug/L	10.0		94.4	82-126		1.60	30	
1,1,1-Trichloroethane	9.23		"	10.0		92.3	78-136		1.40	30	
1,1,2,2-Tetrachloroethane	9.51		"	10.0		95.1	76-129		1.06	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.96		"	10.0		89.6	54-165		4.90	30	
1,1,2-Trichloroethane	9.56		"	10.0		95.6	82-123		4.71	30	
1,1-Dichloroethane	9.31		"	10.0		93.1	82-129		1.28	30	
1,1-Dichloroethylene	8.85		"	10.0		88.5	68-138		3.55	30	
1,1-Dichloropropylene	8.96		"	10.0		89.6	83-133		3.19	30	
1,2,3-Trichlorobenzene	10.3		"	10.0		103	76-136		14.0	30	
1,2,3-Trichloropropane	9.84		"	10.0		98.4	77-128		0.507	30	
1,2,4-Trichlorobenzene	8.90		"	10.0		89.0	76-137		8.19	30	
1,2,4-Trimethylbenzene	9.30		"	10.0		93.0	82-132		2.86	30	
1,2-Dibromo-3-chloropropane	9.78		"	10.0		97.8	45-147		8.75	30	
1,2-Dibromoethane	9.58		"	10.0		95.8	83-124		4.92	30	
1,2-Dichlorobenzene	9.27		"	10.0		92.7	79-123		1.50	30	
1,2-Dichloroethane	9.40		"	10.0		94.0	73-132		1.93	30	
1,2-Dichloropropane	8.85		"	10.0		88.5	78-126		1.71	30	
1,3,5-Trimethylbenzene	9.23		"	10.0		92.3	80-131		3.41	30	
1,3-Dichlorobenzene	9.30		"	10.0		93.0	86-122		4.52	30	
1,3-Dichloropropane	9.40		"	10.0		94.0	81-125		3.79	30	
1,4-Dichlorobenzene	9.35		"	10.0		93.5	85-124		4.09	30	
2,2-Dichloropropane	9.36		"	10.0		93.6	56-150		1.90	30	
2-Chlorotoluene	9.31		"	10.0		93.1	79-130		4.41	30	
2-Hexanone	10.3		"	10.0		103	51-146		10.3	30	
4-Chlorotoluene	9.25		"	10.0		92.5	79-128		5.06	30	
Acetone	12.2		"	10.0		122	14-150		1.99	30	
Benzene	9.28		"	10.0		92.8	85-126		0.858	30	
Bromobenzene	9.15		"	10.0		91.5	78-129		4.59	30	
Bromochloromethane	9.80		"	10.0		98.0	77-128		0.204	30	
Bromodichloromethane	8.90		"	10.0		89.0	79-128		1.24	30	
Bromoform	9.49		"	10.0		94.9	78-133		7.09	30	
Bromomethane	6.99		"	10.0		69.9	43-168		8.81	30	
Carbon tetrachloride	9.03		"	10.0		90.3	77-141		2.95	30	
Chlorobenzene	9.35		"	10.0		93.5	88-120		0.321	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

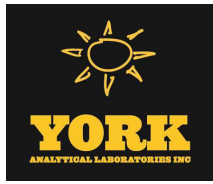
Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit			Result					RPD	Limit

Batch BC80492 - EPA 5030B

LCS Dup (BC80492-BSD1)

