

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-Nov-16	6.5	224	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	3.50	0.100
1-Dec-16	6.5	191	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.17	0.042
3-Jan-17	6.5	123	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	0.030
1-Feb-17	6.5	120	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.17	0.051
1-Mar-17	6.5	149	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.69	0.063
7-Apr-17	6.5	157	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	3.62	0.060
3-May-17	6.5	121	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.90	0.079
1-Jun-17	6.5	127	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.10	0.097
6-Jul-17	6.5	159	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.46	ND<0.02
1-Aug-17	6.8	143	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	3.00	0.193
5-Sep-17	6.8	298	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.12	0.051
4-Oct-17	6.5	162	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.24	0.036
1-Nov-17	6.8	196	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.66	0.043

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

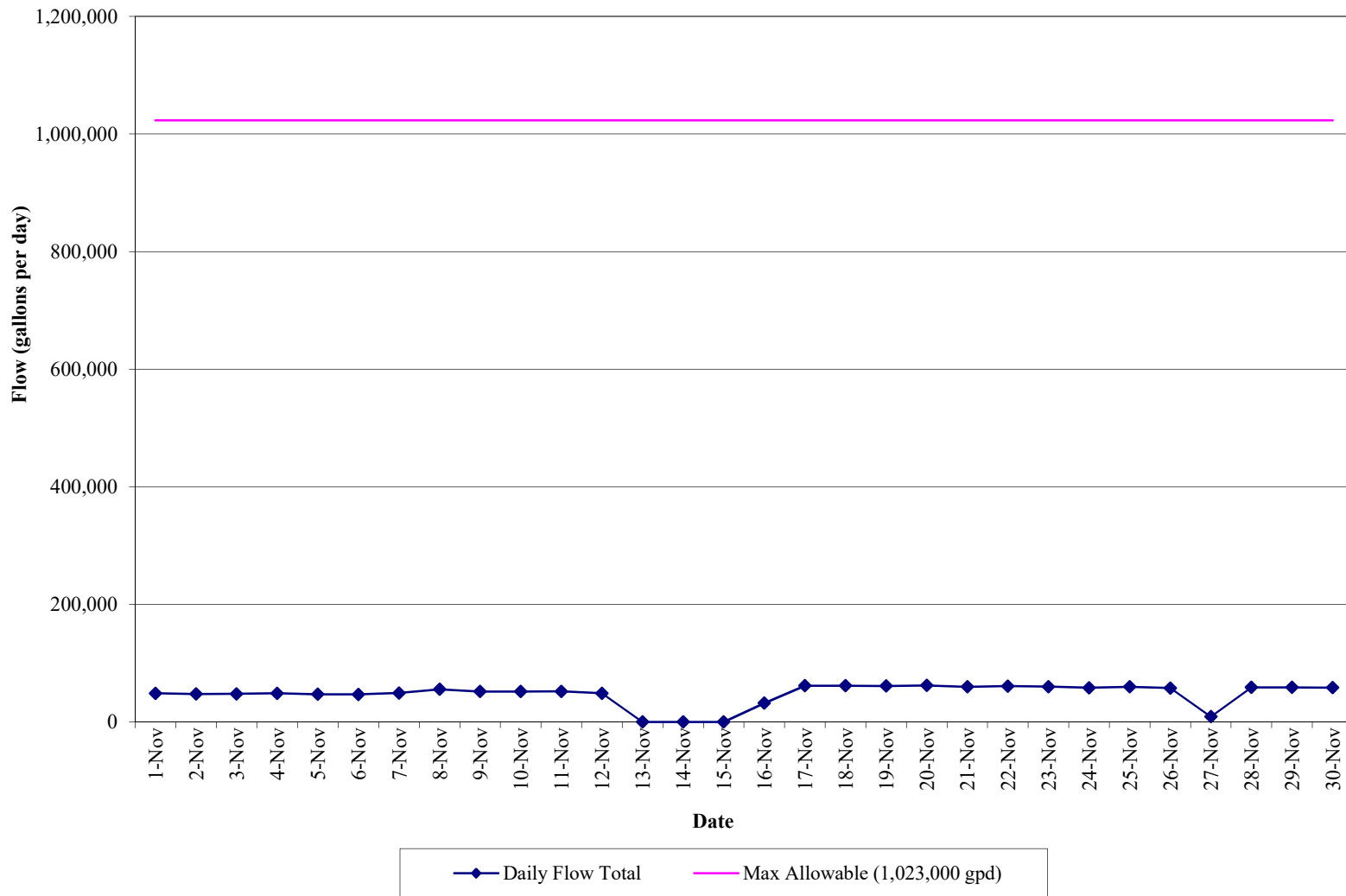
trans-1,2,-DCE: trans-1,2-Dichloroethene

Notes:

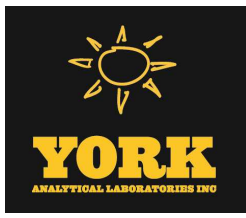
1. Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.
3. Starting in October 2016, FSP&T system samples are collected monthly instead of once every two weeks. The pH of the effluent water is measured two times per month.

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

Effluent Flow Data
(November 1, 2017 to November 30, 2017)



APPENDIX I
NOVEMBER 2017 LABORATORY ANALYTICAL REPORTS
FOR FSP&T SYSTEM



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 11/10/2017

Client Project ID: Rowe Industries

York Project (SDG) No.: 17K0208

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
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Report Date: 11/10/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17K0208

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 03, 2017 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>
17K0208-01	WQ110117:1130 NP2-6	Water	11/01/2017	11/03/2017
17K0211-01	WQ110117:1135 NP2-10	Water	11/01/2017	11/03/2017

General Notes for York Project (SDG) No.: 17K0208

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 11/10/2017





Sample Information

Client Sample ID: WQ110117:1130 NP2-6

York Sample ID: 17K0208-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
17K0208	Rowe Industries	Water	November 1, 2017 11:30 am	11/03/2017

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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:03	LDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:03	LDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:03	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:03	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:03	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:03	LDS



Sample Information

Client Sample ID: WQ110117:1130 NP2-6

York Sample ID: 17K0208-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0208

Rowe Industries

Water

November 1, 2017 11:30 am

11/03/2017

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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:03	LDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:03	LDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:03	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:03	LDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:03	LDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS



Sample Information

Client Sample ID: WQ110117:1130 NP2-6

York Sample ID: 17K0208-01

<u>York Project (SDG) No.</u> 17K0208	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 1, 2017 11:30 am	<u>Date Received</u> 11/03/2017
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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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854	11/08/2017 18:00	11/09/2017 05:03	LDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	11/08/2017 18:00	11/09/2017 05:03	LDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	11/08/2017 18:00	11/09/2017 05:03	LDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
127-18-4	Tetrachloroethylene	0.82		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
79-01-6	Trichloroethylene	0.36	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:03	LDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	125 %	69-130								
2037-26-5	Surrogate: Toluene-d8	91.8 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	95.4 %	79-122								



Sample Information

Client Sample ID: WQ110117:1135 NP2-10

York Sample ID: 17K0211-01

<u>York Project (SDG) No.</u> 17K0211	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 1, 2017 11:35 am	<u>Date Received</u> 11/03/2017
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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-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	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-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 13:38	11/09/2017 03:03	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 13:38	11/09/2017 03:03	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 13:38	11/09/2017 03:03	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 13:38	11/09/2017 03:03	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 13:38	11/09/2017 03:03	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 13:38	11/09/2017 03:03	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS



Sample Information

Client Sample ID: WQ110117:1135 NP2-10

York Sample ID: 17K0211-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0211

Rowe Industries

Water

November 1, 2017 11:35 am

11/03/2017

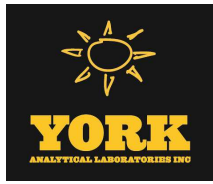
Volatile Organics, 8260 List - Low Level

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-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 13:38	11/09/2017 03:03	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 13:38	11/09/2017 03:03	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 13:38	11/09/2017 03:03	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 13:38	11/09/2017 03:03	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 13:38	11/09/2017 03:03	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 13:38	11/09/2017 03:03	SS



Sample Information

Client Sample ID: WQ110117:1135 NP2-10

York Sample ID: 17K0211-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0211

Rowe Industries

Water

November 1, 2017 11:35 am

11/03/2017

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.661	B	mg/L	0.0222	1	EPA 200.7	11/08/2017 08:31	11/10/2017 14:35	BML
							Certifications:	CTDOH,NELAC-NY10854-CT,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	0.0427		mg/L	0.0222	1	EPA 6010C	11/07/2017 08:46	11/07/2017 21:26	BML
							Certifications:	CTDOH,NELAC-NY10854-CT,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	196		mg/L	10.0	1	SM 2540C	11/08/2017 02:42	11/08/2017 02:42	AA
							Certifications:	NELAC-NY10854-CT,CTDOH,NJDEP,PADEP		



Analytical Batch Summary

Batch ID: BK70349 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17K0211-01	WQ110117:1135 NP2-10	11/07/17
BK70349-BLK1	Blank	11/07/17
BK70349-SRM1	Reference	11/07/17

Batch ID: BK70400 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
17K0211-01	WQ110117:1135 NP2-10	11/08/17
BK70400-BLK1	Blank	11/08/17

Batch ID: BK70422 **Preparation Method:** EPA 200.7 **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17K0211-01	WQ110117:1135 NP2-10	11/08/17
BK70422-BLK1	Blank	11/08/17
BK70422-SRM1	Reference	11/08/17

Batch ID: BK70451 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17K0211-01	WQ110117:1135 NP2-10	11/08/17
BK70451-BLK1	Blank	11/08/17
BK70451-BS1	LCS	11/08/17
BK70451-BSD1	LCS Dup	11/08/17

Batch ID: BK70456 **Preparation Method:** EPA 5030B **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
17K0208-01	WQ110117:1130 NP2-6	11/08/17
BK70456-BLK1	Blank	11/08/17
BK70456-BS1	LCS	11/08/17
BK70456-BSD1	LCS Dup	11/08/17



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 BK70451 - EPA 5030B

Blank (BK70451-BLK1)

Prepared: 11/08/2017 Analyzed: 11/09/2017

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	0.24	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	1.6	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 BK70451 - EPA 5030B

Blank (BK70451-BLK1)

Prepared: 11/08/2017 Analyzed: 11/09/2017

o-Xylene	ND	0.50	ug/L								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: Toluene-d8	9.87		"	10.0		98.7	81-117				
Surrogate: p-Bromofluorobenzene	11.8		"	10.0		118	79-122				

LCS (BK70451-BS1)

Prepared & Analyzed: 11/08/2017

1,1,1,2-Tetrachloroethane	9.22		ug/L	10.0		92.2	82-126				
1,1,1-Trichloroethane	9.94		"	10.0		99.4	78-136				
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	54-165				
1,1,2-Trichloroethane	9.68		"	10.0		96.8	82-123				
1,1-Dichloroethane	9.97		"	10.0		99.7	82-129				
1,1-Dichloroethylene	10.5		"	5.00		210	68-138	High Bias			
1,1-Dichloropropylene	9.96		"	10.0		99.6	83-133				
1,2,3-Trichlorobenzene	6.29		"	10.0		62.9	76-136	Low Bias			
1,2,3-Trichloropropane	10.4		"	10.0		104	77-128				
1,2,4-Trichlorobenzene	6.95		"	10.0		69.5	76-137	Low Bias			
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132				
1,2-Dibromo-3-chloropropane	9.33		"	10.0		93.3	45-147				
1,2-Dibromoethane	9.87		"	10.0		98.7	83-124				
1,2-Dichlorobenzene	9.72		"	10.0		97.2	79-123				
1,2-Dichloroethane	9.95		"	10.0		99.5	73-132				
1,2-Dichloropropane	10.1		"	10.0		101	78-126				
1,3,5-Trimethylbenzene	10.9		"	10.0		109	80-131				
1,3-Dichlorobenzene	9.41		"	10.0		94.1	86-122				
1,3-Dichloropropane	10.1		"	10.0		101	81-125				
1,4-Dichlorobenzene	9.89		"	10.0		98.9	85-124				
2,2-Dichloropropane	9.97		"	10.0		99.7	56-150				
2-Chlorotoluene	10.5		"	10.0		105	79-130				
2-Hexanone	10.4		"	10.0		104	51-146				
4-Chlorotoluene	10.9		"	10.0		109	79-128				
Acetone	9.34		"	10.0		93.4	14-150				
Benzene	9.70		"	10.0		97.0	85-126				
Bromobenzene	10.8		"	10.0		108	78-129				
Bromochloromethane	10.6		"	10.0		106	77-128				
Bromodichloromethane	9.65		"	10.0		96.5	79-128				
Bromoform	8.82		"	10.0		88.2	78-133				
Bromomethane	5.24		"	10.0		52.4	43-168				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK70451 - EPA 5030B

LCS (BK70451-BS1)

Prepared & Analyzed: 11/08/2017

Carbon tetrachloride	9.75		ug/L	10.0		97.5	77-141				
Chlorobenzene	9.69		"	10.0		96.9	88-120				
Chloroethane	9.25		"	10.0		92.5	65-136				
Chloroform	9.78		"	10.0		97.8	82-128				
Chloromethane	9.22		"	10.0		92.2	43-155				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	83-129				
cis-1,3-Dichloropropylene	9.81		"	10.0		98.1	80-131				
Dibromochloromethane	9.35		"	10.0		93.5	80-130				
Dibromomethane	9.66		"	10.0		96.6	72-134				
Dichlorodifluoromethane	9.63		"	10.0		96.3	44-144				
Ethyl Benzene	9.70		"	10.0		97.0	80-131				
Hexachlorobutadiene	5.68		"	10.0		56.8	67-146	Low Bias			
Isopropylbenzene	11.2		"	10.0		112	76-140				
Methyl tert-butyl ether (MTBE)	9.79		"	10.0		97.9	76-135				
Methylene chloride	10.6		"	10.0		106	55-137				
Naphthalene	7.57		"	10.0		75.7	70-147				
n-Butylbenzene	10.5		"	10.0		105	79-132				
n-Propylbenzene	11.1		"	10.0		111	78-133				
o-Xylene	9.61		"	10.0		96.1	78-130				
p- & m- Xylenes	19.8		"	20.0		99.2	77-133				
p-Isopropyltoluene	10.4		"	10.0		104	81-136				
sec-Butylbenzene	11.0		"	10.0		110	79-137				
Styrene	9.27		"	10.0		92.7	67-132				
tert-Butylbenzene	11.0		"	10.0		110	77-138				
Tetrachloroethylene	8.39		"	10.0		83.9	82-131				
Toluene	9.61		"	10.0		96.1	80-127				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132				
trans-1,3-Dichloropropylene	9.80		"	10.0		98.0	78-131				
Trichloroethylene	9.80		"	10.0		98.0	82-128				
Trichlorofluoromethane	9.06		"	10.0		90.6	67-139				
Vinyl Chloride	9.63		"	10.0		96.3	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.1		"	10.0		101	69-130				
Surrogate: Toluene-d8	9.86		"	10.0		98.6	81-117				
Surrogate: p-Bromofluorobenzene	11.4		"	10.0		114	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 BK70451 - EPA 5030B										
LCS Dup (BK70451-BSD1)										
Prepared: 11/08/2017 Analyzed: 11/09/2017										
1,1,1,2-Tetrachloroethane	9.35		ug/L	10.0	93.5	82-126			1.40	30
1,1,1-Trichloroethane	9.99		"	10.0	99.9	78-136			0.502	30
1,1,2,2-Tetrachloroethane	10.8		"	10.0	108	76-129			2.05	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0	102	54-165			0.393	30
1,1,2-Trichloroethane	10.0		"	10.0	100	82-123			3.45	30
1,1-Dichloroethane	10.0		"	10.0	100	82-129			0.600	30
1,1-Dichloroethylene	10.6		"	5.00	212	68-138	High Bias		0.758	30
1,1-Dichloropropylene	9.89		"	10.0	98.9	83-133			0.705	30
1,2,3-Trichlorobenzene	6.51		"	10.0	65.1	76-136	Low Bias		3.44	30
1,2,3-Trichloropropane	10.4		"	10.0	104	77-128			0.481	30
1,2,4-Trichlorobenzene	7.20		"	10.0	72.0	76-137	Low Bias		3.53	30
1,2,4-Trimethylbenzene	10.6		"	10.0	106	82-132			1.90	30
1,2-Dibromo-3-chloropropane	9.56		"	10.0	95.6	45-147			2.44	30
1,2-Dibromoethane	10.1		"	10.0	101	83-124			2.30	30
1,2-Dichlorobenzene	10.0		"	10.0	100	79-123			2.84	30
1,2-Dichloroethane	10.1		"	10.0	101	73-132			1.79	30
1,2-Dichloropropane	10.2		"	10.0	102	78-126			0.981	30
1,3,5-Trimethylbenzene	11.0		"	10.0	110	80-131			1.18	30
1,3-Dichlorobenzene	9.65		"	10.0	96.5	86-122			2.52	30
1,3-Dichloropropane	10.4		"	10.0	104	81-125			2.44	30
1,4-Dichlorobenzene	10.2		"	10.0	102	85-124			3.28	30
2,2-Dichloropropane	9.84		"	10.0	98.4	56-150			1.31	30
2-Chlorotoluene	10.6		"	10.0	106	79-130			0.569	30
2-Hexanone	10.7		"	10.0	107	51-146			3.60	30
4-Chlorotoluene	11.0		"	10.0	110	79-128			0.915	30
Acetone	10.2		"	10.0	102	14-150			8.41	30
Benzene	9.82		"	10.0	98.2	85-126			1.23	30
Bromobenzene	11.0		"	10.0	110	78-129			2.21	30
Bromochloromethane	11.0		"	10.0	110	77-128			3.06	30
Bromodichloromethane	9.87		"	10.0	98.7	79-128			2.25	30
Bromoform	9.12		"	10.0	91.2	78-133			3.34	30
Bromomethane	5.69		"	10.0	56.9	43-168			8.23	30
Carbon tetrachloride	9.73		"	10.0	97.3	77-141			0.205	30
Chlorobenzene	9.87		"	10.0	98.7	88-120			1.84	30
Chloroethane	9.38		"	10.0	93.8	65-136			1.40	30
Chloroform	9.95		"	10.0	99.5	82-128			1.72	30
Chloromethane	9.53		"	10.0	95.3	43-155			3.31	30
cis-1,2-Dichloroethylene	10.2		"	10.0	102	83-129			1.18	30
cis-1,3-Dichloropropylene	10.0		"	10.0	100	80-131			2.32	30
Dibromochloromethane	9.62		"	10.0	96.2	80-130			2.85	30
Dibromomethane	9.93		"	10.0	99.3	72-134			2.76	30
Dichlorodifluoromethane	9.70		"	10.0	97.0	44-144			0.724	30
Ethyl Benzene	9.76		"	10.0	97.6	80-131			0.617	30
Hexachlorobutadiene	5.94		"	10.0	59.4	67-146	Low Bias		4.48	30
Isopropylbenzene	11.3		"	10.0	113	76-140			0.534	30
Methyl tert-butyl ether (MTBE)	10.1		"	10.0	101	76-135			2.82	30
Methylene chloride	10.7		"	10.0	107	55-137			1.60	30
Naphthalene	7.84		"	10.0	78.4	70-147			3.50	30
n-Butylbenzene	10.6		"	10.0	106	79-132			0.948	30
n-Propylbenzene	11.2		"	10.0	112	78-133			0.359	30
o-Xylene	9.76		"	10.0	97.6	78-130			1.55	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK70451 - EPA 5030B