Prepared & Analyzed: 03/12/2018

Chloroethane	9.17		ug/L	10.0		91.7	65-136			1.43	30
Chloroform	9.40		"	10.0		94.0	82-128			3.04	30
Chloromethane	7.10		"	10.0		71.0	43-155			2.09	30
cis-1,2-Dichloroethylene	9.19		"	10.0		91.9	83-129			2.58	30
cis-1,3-Dichloropropylene	9.04		"	10.0		90.4	80-131			1.90	30
Dibromochloromethane	9.21		"	10.0		92.1	80-130			3.65	30
Dibromomethane	9.22		"	10.0		92.2	72-134			3.31	30
Dichlorodifluoromethane	7.60		"	10.0		76.0	44-144			5.00	30
Ethyl Benzene	9.38		"	10.0		93.8	80-131			2.92	30
Hexachlorobutadiene	8.60		"	10.0		86.0	67-146			12.9	30
Isopropylbenzene	9.39		"	10.0		93.9	76-140			1.69	30
Methyl tert-butyl ether (MTBE)	9.68		"	10.0		96.8	76-135			2.09	30
Methylene chloride	8.80		"	10.0		88.0	55-137			3.02	30
Naphthalene	10.1		"	10.0		101	70-147			12.0	30
n-Butylbenzene	9.06		"	10.0		90.6	79-132			5.44	30
n-Propylbenzene	9.30		"	10.0		93.0	78-133			1.39	30
o-Xylene	9.58		"	10.0		95.8	78-130			1.37	30
p- & m- Xylenes	18.8		"	20.0		94.0	77-133			2.21	30
p-Isopropyltoluene	9.31		"	10.0		93.1	81-136			3.50	30
sec-Butylbenzene	9.34		"	10.0		93.4	79-137			5.84	30
Styrene	9.60		"	10.0		96.0	67-132			1.79	30
tert-Butylbenzene	9.41		"	10.0		94.1	77-138			3.46	30
Tetrachloroethylene	9.35		"	10.0		93.5	82-131			2.93	30
Toluene	8.93		"	10.0		89.3	80-127			1.13	30
trans-1,2-Dichloroethylene	9.00		"	10.0		90.0	80-132			1.76	30
trans-1,3-Dichloropropylene	9.21		"	10.0		92.1	78-131			4.10	30
Trichloroethylene	8.87		"	10.0		88.7	82-128			1.59	30
Trichlorofluoromethane	9.26		"	10.0		92.6	67-139			3.71	30
Vinyl Chloride	8.52		"	10.0		85.2	58-145			4.70	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.50</i>		<i>"</i>	<i>10.0</i>		<i>95.0</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.99</i>		<i>"</i>	<i>10.0</i>		<i>99.9</i>	<i>79-122</i>				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18C0132-01	WQ030118: 1100 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18C0132-02	WQ030118: 1105 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18C0132-03	WQ030118: 1110 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18C0132-04	WQ030118: 1115 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18C0132-05	WQ030118: 1220NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

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

Definitions and Other Explanations

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

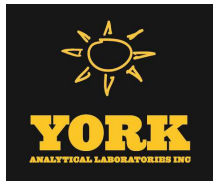
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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

YORK

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Field Chain-of-Custody Record

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

York Project No. 18C0132

YOUR INFORMATION Company: <u>LB&E</u> Address: <u>4 Research Dr. Suite 301 Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sander</u> E-Mail Address: <u>TSander@lb&e.com</u>		Report To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR PROJECT ID <u>Rowe Industries.</u> Purchase Order No. <u>NA05A6</u> Samples from: CT ___ NY ___ X NJ ___		Turn-Around Time <input type="checkbox"/> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input checked="" type="checkbox"/> Standard (5-7 Days)		Report Type <input checked="" type="checkbox"/> Summary Report <input type="checkbox"/> Summary w/ QA Summary <input checked="" type="checkbox"/> CT RCP Package <input type="checkbox"/> CT RCP DQ/DUE Pkg <input type="checkbox"/> NY ASP A Package <input checked="" type="checkbox"/> NY ASP B Package <input type="checkbox"/> NJ DEP Red. Deliv. <input type="checkbox"/> Electronic Data Deliverables (EDD)			
Matrix Codes S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		Volatiles 8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halcg. only App IX list 8021B list		Semi-Vols 8276 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NDPE list App. IX SPLP or TCLP		Metals RCRA8 PPL13 list TAL CT15 list TAGM list NDPE list SPLP or TCLP Dissolved TCLP Herb Chloride 608 Pest SPLP or TCLP		Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TCS Methane Helium		Full Lists Phi Poll TCL Organics TAL.Metals Full TCLP Full App. IX Part 500-Residue Heteroatoms Part 500-Residue TOX Part 300-Residue Aquatic Tox. Part 300-Residue NYDEP Seve TOC NYDEP Seve Adhesives TAGM Silica		Container Description(s) <u>300L</u>	
Sample Identification <u>W003018-1100 FRW-1</u> <u>1105 FRW-2</u> <u>1110 FRW-3</u> <u>1115 FRW-4</u> <u>1200PI-1-2</u>		Date Sampled <u>3-1-18</u>		Sample Matrix <u>GW</u>		Choose Analyses Needed from the Menu Above and Enter Below <u>VOC 8260 full list (EPA SW846-8260) plus from 113</u>		Temperature on Receipt <u>2.3 °C</u>					
Comments Preservation <input checked="" type="checkbox"/> Check those Applicable Special Instructions Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>		Preservation <input checked="" type="checkbox"/> Frozen <input type="checkbox"/> MeOH <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH		Samples Relinquished By <u>[Signature]</u> Date/Time <u>3-1-18 1800</u>		Samples Received In Lab By <u>[Signature]</u> Date/Time <u>3/5/18 1447</u>		Samples Relinquished By <u>[Signature]</u> Date/Time <u>3/5/18 1335</u>					