LCS Dup (BK70451-BSD1)

Prepared: 11/08/2017 Analyzed: 11/09/2017

p- & m- Xylenes	20.0		ug/L	20.0		99.8	77-133		0.603	30
p-Isopropyltoluene	10.5		"	10.0		105	81-136		1.34	30
sec-Butylbenzene	11.1		"	10.0		111	79-137		1.54	30
Styrene	9.44		"	10.0		94.4	67-132		1.82	30
tert-Butylbenzene	11.1		"	10.0		111	77-138		0.903	30
Tetrachloroethylene	8.46		"	10.0		84.6	82-131		0.831	30
Toluene	9.73		"	10.0		97.3	80-127		1.24	30
trans-1,2-Dichloroethylene	10.3		"	10.0		103	80-132		1.17	30
trans-1,3-Dichloropropylene	10.0		"	10.0		100	78-131		2.22	30
Trichloroethylene	9.88		"	10.0		98.8	82-128		0.813	30
Trichlorofluoromethane	9.12		"	10.0		91.2	67-139		0.660	30
Vinyl Chloride	9.71		"	10.0		97.1	58-145		0.827	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>69-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.89</i>		<i>"</i>	<i>10.0</i>		<i>98.9</i>	<i>81-117</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>11.4</i>		<i>"</i>	<i>10.0</i>		<i>114</i>	<i>79-122</i>			

Batch BK70456 - EPA 5030B

Blank (BK70456-BLK1)

Prepared: 11/08/2017 Analyzed: 11/09/2017

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



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

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

Batch BK70456 - EPA 5030B

Blank (BK70456-BLK1)

Prepared: 11/08/2017 Analyzed: 11/09/2017

Carbon tetrachloride	ND	0.50	ug/L									
Chlorobenzene	ND	0.50	"									
Chloroethane	ND	0.50	"									
Chloroform	ND	0.50	"									
Chloromethane	ND	0.50	"									
cis-1,2-Dichloroethylene	ND	0.50	"									
cis-1,3-Dichloropropylene	ND	0.50	"									
Dibromochloromethane	ND	0.50	"									
Dibromomethane	ND	0.50	"									
Dichlorodifluoromethane	ND	0.50	"									
Ethyl Benzene	ND	0.50	"									
Hexachlorobutadiene	ND	0.50	"									
Isopropylbenzene	ND	0.50	"									
Methyl tert-butyl ether (MTBE)	ND	0.50	"									
Methylene chloride	ND	2.0	"									
Naphthalene	ND	2.0	"									
n-Butylbenzene	ND	0.50	"									
n-Propylbenzene	ND	0.50	"									
o-Xylene	ND	0.50	"									
p- & m- Xylenes	ND	1.0	"									
p-Isopropyltoluene	ND	0.50	"									
sec-Butylbenzene	ND	0.50	"									
Styrene	ND	0.50	"									
tert-Butylbenzene	ND	0.50	"									
Tetrachloroethylene	ND	0.50	"									
Toluene	ND	0.50	"									
trans-1,2-Dichloroethylene	ND	0.50	"									
trans-1,3-Dichloropropylene	ND	0.50	"									
Trichloroethylene	ND	0.50	"									
Trichlorofluoromethane	ND	0.50	"									
Vinyl Chloride	ND	0.50	"									
Xylenes, Total	ND	1.5	"									
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Surrogate: 1,2-Dichloroethane-d4	12.5		"	10.0		125	69-130					
Surrogate: Toluene-d8	9.31		"	10.0		93.1	81-117					
Surrogate: p-Bromofluorobenzene	9.36		"	10.0		93.6	79-122					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK70456 - EPA 5030B

LCS (BK70456-BS1)

Prepared: 11/08/2017 Analyzed: 11/09/2017

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	Limits	Flag	RPD	Limit	Flag
1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82-126				
1,1,1-Trichloroethane	12.0		"	10.0		120	78-136				
1,1,2,2-Tetrachloroethane	8.25		"	10.0		82.5	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.79		"	10.0		97.9	54-165				
1,1,2-Trichloroethane	9.49		"	10.0		94.9	82-123				
1,1-Dichloroethane	9.66		"	10.0		96.6	82-129				
1,1-Dichloroethylene	9.32		"	10.0		93.2	68-138				
1,1-Dichloropropylene	9.68		"	10.0		96.8	83-133				
1,2,3-Trichlorobenzene	10.1		"	10.0		101	76-136				
1,2,3-Trichloropropane	10.2		"	10.0		102	77-128				
1,2,4-Trichlorobenzene	9.94		"	10.0		99.4	76-137				
1,2,4-Trimethylbenzene	9.99		"	10.0		99.9	82-132				
1,2-Dibromo-3-chloropropane	8.91		"	10.0		89.1	45-147				
1,2-Dibromoethane	9.91		"	10.0		99.1	83-124				
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123				
1,2-Dichloroethane	11.7		"	10.0		117	73-132				
1,2-Dichloropropane	8.08		"	10.0		80.8	78-126				
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131				
1,3-Dichlorobenzene	10.3		"	10.0		103	86-122				
1,3-Dichloropropane	9.07		"	10.0		90.7	81-125				
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124				
2,2-Dichloropropane	9.68		"	10.0		96.8	56-150				
2-Chlorotoluene	9.75		"	10.0		97.5	79-130				
2-Hexanone	8.04		"	10.0		80.4	51-146				
4-Chlorotoluene	9.70		"	10.0		97.0	79-128				
Acetone	7.52		"	10.0		75.2	14-150				
Benzene	9.57		"	10.0		95.7	85-126				
Bromobenzene	8.88		"	10.0		88.8	78-129				
Bromochloromethane	9.03		"	10.0		90.3	77-128				
Bromodichloromethane	10.1		"	10.0		101	79-128				
Bromoform	11.6		"	10.0		116	78-133				
Bromomethane	9.47		"	10.0		94.7	43-168				
Carbon tetrachloride	12.0		"	10.0		120	77-141				
Chlorobenzene	10.1		"	10.0		101	88-120				
Chloroethane	8.22		"	10.0		82.2	65-136				
Chloroform	11.0		"	10.0		110	82-128				
Chloromethane	6.65		"	10.0		66.5	43-155				
cis-1,2-Dichloroethylene	9.59		"	10.0		95.9	83-129				
cis-1,3-Dichloropropylene	9.08		"	10.0		90.8	80-131				
Dibromochloromethane	10.8		"	10.0		108	80-130				
Dibromomethane	9.31		"	10.0		93.1	72-134				
Dichlorodifluoromethane	7.70		"	10.0		77.0	44-144				
Ethyl Benzene	10.1		"	10.0		101	80-131				
Hexachlorobutadiene	16.8		"	10.0		168	67-146	High Bias			
Isopropylbenzene	9.99		"	10.0		99.9	76-140				
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	76-135				
Methylene chloride	8.67		"	10.0		86.7	55-137				
Naphthalene	7.78		"	10.0		77.8	70-147				
n-Butylbenzene	10.0		"	10.0		100	79-132				
n-Propylbenzene	9.68		"	10.0		96.8	78-133				
o-Xylene	10.3		"	10.0		103	78-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK70456 - EPA 5030B

LCS (BK70456-BS1)

Prepared: 11/08/2017 Analyzed: 11/09/2017

p- & m- Xylenes	20.7		ug/L	20.0		104	77-133				
p-Isopropyltoluene	10.4		"	10.0		104	81-136				
sec-Butylbenzene	9.85		"	10.0		98.5	79-137				
Styrene	10.2		"	10.0		102	67-132				
tert-Butylbenzene	10.3		"	10.0		103	77-138				
Tetrachloroethylene	10.7		"	10.0		107	82-131				
Toluene	9.22		"	10.0		92.2	80-127				
trans-1,2-Dichloroethylene	9.26		"	10.0		92.6	80-132				
trans-1,3-Dichloropropylene	9.72		"	10.0		97.2	78-131				
Trichloroethylene	9.09		"	10.0		90.9	82-128				
Trichlorofluoromethane	11.1		"	10.0		111	67-139				
Vinyl Chloride	7.48		"	10.0		74.8	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>12.6</i>		<i>"</i>	<i>10.0</i>		<i>126</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.31</i>		<i>"</i>	<i>10.0</i>		<i>93.1</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.36</i>		<i>"</i>	<i>10.0</i>		<i>93.6</i>	<i>79-122</i>				

LCS Dup (BK70456-BS1)

Prepared: 11/08/2017 Analyzed: 11/09/2017

1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82-126		0.730	30
1,1,1-Trichloroethane	11.6		"	10.0		116	78-136		3.06	30
1,1,2,2-Tetrachloroethane	8.22		"	10.0		82.2	76-129		0.364	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.38		"	10.0		93.8	54-165		4.28	30
1,1,2-Trichloroethane	9.48		"	10.0		94.8	82-123		0.105	30
1,1-Dichloroethane	9.27		"	10.0		92.7	82-129		4.12	30
1,1-Dichloroethylene	9.01		"	10.0		90.1	68-138		3.38	30
1,1-Dichloropropylene	9.34		"	10.0		93.4	83-133		3.58	30
1,2,3-Trichlorobenzene	9.93		"	10.0		99.3	76-136		1.80	30
1,2,3-Trichloropropane	9.80		"	10.0		98.0	77-128		3.80	30
1,2,4-Trichlorobenzene	9.82		"	10.0		98.2	76-137		1.21	30
1,2,4-Trimethylbenzene	9.72		"	10.0		97.2	82-132		2.74	30
1,2-Dibromo-3-chloropropane	8.95		"	10.0		89.5	45-147		0.448	30
1,2-Dibromoethane	9.68		"	10.0		96.8	83-124		2.35	30
1,2-Dichlorobenzene	9.89		"	10.0		98.9	79-123		1.51	30
1,2-Dichloroethane	12.0		"	10.0		120	73-132		2.03	30
1,2-Dichloropropane	7.94		"	10.0		79.4	78-126		1.75	30
1,3,5-Trimethylbenzene	9.82		"	10.0		98.2	80-131		3.11	30
1,3-Dichlorobenzene	9.93		"	10.0		99.3	86-122		3.27	30
1,3-Dichloropropane	9.21		"	10.0		92.1	81-125		1.53	30
1,4-Dichlorobenzene	9.88		"	10.0		98.8	85-124		2.60	30
2,2-Dichloropropane	9.36		"	10.0		93.6	56-150		3.36	30
2-Chlorotoluene	9.38		"	10.0		93.8	79-130		3.87	30
2-Hexanone	8.14		"	10.0		81.4	51-146		1.24	30
4-Chlorotoluene	9.40		"	10.0		94.0	79-128		3.14	30
Acetone	7.53		"	10.0		75.3	14-150		0.133	30
Benzene	9.29		"	10.0		92.9	85-126		2.97	30
Bromobenzene	8.74		"	10.0		87.4	78-129		1.59	30
Bromochloromethane	8.87		"	10.0		88.7	77-128		1.79	30
Bromodichloromethane	9.93		"	10.0		99.3	79-128		1.60	30
Bromoform	12.1		"	10.0		121	78-133		4.14	30
Bromomethane	9.58		"	10.0		95.8	43-168		1.15	30
Carbon tetrachloride	11.7		"	10.0		117	77-141		3.29	30
Chlorobenzene	9.90		"	10.0		99.0	88-120		1.80	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

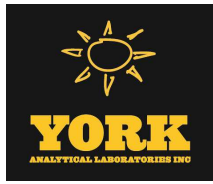
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK70456 - EPA 5030B

LCS Dup (BK70456-BSD1)

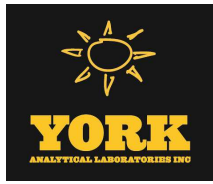
Prepared: 11/08/2017 Analyzed: 11/09/2017

Chloroethane	8.04		ug/L	10.0		80.4	65-136		2.21	30	
Chloroform	10.7		"	10.0		107	82-128		2.95	30	
Chloromethane	6.34		"	10.0		63.4	43-155		4.77	30	
cis-1,2-Dichloroethylene	9.41		"	10.0		94.1	83-129		1.89	30	
cis-1,3-Dichloropropylene	9.07		"	10.0		90.7	80-131		0.110	30	
Dibromochloromethane	10.8		"	10.0		108	80-130		0.184	30	
Dibromomethane	9.54		"	10.0		95.4	72-134		2.44	30	
Dichlorodifluoromethane	7.29		"	10.0		72.9	44-144		5.47	30	
Ethyl Benzene	9.90		"	10.0		99.0	80-131		2.20	30	
Hexachlorobutadiene	15.9		"	10.0		159	67-146	High Bias	5.82	30	
Isopropylbenzene	9.68		"	10.0		96.8	76-140		3.15	30	
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	76-135		1.63	30	
Methylene chloride	8.54		"	10.0		85.4	55-137		1.51	30	
Naphthalene	7.74		"	10.0		77.4	70-147		0.515	30	
n-Butylbenzene	9.67		"	10.0		96.7	79-132		3.56	30	
n-Propylbenzene	9.30		"	10.0		93.0	78-133		4.00	30	
o-Xylene	10.1		"	10.0		101	78-130		2.25	30	
p- & m- Xylenes	20.3		"	20.0		102	77-133		1.90	30	
p-Isopropyltoluene	10.1		"	10.0		101	81-136		2.83	30	
sec-Butylbenzene	9.49		"	10.0		94.9	79-137		3.72	30	
Styrene	10.1		"	10.0		101	67-132		1.08	30	
tert-Butylbenzene	9.97		"	10.0		99.7	77-138		3.06	30	
Tetrachloroethylene	10.5		"	10.0		105	82-131		1.32	30	
Toluene	9.07		"	10.0		90.7	80-127		1.64	30	
trans-1,2-Dichloroethylene	8.87		"	10.0		88.7	80-132		4.30	30	
trans-1,3-Dichloropropylene	9.68		"	10.0		96.8	78-131		0.412	30	
Trichloroethylene	9.00		"	10.0		90.0	82-128		0.995	30	
Trichlorofluoromethane	10.8		"	10.0		108	67-139		2.92	30	
Vinyl Chloride	7.29		"	10.0		72.9	58-145		2.57	30	
Surrogate: 1,2-Dichloroethane-d4	12.5		"	10.0		125	69-130				
Surrogate: Toluene-d8	9.32		"	10.0		93.2	81-117				
Surrogate: p-Bromofluorobenzene	9.23		"	10.0		92.3	79-122				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK70349 - EPA 3015A											
Blank (BK70349-BLK1)											Prepared & Analyzed: 11/07/2017
Iron - Dissolved	ND	0.0222	mg/L								
Reference (BK70349-SRM1)											Prepared & Analyzed: 11/07/2017
Iron - Dissolved	1.41		ug/mL	1.40		101	84.9-115				
Batch BK70422 - EPA 200.7											
Blank (BK70422-BLK1)											Prepared & Analyzed: 11/08/2017
Iron	0.0870	0.0222	mg/L								
Reference (BK70422-SRM1)											Prepared & Analyzed: 11/08/2017
Iron	1.63		ug/mL	1.40		117	84.9-115	High Bias			



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

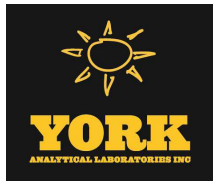
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK70400 - % Solids Prep

Blank (BK70400-BLK1)

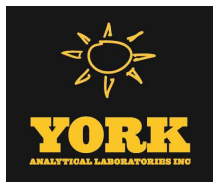
Prepared & Analyzed: 11/08/2017

Total Dissolved Solids	ND	10.0	mg/L								
------------------------	----	------	------	--	--	--	--	--	--	--	--



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17K0208-01	WQ110117:1130 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0211-01	WQ110117:1135 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.
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

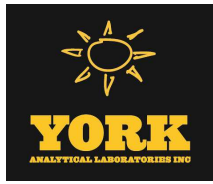
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration 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

ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

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.

Page 1 of 1
York Project No. 17K0208

YOUR INFORMATION

Company: LBG
Address: 4 Research Dr. Suite 301
Shelton, CT 06484
Phone No: 263-929-8555
Contact Person: Tunde Sandoz
E-Mail Address: TSandoz@lbgi.com

Report To:

Company: Same
Address: _____
Phone No: _____
Attention: _____
E-Mail Address: _____

Invoice To:

Company: Same
Address: _____
Phone No: _____
Attention: _____
E-Mail Address: _____

YOUR PROJECT ID

Project Name: Realt. Industries.
Purchase Order No.: NA85A6.

Turn-Around Time

RUSH - Same Day
RUSH - Next Day
RUSH - Two Day
RUSH - Three Day
RUSH - Four Day
Standard (5-7 Days)

Report Type

Summary Report X pdf
Summary w/ QA Summary X pdf
CT RCP Package
CTRCP DQA/DUE Pkg
NY ASP A Package
NY ASP B Package NEED TO CALL
NIDEP Red. Deliv.

Electronic Data Deliverables (EDD)

Simple Excel
NY SDEC EQUIS
EQUIS (std)
EZ-EDD (EQUIS)
NIDEP SRP I Haz Site EDD
GIS/KEY (std)
Other: _____
York Regulatory Comparison
Excel Spreadsheets
Compare to the following (e.g., please fill in):

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 fill
624
STARS list
BTEX
MTBE
TCL list
TAGM list
CT RCP list
Aromatics
Halogens
App. IX list
8021B list

Semivolatiles

3270 & 625
STARS list
BN Only
FAH list
TAGM list
CT RCP list
TCL list
NIDEP list
App. IX list
SP/Per/TCLP
8021B list

Metals

RCRA8
FP13 list
TAL
CT 15 list
TAGM list
NIDEP list
Total
Dissolved
SP/Per/TCLP
Inorganic
LIST Below

Full Lists

PHL
TCL Opats
TAL
Full TCLP
Full App IX
Part 301
Part 302
Part 303
NY SDEC
TAGM

Misc.

Ceremony
Reactivity
Ignitability
Flash Point
Stev. Anal.
Heterocycle
TOX
BTX
Aromatic
NY SDEC
Asbestos
Silica

Other

York Regulatory Comparison
Excel Spreadsheets
Compare to the following (e.g., please fill in):

Choose Analyses Needed from the Menu Above and Enter Below

2200 list (EPA SWP45-8260B) plus from 113
Fe by EPA 800-717, dissolved by EPA 6010 (SWP45-8000) / VOCs
2200 list (EPA SWP45-8260B) plus from 113 / TOX (SH 25-406)

Sample Matrix

GW
GW

Date Sampled

11-1-17
11-1-17

Sample Identification

WB110117-1130 NPA-6
WB110117-1135 NPA-10

Comments

Preservation: _____
Special Instructions: _____
Field Filtered
Lab to Filter

Temperature on Receipt: 24 °C

(sys.lem)

Reid H 11/3/17 14:40

Samples Relinquished By: _____ Date/Time: _____
Samples Relinquished By: _____ Date/Time: _____

Samples Received By: LBG Date/Time: 11/17 8:00
Samples Received By: Reid H Date/Time: 11/3/17 17:25

Samples Received In: LAB by: _____ Date/Time: _____

YORK

ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

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.

Page 1 of 1

York Project No. 17K0211

YOUR INFORMATION		Report To:		Invoice To:		YOUR PROJECT ID		Turn-Around Time		Report Type	
Company: <u>LBG</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Reps Industries</u>	Volatiles	Semi-Volatiles	Metals	Misc. Org.	PH-Poll.	Full Lists	Misc.	Summary Report <input checked="" type="checkbox"/>
Address: <u>4 Research Dr. Suite 301</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Reps Industries</u>	TICs	8270 or 625	RCRA8	TPH GRO	TCL Ognats	Reactivity	Cermsivity	Summary w/ QA Summary <input checked="" type="checkbox"/>
Phone No. <u>203-849-8555</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Site Spec	808 IPest	FP13 list	TPH DRO	TAL MedCN	Ignitability	Flash Point	CT RCP Package <input type="checkbox"/>
Contact Person: <u>Jande Sandoz</u>	Attention: <u>Same</u>	Attention: <u>Same</u>	Attention: <u>Same</u>	Nassau Co.	BN Only	TAL	CT ETPH	Full TCLP	Flash Point	Sieve Anal.	CTRCP DQADUE Pkg <input type="checkbox"/>
E-Mail Address: <u>JSandoz@LBGT.com</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	Suffolk Co.	Acids Only	CT RCP	NY 310-13	Full App. IX	Sieve Anal.	Pat. 300-1000s	NY ASP A Package <input type="checkbox"/>
<p>Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.</p>											
<p>Samples Collected/Authorized By (Signature) <u>[Signature]</u></p> <p>Name (printed) <u>FUAN FOSTER</u></p>											
<p>Choose Analyses Needed from the Menu Above and Enter Below</p>											
Sample Identification	Date Sampled	Sample Matrix	<p><u>8260 List (EPA SWP45-8260b) plus from 113</u></p> <p><u>Fe by EPA 200.7/Fe Dissolved by EPA 6010 (SWP46-6010b) / VCS</u></p> <p><u>8260 List (EPA SWP45-8260a) plus from 113 / TDS (SH 2540c)</u></p>								
<u>WQ110117-1130 NP2-6</u>	<u>11-1-17</u>	<u>GW</u>	<p><u>3 VOA's</u></p>								
<u>WQ110117-1135 NP2-10</u>	<u>11-1-17</u>	<u>GW</u>	<p><u>3 VOA's, 3 plastic</u></p>								
<p>Preservation: <input checked="" type="checkbox"/> 4°C <input checked="" type="checkbox"/> Frozen <input checked="" type="checkbox"/> HCl <input checked="" type="checkbox"/> MeOH <input checked="" type="checkbox"/> H₂O <input checked="" type="checkbox"/> NaOH</p> <p>Check those Applicable: <input type="checkbox"/> Special Instructions <input type="checkbox"/> Field Filtered <input type="checkbox"/> Lab to Filter</p>											
<p>Comments: <u>LBG FUDGE</u></p> <p>Samples Relinquished By: <u>[Signature]</u> Date/Time: <u>11/17/800</u></p> <p>Samples Relinquished By: <u>[Signature]</u> Date/Time: <u>11/3/17 1725</u></p> <p>Samples Relinquished By: <u>[Signature]</u> Date/Time: <u>11/3/17 1725</u></p> <p>Temperature on Receipt: <u>2.4 °C</u></p>											

Rec'd at 11/3/17 14:40

(system)

APPENDIX II
NOVEMBER 2017 LABORATORY ANALYTICAL REPORTS
FOR FSP&T AND FP&T RECOVERY WELLS



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 11/10/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17K0213

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 11/10/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17K0213

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 03, 2017 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>
17K0213-01	WQ110117:1100 FRW-1	Water	11/01/2017	11/03/2017
17K0213-02	WQ110117:1105 FRW-2	Water	11/01/2017	11/03/2017
17K0213-03	WQ110117:1110 FRW-3	Water	11/01/2017	11/03/2017
17K0213-04	WQ110117:1115 FRW-4	Water	11/01/2017	11/03/2017
17K0213-05	WQ110117:1140NP1-1-2	Water	11/01/2017	11/03/2017

General Notes for York Project (SDG) No.: 17K0213

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 11/10/2017





Sample Information

Client Sample ID: WQ110117:1100 FRW-1

York Sample ID: 17K0213-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17K0213	Rowe Industries	Water	November 1, 2017 11:00 am	11/03/2017

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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
71-55-6	1,1,1-Trichloroethane	0.37	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:29	LDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:29	LDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:29	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:29	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:29	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:29	LDS



Sample Information

Client Sample ID: WQ110117:1100 FRW-1

York Sample ID: 17K0213-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0213

Rowe Industries

Water

November 1, 2017 11:00 am

11/03/2017

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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:29	LDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:29	LDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
156-59-2	cis-1,2-Dichloroethylene	1.7		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:29	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:29	LDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:29	LDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS



Sample Information

Client Sample ID: WQ110117:1100 FRW-1

York Sample ID: 17K0213-01

<u>York Project (SDG) No.</u> 17K0213	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 1, 2017 11:00 am	<u>Date Received</u> 11/03/2017
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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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854	11/08/2017 18:00	11/09/2017 05:29	LDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	11/08/2017 18:00	11/09/2017 05:29	LDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	11/08/2017 18:00	11/09/2017 05:29	LDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
127-18-4	Tetrachloroethylene	72		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
79-01-6	Trichloroethylene	1.3		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:29	LDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	129 %	69-130								
2037-26-5	Surrogate: Toluene-d8	91.9 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	94.1 %	79-122								



Sample Information

Client Sample ID: WQ110117:1105 FRW-2

York Sample ID: 17K0213-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0213

Rowe Industries

Water

November 1, 2017 11:05 am

11/03/2017

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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:55	LDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:55	LDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:55	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:55	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:55	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:55	LDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS



Sample Information

Client Sample ID: WQ110117:1105 FRW-2

York Sample ID: 17K0213-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0213

Rowe Industries

Water

November 1, 2017 11:05 am

11/03/2017

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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:55	LDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:55	LDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:55	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:55	LDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:55	LDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS



Sample Information

Client Sample ID: WQ110117:1105 FRW-2

York Sample ID: 17K0213-02

<u>York Project (SDG) No.</u> 17K0213	<u>Client Project ID</u> Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 1, 2017 11:05 am	<u>Date Received</u> 11/03/2017
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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
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:55	LDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:55	LDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 05:55	LDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
127-18-4	Tetrachloroethylene	45		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
79-01-6	Trichloroethylene	0.76		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 05:55	LDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	123 %	69-130
2037-26-5	Surrogate: Toluene-d8	92.2 %	81-117
460-00-4	Surrogate: p-Bromofluorobenzene	92.6 %	79-122



Sample Information

Client Sample ID: WQ110117:1110 FRW-3

York Sample ID: 17K0213-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0213

Rowe Industries

Water

November 1, 2017 11:10 am

11/03/2017

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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:22	LDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:22	LDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:22	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:22	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:22	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:22	LDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS



Sample Information

Client Sample ID: WQ110117:1110 FRW-3

York Sample ID: 17K0213-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0213

Rowe Industries

Water

November 1, 2017 11:10 am

11/03/2017

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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:22	LDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:22	LDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
156-59-2	cis-1,2-Dichloroethylene	3.4		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:22	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:22	LDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:22	LDS
98-82-8	Isopropylbenzene	0.33	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS



Sample Information

Client Sample ID: WQ110117:1110 FRW-3

York Sample ID: 17K0213-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0213

Rowe Industries

Water

November 1, 2017 11:10 am

11/03/2017

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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854	11/08/2017 18:00	11/09/2017 06:22	LDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
103-65-1	n-Propylbenzene	0.30	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	11/08/2017 18:00	11/09/2017 06:22	LDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	11/08/2017 18:00	11/09/2017 06:22	LDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
127-18-4	Tetrachloroethylene	17		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
79-01-6	Trichloroethylene	1.2		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:22	LDS
	Surrogate Recoveries	Result						Acceptance Range			
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	127 %						69-130			
2037-26-5	Surrogate: Toluene-d8	92.7 %						81-117			
460-00-4	Surrogate: p-Bromofluorobenzene	101 %						79-122			



Sample Information

Client Sample ID: WQ110117:1115 FRW-4

York Sample ID: 17K0213-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0213

Rowe Industries

Water

November 1, 2017 11:15 am

11/03/2017

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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:48	LDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:48	LDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:48	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:48	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:48	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:48	LDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS



Sample Information

Client Sample ID: WQ110117:1115 FRW-4

York Sample ID: 17K0213-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0213

Rowe Industries

Water

November 1, 2017 11:15 am

11/03/2017

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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:48	LDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:48	LDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
156-59-2	cis-1,2-Dichloroethylene	0.78		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:48	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:48	LDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:48	LDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS



Sample Information

Client Sample ID: WQ110117:1115 FRW-4

York Sample ID: 17K0213-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0213

Rowe Industries

Water

November 1, 2017 11:15 am

11/03/2017

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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:48	LDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:48	LDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 06:48	LDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
127-18-4	Tetrachloroethylene	3.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
79-01-6	Trichloroethylene	0.32	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 06:48	LDS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	127 %			69-130						
2037-26-5	Surrogate: Toluene-d8	91.8 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	95.4 %			79-122						



Sample Information

Client Sample ID: WQ110117:1140NP1-1-2

York Sample ID: 17K0213-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0213

Rowe Industries

Water

November 1, 2017 11:40 am

11/03/2017

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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 07:14	LDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 07:14	LDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 07:14	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 07:14	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 07:14	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 07:14	LDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS



Sample Information

Client Sample ID: WQ110117:1140NP1-1-2

York Sample ID: 17K0213-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0213

Rowe Industries

Water

November 1, 2017 11:40 am

11/03/2017

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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 07:14	LDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 07:14	LDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 07:14	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 07:14	LDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 07:14	LDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS



Sample Information

Client Sample ID: WQ110117:1140NP1-1-2

York Sample ID: 17K0213-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0213

Rowe Industries

Water

November 1, 2017 11:40 am

11/03/2017

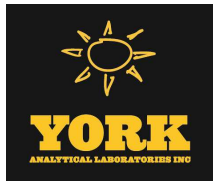
Volatile Organics, 8260 List - Low Level

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-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 07:14	LDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 07:14	LDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854-	11/08/2017 18:00	11/09/2017 07:14	LDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
127-18-4	Tetrachloroethylene	0.31	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
79-01-6	Trichloroethylene	0.39	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/08/2017 18:00	11/09/2017 07:14	LDS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	128 %			69-130						
2037-26-5	Surrogate: Toluene-d8	92.1 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	92.5 %			79-122						



Analytical Batch Summary

Batch ID: BK70456

Preparation Method: EPA 5030B

Prepared By: AS

YORK Sample ID	Client Sample ID	Preparation Date
17K0213-01	WQ110117:1100 FRW-1	11/08/17
17K0213-02	WQ110117:1105 FRW-2	11/08/17
17K0213-03	WQ110117:1110 FRW-3	11/08/17
17K0213-04	WQ110117:1115 FRW-4	11/08/17
17K0213-05	WQ110117:1140NP1-1-2	11/08/17
BK70456-BLK1	Blank	11/08/17
BK70456-BS1	LCS	11/08/17
BK70456-BSD1	LCS Dup	11/08/17



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 BK70456 - EPA 5030B

Blank (BK70456-BLK1)

Prepared: 11/08/2017 Analyzed: 11/09/2017

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

Batch BK70456 - EPA 5030B

Blank (BK70456-BLK1)

Prepared: 11/08/2017 Analyzed: 11/09/2017

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>	<i>12.5</i>		<i>"</i>	<i>10.0</i>		<i>125</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.31</i>		<i>"</i>	<i>10.0</i>		<i>93.1</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.36</i>		<i>"</i>	<i>10.0</i>		<i>93.6</i>	<i>79-122</i>				

LCS (BK70456-BS1)

Prepared: 11/08/2017 Analyzed: 11/09/2017

1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82-126				
1,1,1-Trichloroethane	12.0		"	10.0		120	78-136				
1,1,2,2-Tetrachloroethane	8.25		"	10.0		82.5	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.79		"	10.0		97.9	54-165				
1,1,2-Trichloroethane	9.49		"	10.0		94.9	82-123				
1,1-Dichloroethane	9.66		"	10.0		96.6	82-129				
1,1-Dichloroethylene	9.32		"	10.0		93.2	68-138				
1,1-Dichloropropylene	9.68		"	10.0		96.8	83-133				
1,2,3-Trichlorobenzene	10.1		"	10.0		101	76-136				
1,2,3-Trichloropropane	10.2		"	10.0		102	77-128				
1,2,4-Trichlorobenzene	9.94		"	10.0		99.4	76-137				
1,2,4-Trimethylbenzene	9.99		"	10.0		99.9	82-132				
1,2-Dibromo-3-chloropropane	8.91		"	10.0		89.1	45-147				
1,2-Dibromoethane	9.91		"	10.0		99.1	83-124				
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123				
1,2-Dichloroethane	11.7		"	10.0		117	73-132				
1,2-Dichloropropane	8.08		"	10.0		80.8	78-126				
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131				
1,3-Dichlorobenzene	10.3		"	10.0		103	86-122				
1,3-Dichloropropane	9.07		"	10.0		90.7	81-125				
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124				
2,2-Dichloropropane	9.68		"	10.0		96.8	56-150				
2-Chlorotoluene	9.75		"	10.0		97.5	79-130				
2-Hexanone	8.04		"	10.0		80.4	51-146				
4-Chlorotoluene	9.70		"	10.0		97.0	79-128				
Acetone	7.52		"	10.0		75.2	14-150				
Benzene	9.57		"	10.0		95.7	85-126				
Bromobenzene	8.88		"	10.0		88.8	78-129				
Bromochloromethane	9.03		"	10.0		90.3	77-128				
Bromodichloromethane	10.1		"	10.0		101	79-128				
Bromoform	11.6		"	10.0		116	78-133				
Bromomethane	9.47		"	10.0		94.7	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 BK70456 - EPA 5030B

LCS (BK70456-BS1)

Prepared: 11/08/2017 Analyzed: 11/09/2017

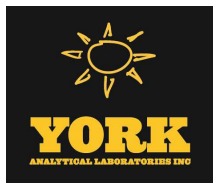
Carbon tetrachloride	12.0		ug/L	10.0		120	77-141				
Chlorobenzene	10.1		"	10.0		101	88-120				
Chloroethane	8.22		"	10.0		82.2	65-136				
Chloroform	11.0		"	10.0		110	82-128				
Chloromethane	6.65		"	10.0		66.5	43-155				
cis-1,2-Dichloroethylene	9.59		"	10.0		95.9	83-129				
cis-1,3-Dichloropropylene	9.08		"	10.0		90.8	80-131				
Dibromochloromethane	10.8		"	10.0		108	80-130				
Dibromomethane	9.31		"	10.0		93.1	72-134				
Dichlorodifluoromethane	7.70		"	10.0		77.0	44-144				
Ethyl Benzene	10.1		"	10.0		101	80-131				
Hexachlorobutadiene	16.8		"	10.0		168	67-146	High Bias			
Isopropylbenzene	9.99		"	10.0		99.9	76-140				
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	76-135				
Methylene chloride	8.67		"	10.0		86.7	55-137				
Naphthalene	7.78		"	10.0		77.8	70-147				
n-Butylbenzene	10.0		"	10.0		100	79-132				
n-Propylbenzene	9.68		"	10.0		96.8	78-133				
o-Xylene	10.3		"	10.0		103	78-130				
p- & m- Xylenes	20.7		"	20.0		104	77-133				
p-Isopropyltoluene	10.4		"	10.0		104	81-136				
sec-Butylbenzene	9.85		"	10.0		98.5	79-137				
Styrene	10.2		"	10.0		102	67-132				
tert-Butylbenzene	10.3		"	10.0		103	77-138				
Tetrachloroethylene	10.7		"	10.0		107	82-131				
Toluene	9.22		"	10.0		92.2	80-127				
trans-1,2-Dichloroethylene	9.26		"	10.0		92.6	80-132				
trans-1,3-Dichloropropylene	9.72		"	10.0		97.2	78-131				
Trichloroethylene	9.09		"	10.0		90.9	82-128				
Trichlorofluoromethane	11.1		"	10.0		111	67-139				
Vinyl Chloride	7.48		"	10.0		74.8	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>12.6</i>		<i>"</i>	<i>10.0</i>		<i>126</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.31</i>		<i>"</i>	<i>10.0</i>		<i>93.1</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.36</i>		<i>"</i>	<i>10.0</i>		<i>93.6</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK70456 - EPA 5030B											
LCS Dup (BK70456-BSD1)											
Prepared: 11/08/2017 Analyzed: 11/09/2017											
1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82-126		0.730	30	
1,1,1-Trichloroethane	11.6		"	10.0		116	78-136		3.06	30	
1,1,2,2-Tetrachloroethane	8.22		"	10.0		82.2	76-129		0.364	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.38		"	10.0		93.8	54-165		4.28	30	
1,1,2-Trichloroethane	9.48		"	10.0		94.8	82-123		0.105	30	
1,1-Dichloroethane	9.27		"	10.0		92.7	82-129		4.12	30	
1,1-Dichloroethylene	9.01		"	10.0		90.1	68-138		3.38	30	
1,1-Dichloropropylene	9.34		"	10.0		93.4	83-133		3.58	30	
1,2,3-Trichlorobenzene	9.93		"	10.0		99.3	76-136		1.80	30	
1,2,3-Trichloropropane	9.80		"	10.0		98.0	77-128		3.80	30	
1,2,4-Trichlorobenzene	9.82		"	10.0		98.2	76-137		1.21	30	
1,2,4-Trimethylbenzene	9.72		"	10.0		97.2	82-132		2.74	30	
1,2-Dibromo-3-chloropropane	8.95		"	10.0		89.5	45-147		0.448	30	
1,2-Dibromoethane	9.68		"	10.0		96.8	83-124		2.35	30	
1,2-Dichlorobenzene	9.89		"	10.0		98.9	79-123		1.51	30	
1,2-Dichloroethane	12.0		"	10.0		120	73-132		2.03	30	
1,2-Dichloropropane	7.94		"	10.0		79.4	78-126		1.75	30	
1,3,5-Trimethylbenzene	9.82		"	10.0		98.2	80-131		3.11	30	
1,3-Dichlorobenzene	9.93		"	10.0		99.3	86-122		3.27	30	
1,3-Dichloropropane	9.21		"	10.0		92.1	81-125		1.53	30	
1,4-Dichlorobenzene	9.88		"	10.0		98.8	85-124		2.60	30	
2,2-Dichloropropane	9.36		"	10.0		93.6	56-150		3.36	30	
2-Chlorotoluene	9.38		"	10.0		93.8	79-130		3.87	30	
2-Hexanone	8.14		"	10.0		81.4	51-146		1.24	30	
4-Chlorotoluene	9.40		"	10.0		94.0	79-128		3.14	30	
Acetone	7.53		"	10.0		75.3	14-150		0.133	30	
Benzene	9.29		"	10.0		92.9	85-126		2.97	30	
Bromobenzene	8.74		"	10.0		87.4	78-129		1.59	30	
Bromochloromethane	8.87		"	10.0		88.7	77-128		1.79	30	
Bromodichloromethane	9.93		"	10.0		99.3	79-128		1.60	30	
Bromoform	12.1		"	10.0		121	78-133		4.14	30	
Bromomethane	9.58		"	10.0		95.8	43-168		1.15	30	
Carbon tetrachloride	11.7		"	10.0		117	77-141		3.29	30	
Chlorobenzene	9.90		"	10.0		99.0	88-120		1.80	30	
Chloroethane	8.04		"	10.0		80.4	65-136		2.21	30	
Chloroform	10.7		"	10.0		107	82-128		2.95	30	
Chloromethane	6.34		"	10.0		63.4	43-155		4.77	30	
cis-1,2-Dichloroethylene	9.41		"	10.0		94.1	83-129		1.89	30	
cis-1,3-Dichloropropylene	9.07		"	10.0		90.7	80-131		0.110	30	
Dibromochloromethane	10.8		"	10.0		108	80-130		0.184	30	
Dibromomethane	9.54		"	10.0		95.4	72-134		2.44	30	
Dichlorodifluoromethane	7.29		"	10.0		72.9	44-144		5.47	30	
Ethyl Benzene	9.90		"	10.0		99.0	80-131		2.20	30	
Hexachlorobutadiene	15.9		"	10.0		159	67-146	High Bias	5.82	30	
Isopropylbenzene	9.68		"	10.0		96.8	76-140		3.15	30	
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	76-135		1.63	30	
Methylene chloride	8.54		"	10.0		85.4	55-137		1.51	30	
Naphthalene	7.74		"	10.0		77.4	70-147		0.515	30	
n-Butylbenzene	9.67		"	10.0		96.7	79-132		3.56	30	
n-Propylbenzene	9.30		"	10.0		93.0	78-133		4.00	30	
o-Xylene	10.1		"	10.0		101	78-130		2.25	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

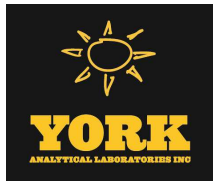
Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD	Flag
		Limit			Result					Limit	

Batch BK70456 - EPA 5030B

LCS Dup (BK70456-BSD1)

Prepared: 11/08/2017 Analyzed: 11/09/2017

p- & m- Xylenes	20.3		ug/L	20.0		102	77-133		1.90	30	
p-Isopropyltoluene	10.1		"	10.0		101	81-136		2.83	30	
sec-Butylbenzene	9.49		"	10.0		94.9	79-137		3.72	30	
Styrene	10.1		"	10.0		101	67-132		1.08	30	
tert-Butylbenzene	9.97		"	10.0		99.7	77-138		3.06	30	
Tetrachloroethylene	10.5		"	10.0		105	82-131		1.32	30	
Toluene	9.07		"	10.0		90.7	80-127		1.64	30	
trans-1,2-Dichloroethylene	8.87		"	10.0		88.7	80-132		4.30	30	
trans-1,3-Dichloropropylene	9.68		"	10.0		96.8	78-131		0.412	30	
Trichloroethylene	9.00		"	10.0		90.0	82-128		0.995	30	
Trichlorofluoromethane	10.8		"	10.0		108	67-139		2.92	30	
Vinyl Chloride	7.29		"	10.0		72.9	58-145		2.57	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>12.5</i>		<i>"</i>	<i>10.0</i>		<i>125</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.32</i>		<i>"</i>	<i>10.0</i>		<i>93.2</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.23</i>		<i>"</i>	<i>10.0</i>		<i>92.3</i>	<i>79-122</i>				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17K0213-01	WQ110117:1100 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0213-02	WQ110117:1105 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0213-03	WQ110117:1110 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0213-04	WQ110117:1115 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0213-05	WQ110117:1140NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

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

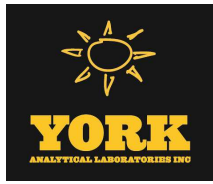
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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



YORK

ANALYTICAL LABORATORIES, INC.
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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.

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York Project No. 17K0213

YOUR Information Company: <u>LB6</u> Address: <u>4 Research Dr. Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-829-8555</u> Contact Person: <u>Tunde Sandoz</u> E-Mail Address: <u>TSandoz@LB6CT.com</u>		Report To: <u>Same</u> Company: _____ Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: <u>Same</u> Company: <u>Rowe Industries</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR Project ID Metals: _____ Purchase Order No. <u>MA65A6</u>		Turn-Around Time 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 type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		Report Type Summary Report <input checked="" type="checkbox"/> Summary w/ QA Summary <input checked="" type="checkbox"/> CT RCP Package <input type="checkbox"/> CTRCP DQA/DUE Pkg <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package <input checked="" type="checkbox"/> NJDEP Red. Deliv. <input type="checkbox"/> Electronic Data Deliverables (EDD) <input type="checkbox"/> Simple Excel <input checked="" type="checkbox"/> NYSDEC EQUIS <input type="checkbox"/> EQUIS (std) <input type="checkbox"/> EZ-EDD (EQUIS) <input type="checkbox"/> NJDEP SRP HazSite EDD <input type="checkbox"/> GIS/KEY (std) <input type="checkbox"/> Other _____ York Regulatory Comparison <input type="checkbox"/> Excel Spreadsheet <input type="checkbox"/> Compare to the following Regs. (please fill in) _____	
Volatiles 8260 full TICs Site Spec. STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list		Semi-Volatiles 8270 or 625 STARS list BN Only PAH list TAGM list CT RCP list TCL list NUDEP list App. IX SFP or TCLP		Metals RCRA8 PP13 list TAL CT15 list TAGM list NJDEP list Air TO14A Air TO15 Air STARS Air VPH Air TCS Methane Helium		Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-15 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TCS Methane Helium		Full Lists Consovery Reactivity Ignitability Flash Point Full App. IX Sieve Anal. Heteroatoms Part 360-Basecat TOX Part 360-Basecat BTU/lt. Part 360-Basecat Aquatic Tox. NYCLP Score TOC NYSDEC Score Asbestos TAGM Silica		Container Description(s) <u>3 UOAs</u>	
Matrix Codes S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		Sample Matrix <u>GW</u>		Choose Analyses Needed from the Menu Above and Enter Below <u>VOC 8260 full list (EPA 51946-82608) plus from 113</u>		Date Sampled <u>11-1-17</u>		Date Sampled <u>11-1-17</u>			
Sample Identification <u>1100 FRW-1</u> <u>1105 FRW-2</u> <u>1110 FRW-3</u> <u>1115 FRW-4</u> <u>1140NPI-2</u>		Sample Matrix <u>GW</u>		Choose Analyses Needed from the Menu Above and Enter Below <u>VOC 8260 full list (EPA 51946-82608) plus from 113</u>		Date Sampled <u>11-1-17</u>		Date Sampled <u>11-1-17</u>			
Comments Preservation <input type="checkbox"/> Check those Applicable: Special Instructions <input type="checkbox"/> Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>		Temperature on Receipt <u>2.7 °C</u>		Temperature on Receipt <u>2.7 °C</u>		Date/Time <u>11/1/17 800</u>		Date/Time <u>11/3/17 1725</u>			

Rec'd at 11/3/17 14:40

(RW & FRW)